

2003 NEWSLETTER

GEOLOGY FOUNDATION 50TH ANNIVERSARY

THE UNIVERSITY OF TEXAS AT AUSTIN
DEPARTMENT OF GEOLOGICAL SCIENCES
GEOLOGY FOUNDATION

JOHN A. AND KATHERINE G. JACKSON SCHOOL OF GEOSCIENCES



GARY A. KOCUREK, CHAIRMAN

Department of Geological Sciences

WILLIAM L. FISHER, DIRECTOR

Geology Foundation and

John A. and Katherine G. Jackson School of Geosciences

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Layout and Design

Photographs by JOSEPH JAWORSKI except as noted.

*No State-appropriated funds were used
to publish this Newsletter.*

Front Cover: *The new Jackson Geological Sciences Building, as seen from the
Darrell K. Royal – Texas Memorial Stadium.*

Back Cover: *The plaque celebrating John and Katherine Jackson's contributions.
This plaque can be found outside of the front door of the new addition.*

Inside Cover: *Eastern Takla Makran Desert, China. NASA photograph STS66-159-024.
PHOTOGRAPH PROVIDED BY WILLIAM MUEHLBERGER.*



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Join Us

REPORT FROM THE DIRECTOR

This year marks the 50th anniversary of the Geology Foundation, one of the first foundations of The University and the first and only one originally at the departmental level. It was established by the Board of Regents in October 1953. Since its creation, the Foundation has served to enhance and improve training and research in the geological sciences in a remarkable manner. Its contribution makes the geological sciences at The University of Texas at Austin unique.

The original stated purpose of the Geology Foundation was simple—to foster and to promote the growth, progress, and development of geological education, research, and graduate study. That purpose is the same 50 years later.

In 1953, the Department of Geology consisted of 14 active faculty, 18 part-time teaching fellows, and 21 student assistants. By law, each faculty member taught at least 9 semester hours per semester. The annual operating budget was \$123,000, and in 1953, the Department graduated 71 B.S./B.A. students, 26 M.A. students, and 3 Ph.D. students. The Bureau of Economic Geology had fewer than 10 scientists and a budget comparable to that of the Department. The Institute for Geophysics did not exist.

Shortly after formation, the Foundation had total assets of \$1010, but at the first meeting of the Foundation's Advisory Council in the fall of 1955, the Council set an ambitious goal of generating \$90,000 per year in support of the geosciences at The University to come from expendable gifts and distributions from endowments, or equal to 75 percent of the then operating budget of the Department. In today's dollars that income goal was about \$60,000. Now, 50 years later, the Geology Foundation generates about \$3 million from endowment distributions and receives annual expendable gifts on the order of \$400,000 per year, nearly six times the original, ambitious goal.

Although a number of people were involved the idea of a Geology Foundation, it is fair to say that the central players were Mr. Leonidas T. "Slim" Barrow, then Chairman of the Board of Humble Oil and Refining Company, and Dr. Samuel P. Ellison, Jr., then Chairman of the Department of Geology. Sam was recruited from the petroleum industry in 1948 and became Chairman of the Department in 1952. He was to serve as Executive Secretary or Director of the Foundation until 1970.

The initial members of the Geology Foundation Advisory Council were 15 prominent industry people. Mr. Barrow did not serve the first year—he joined the next year—but the Executive Vice President of Humble Oil and Refining Company, Morgan J. Davis, was the first Chairman, and the first Council also included Mr. Wallace E. Pratt, Humble's Chief Geologist, and one of the most prominent petroleum geologists of all time. The initial members of the Advisory Council, in addition to Davis and Pratt, brought together such important corporate executives as Everett DeGolyer, Chairman of DeGolyer and MacNaughton, W. Dow Hamm, Vice President of Atlantic Refining Company, G. Moses "Mose" Knebel, Manager of Exploration Division, Standard Oil Company of New Jersey, Leonard F. McCollum, President of Continental Oil Company, O. Scott Petty, Sr., President of Petty Geophysical Engineering Company, Sheridan A. Thompson, Vice President of Magnolia Petroleum Company, and Charles E. Yager, President of Southland Royalty Company. Prominent independents on the first Council were Wayne F. Bowman, Robert L. Cannon, George H. Coates, Guy E. "Squire" Green, John A. Kay, and Edgar W. Owen.

Morgan Davis served as Chairman for the first 7 years of the Council; Squire Green succeeded him for a 3-year term, and Tom Barrow served for 5 years following. The Council stuck to the goal of raising funds. During the first year, they raised \$70,000 in gifts and endowments; within 10 years Foundation endowments reached \$500,000, and 10 years after that, endowments exceeded the million-dollar mark. By 1976, assets amounted to \$1.5 million, and by 1979, \$2 million. In the late 1970's and early 1980's, the Council, chaired by Joseph C. Walter, Jr., and later Don R. Boyd, saw Foundation assets enlarged significantly. The combination of relatively high oil prices, the program of Regental matching of major gifts, and the generosity of members and friends gave a major boost to the Foundation, so that by 1984 the market value of the Foundation assets stood at an impressive \$10 million. Over the past couple of decades, under the direction of William L. Fisher, Foundation assets have soared, reaching a peak of \$57 million in 2000, and in the face of a brutal market in the past 2 years, now standing at \$53 million.

In 2001, John A. Jackson, a member of the Advisory Council since 1975, entered the Foundation picture in a big way by contributing, with his wife, Katie, \$25 million to the Foundation to support the new Jackson School of Geosciences. In 2002, Jack indicated his intent to leave the residue of his estate to the Foundation, which according to his financial advisor, was then valued at between \$150 and \$200 million. Sadly, Mr. Jackson died on March 21, 2003, a month before the dedication of the expanded Geological Sciences building he and Katie made possible through their generous donation. Probate Court filings in June 2003 and the report of the Executor of Mr. Jackson's estate indicate that the Geology Foundation will receive in excess of \$250 million, which with current assets will exceed \$300 million.

From that first vision and the stated goals of 50 years ago, the Geology Foundation is today without peer in resources, and The University and the University geoscience community owe the members and leaders of the Foundation Advisory Council a great debt.

Through the 50-year history of the Geology Foundation, 145 distinguished geoscientists from industry, government, and academia have served on its Advisory Council; 45 currently serve. The Council has always met twice a year, and Council members have always participated at their own expense. A special category of membership is Honorary Life Membership with election by the Advisory Council. Mr. Leonidas T. Barrow was the first member elected, and only 26 have followed him to date.

The Foundation was originally created to support the Department of Geology. In 2001, the Foundation Charter was revised for the Foundation to be in support of the Jackson School of Geosciences, including the Department of Geological Sciences, the Bureau of Economic Geology, and the Institute for Geophysics. The Geology Foundation and its Advisory Council have had a proud and impressive record over the past 50 years. The late Jack Jackson said it was the best board, by far, that he had ever served on. That feeling is shared by many of his colleagues. And The University and the University geoscience community—faculty, research scientists, and staff—have been and will forever be the great beneficiaries. From that early vision, which we might call the Barrow vision, to the future, which we can call the Jackson vision, the Geology Foundation is a spectacular institution. It is for us, the beneficiaries, to realize these visions.

Bill Fisher

Director, Geology Foundation and John A. and Katherine G. Jackson School of Geosciences

LETTER FROM THE CHAIRMAN

This was a year that saw profound accomplishment and tragic loss. In April, the John A. and Katherine G. Jackson Geological Sciences Building was dedicated. This event, marked by a day-long symposium, the formal dedication, and dinner, coincided with the 50th Anniversary of the Geology Foundation. Dedication of the Walter Library, Boyd Auditorium, Barrow Family Conference Room, John A. and Katherine G. Jackson Conference Room, and Dawson Geophysical Center also occurred. In concert with the dedication, the old section of the building was renovated by the University. In addition, great effort was put into the revamping of the numerous displays throughout the entire building. The old rock storage area (the "cage") was completely renovated and the old cabinets replaced by high-density, sliding storage units. The entire Jackson Building is now one of fresh, well-lighted, uncluttered space for teaching and research. Our continuing goal is for this building to showcase our science, the work done here, and to be a place where both the UT community and the public find things of interest and education. Sadly, Jack Jackson did not live to see the culmination of this part of his dream. His death occurred one month earlier, but the spirit of his vision is profoundly manifested.

A month after the dedication, the Department was struck by a tragic loss. One of our vans driving across West Texas for our Field Camp course (GEO 660) overturned in a single-vehicle accident. Dr. Robert K. Goldhammer and Raquel Vieira de Savariego, a Brazilian exchange student, were killed. A teaching assistant and two additional students were injured. All who knew Bob recognized him as a dynamic individual, innovative researcher, and gifted teacher. Our Department, the UT community, and colleagues, friends, and family of Bob and Raquel were united for a memorial service on campus on May 31.

In this year, the Department has continued to evolve within the Jackson School. The graduate program has expanded as we seek the best students and offer them competitive support. Within the Jackson bequest, the Department is emerging as a yet stronger research body through our ability to provide matching funds for post-docs, equipment, and research support. James Gardner from The University of Alaska at Fairbanks will be joining us in the Fall as an associate professor, filling a slot in the geochemistry/petrology program. John McCray from the Colorado School of Mines will join the faculty as well in the Fall as an associate professor in the area of geohydrology. Ron Steele from the University of Wyoming joins the faculty as the Davis Chair in Petroleum Geology. This position is a replacement for Bill Galloway, who has retired from the Department this year. In addition, Doug Smith ends "phased-retirement" to begin official emeritus status. We wish Bill and Doug the best in new adventures, and we welcome the new faculty aboard.

Gary Kocurek

GRADUATE STUDIES COMMITTEE AND STAFF LISTING

Graduate Studies Committee

James A. Austin, Jr.

Senior Research Scientist,
Institute for Geophysics

Jay L. Banner

Associate Professor; Chevron Centennial
Fellow in Geology; and Director,
Environmental Science Institute

Christopher J. Bell

Assistant Professor and John A. Wilson
Fellow in Vertebrate Paleontology

Philip C. Bennett

Professor and Chevron
Centennial Professor in Geology

Donald D. Blankenship

Research Scientist,
Institute for Geophysics

Richard T. Buffler

Professor and Senior Research Scientist,
Institute for Geophysics

William D. Carlson

Professor and Peter T. Flawn
Centennial Chair in Geology

Mark P. Cloos

Professor and Getty Oil Company
Centennial Chair in Geological Sciences

James N. Connelly

Assistant Professor; William T. Stokes
Centennial Teaching Fellow in
Geological Sciences;
and Associate Chairman,
Department of Geological Sciences

Ian W. D. Dalziel

Professor and Senior Research Scientist,
Institute for Geophysics

Alan R. Dutton

Research Scientist,
Bureau of Economic Geology

Robert J. Ferguson

Assistant Professor and Bill R. Payne
Centennial Teaching Fellow

William L. Fisher

Professor; Leonidas T. Barrow
Centennial Chair in Mineral Resources;
Director, Geology Foundation;
and Director of the John A. and
Katherine G. Jackson School
of Geosciences

Clifford A. Frohlich

Lecturer and Associate Director,
Institute for Geophysics

William E. Galloway

Professor and Morgan J. Davis
Centennial Chair in Petroleum Geology

Robert K. Goldhammer

Assistant Professor and Elf Aquitaine
Petroleum Faculty Fellow in
Geological Sciences

Stephen P. Grand

Professor and Dave P. Carlton
Centennial Professor in Geophysics

Bob A. Hardage

Senior Research Scientist,
Bureau of Economic Geology

Martin P. A. Jackson

Senior Research Scientist and
John A. and Katherine G. Jackson
Research Fellow,
Bureau of Economic Geology

Charles Kerans

Senior Research Scientist and
John A. and Katherine G. Jackson
Research Fellow,
Bureau of Economic Geology

Gary A. Kocurek

Professor; John E. "Brick" Elliott
Centennial Endowed Professor in
Geological Sciences; and Chairman,
Department of Geological Sciences

J. Richard Kyle

Professor and The Third Mr.
and Mrs. Charles E. Yager Professor

Stephen E. Laubach

Senior Research Scientist and
John A. and Katherine G. Jackson
Research Fellow,
Bureau of Economic Geology

Leon E. Long

Professor; The Second Mr. and
Mrs. Charles E. Yager Professor; and
UT Distinguished Teaching Professor

F. Jerry Lucia

Senior Research Fellow,
Bureau of Economic Geology

William P. Mann

Senior Research Scientist,
Institute for Geophysics

Randall A. Marrett

Associate Professor; Joyce Bowman
Payne Centennial Teaching Fellow; and
Elf Aquitaine Petroleum Faculty Fellow
in Geological Sciences

Earle F. McBride

Professor and J. Nalle Gregory Chair
in Sedimentary Geology

Sharon Mosher

Professor and William Stamps Farish
Chair in Geology

Yosio Nakamura

Professor and Senior Research Scientist,
Institute for Geophysics

Timothy B. Rowe

Professor and J. Nalle Gregory Regents
Professor in Geological Sciences

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Senior Research Scientist and
John A. and Katherine G. Jackson
Research Fellow,
Bureau of Economic Geology

Mrinal K. Sen

Lecturer; Senior Research Scientist;
and John A. and Katherine G. Jackson
Research Fellow, Institute for
Geophysics

John M. Sharp, Jr.

Professor and Dave P. Carlton
Centennial Professor in Geology

Thomas H. Shipley

Senior Research Scientist and
John A. and Katherine G. Jackson
Research Fellow,
Institute for Geophysics

Douglas Smith

Professor and Albert W. and
Alice M. Weeks Centennial
Professor in Geological Sciences

James T. Sprinkle

Professor and The First Mr. and
Mrs. Charles E. Yager Professor

Libby A. Stern

Assistant Professor and Geology
Foundation Advisory Council Centennial
Teaching Fellow in Geological Sciences

Paul L. Stoffa

Professor; Shell Companies Foundation
Distinguished Chair in Geophysics;
and Director, Institute for Geophysics

Robert H. Tatham

Professor and Shell Companies
Foundation Centennial Chair
in Geophysics

Scott W. Tinker

Professor; Edwin Allday Centennial
Chair in Subsurface Geology; and
Director, Bureau of Economic Geology

Willem C. J. van Rensburg

Professor and J. H. Herring Centennial
Professor in Petroleum Engineering

Clark R. Wilson

Professor and Wallace E. Pratt
Professor in Geophysics

Lesli J. Wood

Research Scientist,
Bureau of Economic Geology

Zong-Liang Yang

Assistant Professor and John A. Wilson
Fellow in Vertebrate Paleontology

Professors Emeriti

Milo M. Backus

Shell Companies Foundation
Distinguished Chair Emeritus
in Geophysics

Daniel S. Barker

Fred M. Bullard Professor Emeritus
in Geological Sciences

Robert E. Boyer

Peter T. Flawn Centennial Chair
Emeritus in Geological Sciences

L. Frank Brown, Jr.**Stephen E. Clabaugh**

Fred M. Bullard Professor Emeritus
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Peter T. Flawn

Leonidas T. Barrow Chair Emeritus
in Mineral Resources and President
Emeritus

Robert L. Folk

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Emeritus in Geology

Edward C. Jonas**Lynton S. Land**

Edwin Allday Centennial Chair Emeritus
in Subsurface Geology

Wann Langston, Jr.

The First Mr. and Mrs. Charles E. Yager
Professor Emeritus

Ernest L. Lundelius, Jr.

John A. Wilson Professor Emeritus in
Vertebrate Paleontology

Arthur E. Maxwell**John C. Maxwell**

William Stamps Farish Chair Emeritus
in Geology

William R. Muehlberger

Peter T. Flawn Centennial Chair
Emeritus in Geology

Amos Salvador

Morgan J. Davis Centennial Professor
Emeritus in Petroleum Geology

John A. Wilson**Keith Young**

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Sedimentary Geology

Lecturers and Research Scientists

William H. Asquith

Lecturer

Matthew W. Colbert

Research Associate

Nathan R. Daczko

Lecturer and Post-Doctoral Fellow

Dennis P. Dunn

Specialist

Shirley P. Dutton

Lecturer and Senior Research Scientist,
Bureau of Economic Geology

Wulf A. Gose

Research Scientist and Senior Lecturer

Mark A. Helper

Senior Lecturer

Todd B. Housh

Research Scientist

Julian M. Humphries

Research Scientist Associate

Richard A. Ketcham

Research Scientist

Staci L. Loewy
Lecturer and Post-Doctoral Fellow

Robert G. Loucks
Lecturer and Senior Research Scientist,
Bureau of Economic Geology

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Research Scientist Assistant

Barbara J. Mahler
Adjunct Assistant Professor

Kathryn A. Manser
Research Scientist Associate

Fred W. McDowell
Research Scientist and Senior Lecturer

Kitty L. Milliken
Research Scientist and Lecturer

Guo-Yue Niu
Research Associate

Pamela R. Owen
Lecturer and Research Scientist
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Dennis R. Trombatore
Librarian, Walter Geology Library

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John R. Ready
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Alice Rentz
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Debra Sue Trinkle
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Renee A. Waters
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Mary E. Koch
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Soheila Omrani
Administrative Associate

Debra Sue Trinkle
Senior Administrative Associate

Environmental Science Institute

Nelson A. Guda
Program Coordinator

T. Bruce Hall
Program Coordinator

Eric W. James
Research Scientist Associate

Faculty Personal Notes

For **Bill Carlson**, this academic year brought the completion of several long-term projects. The new Jackson Building was finished in December, culminating more than 2 years of effort on the design/build team. Also, nearly 3 years after its inception, the initiative to fund and commission a new electron microprobe and a new environmental SEM came to fruition, with both instruments now fully functional — credit goes to Kitty Milliken for making the installations go smoothly. Doctoral student Chris McFarlane finished a landmark dissertation, co-supervised by Jim Connelly, and is moving on to a research position at Australian National University. Bill's yearning for international travel was fulfilled by brief spells of field work in the Alps, the keynote address at a meeting of the Metamorphic Studies Group of the Geological Society in London, and a talk at the Goldschmidt Conference in Davos, Switzerland. The advent in January of a new NSF grant for studies of garnet diffusion launched a new research direction that promises to keep him busy for the next 3 years. The college graduation of Bill's elder son (Ben) provided the perfect excuse for a short vacation in the Napa Valley, in addition to the now-

traditional August kayaking trip in the San Juan Islands.

Jim Connelly had an unbalanced teaching load this academic year, teaching introductory-level Physical Geology and graduate-level Isotope Geology in Fall 2002. He also helped teach Field Geology (better known as "660") for approximately 10 days. He used time in Spring 2003 continue research activities with his graduate students and Post-Doctoral Fellow Staci Loewy in Precambrian tectonics, continental reconstructions, isotope systematics, and method development. Field work this past year included West Greenland and the southwestern USA, collecting samples for geochronology along the way. He continued to develop, with John Lansdown and Todd Housh, laser ablation — inductively coupled plasma mass spectrometry to provide U-Pb ages for zircons and other U-bearing minerals. Within 60 seconds, the age of a zircon can now be determined by drilling a laser pit as small as 40 microns in diameter. While it will not replace the precision of our conventional U-Pb geochronology laboratory, its rapid acquisition time offers exciting new prospects for reconnaissance dating and provenance studies. For example, Jim is working with

Gary Kocurek to determine the source of Saharan sand by fingerprinting the ages of abundant zircon within the sand. Jim and his group presented results of their research at annual meetings in Denver (GSA), Vancouver, Canada (GAC), and Nice, France (EUG-AGU-EGU), and at a West Greenland workshop in Copenhagen, Denmark.

Bill Fisher again spent a good part of the year directing the Jackson School and the Geology Foundation. Bill taught two graduate courses, Reservoir Geology with Scott W. Tinker and Sequence Stratigraphy. He also taught a new course on Energy and Environment with Professors Larry W. Lake and Mukul M. Sharma of the Department of Petroleum and Geosystems Engineering. The course is a science/engineering elective for non-majors.

Bill is currently supervising 10 graduate students' dissertations and theses and co-supervising another 7. He has agreed to mentor 6 new students entering in the fall of 2003. Most students are doing stratigraphic and geological investigations with integrated data sets, including 3D seismic, in Texas, Utah, Colorado, Arizona, and the Gulf of Mexico, as well as Venezuela, Mexico, Trinidad, New Zealand, and Indonesia. Nine students graduated

during the past year. Yong-Joon Park (Ph.D.) will return to the Korean National Oil Company, Claudia Rassi (Ph.D.) joined ChevronTexaco in San Ramon, Adrian C. Badescu (Ph.D.) joined BP in Houston, and Terry L. Ramsey (Ph.D.) is an independent in East Texas. Christopher L. Edwards (M.S.) is employed with ExxonMobil in Houston, Alfred D. Gomez (M.S.) is working for a small independent in Midland, Budiyo (M.S.) returned to ConocoPhillips in Indonesia, Rinie Mekarsari (M.S.) joined the China National Oil Company-Indonesia, and Hasan Sarikaya (M.S.) returned to the Turkey National Oil Company.

Bill continues to give several invited lectures each year and is active in the AGI and AAPG Foundations, the National Research Council, the National Academy of Engineering, where he was chairman of Section 11, Petroleum, Mining, and Geological Engineering, and the National Petroleum Council as a member of the new natural gas study for the Secretary of Energy.

Peter T. Flawn, as President Emeritus, continues his service on a number of University commissions, boards, and committees. He is a director of Southwest Research Institute as well as several corporations and part-

nerships. In early 2002, a cruise around South America provided an opportunity to travel the Amazon River. In August, the Bureau of Economic Geology published his manuscript, *Texas Geologist and the Bureau of Economic Geology 1949-1970*.

Bob Folk's summer began with field work in Italy; his accomplice was Cecilia Donoso, a microbiology senior from Southwest Texas at San Marcos. They worked for a couple of weeks on the evaporitic ponds at the far west end of Sicily, between Marsala and Trapani. Their "boss" was Courtney Turic, a former Texas M.S. student under Brenda Kirkland, who was working for her Ph.D. at Penn State on organic chemistry of the microbes in the salt flats (which had been worked by the Phoenicians, 8th Century B.C.). Courtney had Cecilia and Bob measuring carbonate alkalinity, which Bob understood for the first time. The area is picturesque with windmills, the tuna-slaughtering islands just offshore, and lots of Marsala wine. Bob learned a recipe for scallopini di vitello alla Marsala. The four of them rented a small house on the shore, and of course Courtney and her amore Jay fell in love (with Sicily). On the way home they stopped to go up to the summit of Mt. Etna, which was reasonably active; but they missed the great eruption later in the summer. Cecilia and Bob then visited Oplontis, a Roman villa near Pompeii, which had amazing frescoes,

before continuing north to do some more sampling at Viterbo.

In August, just to do something different, Marge and Bob flew to St. John's, Newfoundland, for a week in the far northeast of North America. Bob says, "St. John's is a very picturesque city with the best geological museum I have ever seen. We drove out the Burin peninsula to Grand Bank, took a small boat trip to see whales; weather was crisp and clear; Newfoundland is highly recommended!"

In October they went to a Folk family reunion at the farm at Swan Pond, Martinsburg, West Virginia (a "Folk" possession since 1830), then Bob gave a paper on Martian nannolife at a space meeting in Houston, and to Denver GSA to give a talk on nannobacteria in cherts. One of the slides he showed was of a chalcedony sample he found while stalking the cornfields of the farm in West Virginia when about 10 years old; it has a lovely colony of nannobacteria in it.

In December they drove via Clarksville, Texas; Ouachita Mountains of Southwest Oklahoma; Hot Springs, Arkansas to Birmingham, Alabama, to see their daughter and family. This summer they are taking the two granddaughters to northern Italy to introduce them to La Dolce Vita. And in March they took a bus to Laredo and saw the South Texas brush country awash in flowers.

Bob had two papers out this year. One was co-authored with L.A. Taylor on his own tiny bit of the famous Martian meteorite ALH84001 and, yes, it is full of wonderful nannobacteria (what did you expect?). The paper is in the August 2002 issue of *Meteoritics and Planetary Science*. The other was a paper with Emma Rasbury on the beach sands of Vulcano, Sicily, and their nannobacterial alteration, which came out in spring 2003 *Terra Nova*. Their work on human arterial plaque with the Mayo Clinic people is still bumping up against medical critics who want more biological tests done. Bob is finishing up an article for the geological community that hopefully will be easier to get into print by an end-run around dogmatic old fuddy-duddies.

In case you are wondering, Bob escaped the big move to the new addition, and his office looks about the same as it did in the 1960's. His 1924 brass Leitz microscope still has pride of place, rock samples are all over (his ophicalcite desk is now beautifully exposed, however), and art work covers the walls. He still goes to work every day and thanks the Department for not yet throwing him out.

He must close by reporting a looming scandal. Bob has been invited to give the opening keynote address to an International Congress on Environmental Geochemistry (WHAT?! You say?). Japanese suggested the title "From Sediments to Nannobacteria."

Bob said, "okay," but modified it to 'From Sediments to Nannobacteria: the Collapse of a Career' and the organizer REJECTED THE TITLE!! Hubris unprecedented! So the final title is "From Sediments to Nannobacteria: From Ecstasy to Agony."

Bill Galloway writes, "The big news for me is, of course, the reality that this academic year is my last as a professor. After 17 years, I decided to ease into retirement. I will continue part-time at UTIG as principal investigator on the Gulf Basin Depositional Synthesis Project, which is moving into its 8th year."

Bill's academic year was otherwise mostly rather routine. He taught the usual courses: terrigenous clastic depositional systems, petroleum geoscience, and basin analysis seminar. As a last hurrah, he enlisted Dr. Lesli Wood, of the BEG, to organize a field trip to Trinidad for the basin analysis seminar students. They spent a week in April examining exotic geologic features such as mud volcanoes and tar lakes, as well as world-class sedimentary outcrops, mostly located along sea-cliffs. Along the way, they got to sample island culture and cuisine. In all, four Trinidad experts spent time with their group, leading the group to their favorite outcrops and reviewing the complex geology of the eastern Caribbean.

It was a busy year for presentations, including talks

at the Gulf Coast Section, SEPM Research Conference, a jointly sponsored South Texas Geological Society/GCSSEPM conference, the GCAGS conference in Austin, and AAPG in Salt Lake City. The highlight was, of course, his AAPG Distinguished Lecture tour through Southeast Asia. The trip included stops in Indonesia, Malaysia, Burnei, Thailand, Viet Nam, China, Taiwan, Korea, and Japan. Bill met several old friends and former students along the way and experienced a kaleidoscope of cultures, food, hospitalities, and architectures that left him thrilled and exhausted for weeks after his return. Bill reports, "Happily, my wife, Rosemary, was able to accompany me on much of the trip. And amazingly, I never had a flight delay, diverted piece of luggage, or missed connection."

Rich Kyle reports a particularly busy year. He taught the undergraduate course on Texas geology and mineral resources and the graduate economic geology course during fall semester. The graduate course particularly benefited from the involvement of Tom Serenko, who is Manager of Exploration and Mining for Southern Clay Products in Gonzales. Tom is currently an Adjunct Assistant Professor in the Department of Geological Sciences.

Rich concluded his tour as the Society of Economic Geologists' Thayer Lindsley visiting lecturer during fall semester, traveling to 12 sites

in the United States, Canada, and Mexico to make research presentations. In view of the Society's emphasis on supporting student chapters, presentations were designed to be of particular interest to university audiences, although presentations were also made to professional groups at mine and other mineral industry sites.

Rich made 17 presentations, roughly divided between "The Economic Geology of Microbes: Relation between Mineral Resources and Bacterial Processes" and "The Giant Pliocene Porphyry-skarn Copper-gold Deposits, Ertzberg District, Papua, Indonesia: Exploration, Production, and Research in a Challenging Environment."

Rich taught the upper division volcanology writing-component elective in the spring, continuing to hold the space created by the retirement of Dan Barker. Chris Newhall of the U.S. Geological Survey helped out with a series of lectures as the Oualline Lecturer; alumnus Grant Heinken of Los Alamos National Lab also provided a guest lecture. Rich and Sharon Mosher taught the Regional Studies in Mineral Resources Geology graduate course that culminated in a 3-week trip to Western Australia. This fabulous trip provided an exceptional educational opportunity for 11 UT graduate students to visit many classic geologic sites (see separate article, p. 40). Rich returned

via Vancouver for the Geological Association of Canada meeting to make a presentation with Rich Ketcham on an innovative approach to fluid inclusion investigations afforded by our "cat-scan for rocks" facility.

Rich and his graduate students continue to conduct research on diverse topics within the broad field of economic geology. January brought the opportunity, thanks to alumnus Dan Gorski, for a mixed graduate and undergraduate student group to tour the interesting oxidized zinc deposits at Sierra Mojada, Coahuila. Compania Penoles was a very generous host, including also arranging for a tour of the Naica deposit in Chihuahua, highlighted by the spectacular "cristal cave" with selenite crystals up to 3 feet across and 15 feet tall!

Mac McGuire completed his thesis on carbonate replacement zinc-lead-silver deposits at Hecla, Montana, which should be of interest to past GEO 660 students as it has been a mid-summer mapping project for several years. Alison Mote continues her studies on the gold deposits at Cripple Creek, Colorado, and Fabienne Grellet-Tinner is working on the silver deposits at Shafter, Texas' largest metal producer (and site for the sci-fi movie, *Andromeda Strain!*). New student Luis Rivera and Rich traveled to El Salvador over Spring Break to set up a research project on a gold deposit associated with a

fossil geothermal system in Tertiary volcanics. They also toured the active Berlin geothermal field and a number of younger volcanic centers.

Rich continues as Graduate Advisor and Chair of the Graduate Admissions and Support Committee, particularly dealing with issues concerning changes to the graduate program within the Jackson School of Geosciences. He also continues to serve as Editor-in-Chief for *Ore Geology Reviews*, a major international economic geology journal.

Leon Long continued a 35-year tradition, which is to co-teach two lecture sections of GEO 303, the big introductory course. He teamed with Libby Stern in the fall semester and with Steve Grand in the spring, both of them also being long-time colleagues in that course. Leon was surprised and pleased to receive a departmental award for Outstanding Teaching in an Introductory Class. He also facilitated the course that is analogous to GEO 303 but pitched at the professional level. Designed especially for incoming graduate students, it provides an overview of the enormous range of subject material that comprises geological science. During Intersession, Leon taught the field course for non-majors (many of these students about to become public school teachers), and it was a totally delightful class.

A lot of time and energy go into being the department's

undergraduate advisor, whose duties include allocating scholarship money (thanks to the Foundation) and talking to students making critical decisions about a life career. And there are numerous committees, invited lectures to groups within and beyond UT, leading of field trips, revising a paper, revising his introductory textbook (11th edition), work in the lab—all that usual stuff.

Last July, Leon and Mary spent a nostalgic 3 weeks in South America, roaming down the spine of the Andes as far as Santiago, accompanying Bill Sill (who co-taught GEO 303 for a decade) to a world heritage site in western Argentina rich in dinosaur remains, visiting old friends in São Paulo, and much more.

Earle McBride taught his usual courses in the fall – Sedimentary Rocks (team-taught with the late Bob Goldhammer) and the graduate course for new teaching assistants. In the spring he again team-taught Sedimentary Rocks with Goldhammer and team-taught a new graduate course, Advance Reservoir Characterization: Terrigenous Clastics. This course, taught jointly with Kitty Milliken, Bob Loucks, and Shirley Dutton, focused on the use of petrographic techniques to help understand porosity and permeability evolution in sandstones and how to avoid reservoir quality problems. The course had about equal numbers of geologists and petroleum engineers.

Donna is still recovering from her stroke of early 2002, so Earle stayed close to home again this year. He continues to study the origin of quartz and calcite cements in sandstone. Giant, “cannonball” calcite-cemented concretions in fluvial sandstones in Kansas reach 6 meters in diameter. Carbon isotopic data indicate that most of the carbon in the calcite was derived from methane leaking from the subsurface.

This summer was dedicated to lab research, cleaning his office, preparing lab exercises, genealogical research, and organizing his sock drawer.

Sharon Mosher had a great year teaching Tectonics to both graduate and senior undergraduate students with Cliff Frohlich, Advanced Structure, Earth, Wind & Fire with Liang Yang, and Mineral Resources with Rich Kyle. The latter culminated with a 3-week field trip to Western Australia organized by Annette George of the University of Western Australia (see article, p. 40) as a reciprocal trip for the one Sharon organized for them to the southwestern U.S. in 2000. The trip was one of the best – geology fascinating, students interested and cheerful, and weather perfect. On the research front, the Australia-Pacific plate boundary and Macquarie Island project continued with two Ph.D. students and two postdoctoral scientists. Tip Meckel finished his Ph.D. in the spring investigating incipient subduction on the

southern part of the plate boundary, the Hjort Trench. In addition, Sharon has three other graduate students, a Master’s student working in the Llano Uplift and one in the Big Maria Mountains of California, and a new Ph.D. student starting a project along the Alpine fault of New Zealand.

Outside of the Department, Sharon had the enjoyable experience of serving on the Texas State School Board’s Task Force on Earth Sciences. The task force was composed of members of academia, industry, and middle and high school educators. Over the course of the year, the group met all over the state, hearing public opinion and evaluating Earth Science content in Texas middle and high schools. The task force recently finalized its report with a number of immediate and longer term recommendations and will meet with the school board to ask for implementation in the early fall. Sharon also chaired a multi-society steering committee that is developing an electronic journal aggregation for the geosciences, called *GeoScienceWorld*. A comprehensive business, economic, and technical plan will be completed by this fall, and launch of the aggregation is expected by mid-2004. In the fall, Sharon finished her duties as Past President of GSA but became Chair-Elect of the Council of Scientific Society Presidents, a group that is very involved with sci-

ence policy and scientific leadership development. She also started as a member of NSF’s Advisory Committee for the Geoscience Directorate.

Bill Muehlberger reports that NASA’s problems have eliminated the need for Bill to brief Shuttle crews for the past year. So, instead, he has gone to various meetings concerning the training of astronauts, past (Apollo 15 at the Rio Grande Gorge near Taos, NM) and future (manned exploration of Moon/Mars, Colorado School of Mines). In addition he has given talks using handheld pictures taken by the astronauts to illustrate the many uses that can be made of them (Austin Geological Society; Scolia; International Space Station Educators Conference, Waco; World Space Congress, Houston; Graduate Tectonics class, UT Austin).

A Hedberg Conference on the Ancestral Rockies (Vail, CO) was a high point of the summer, followed by another high point—a 2-week vacation to the San Juan Islands, WA. While touring the islands they ran across Bill Carlson and wife doing the same thing! The islands are fantastic, and Bill and Sally can highly recommend them for a restful vacation!

Late fall, Sally and Bill spent 2 weeks on a tour of Morocco. Delightful! Spectacular buildings, people, and scenery! Go see it! Annual meetings of AAPG and GSA also filled Bill’s time. Now

that Bill is a Trustee of the Geological Society of America, he has duties related to it (raise money!) that take time.

Last but not least, Bill is involved in helping compile a new geologic map of Big Bend National Park. In the 50 years since the Maxwell et al. map and report came out, there has been considerable new mapping by UT students and their students (those who went into teaching). Bill's task is to get that material compiled, determine the holes, and get them filled. This is a project supported by the Bureau of Economic Geology, the National Park Service, and the USGS. Bill has started a mapping project around the Glenn Springs Laccolith (really a fat sill) and south to Mariscal Mountain – the bottom of the Big Bend. A fascinating area.

As he did last year, **Amos Salvador** devoted all his time to completing the study on *Energy in the 21st Century* – the estimation of what the demand/consumption of energy will be and how will it be supplied. The last section of the study includes several possible scenarios based on diverse combinations of the basic information developed in previous sections of the study. Amos believes that “the main value of the study may perhaps be that it assembles within a single cover a large volume of detailed historical statistical data on human population, energy consumption, and information on current knowledge about possible future sources of

energy: production, reserves, geographic distribution, etc., data now scattered in many publications, not all of which are readily available.” Readers will be able to disagree with the possible scenarios discussed in the study and come up with their own predictions – all the basic information needed will be available to him or her.

Jack Sharp reports that 2002-2003 has been interesting and challenging. It started in May and June when Jack returned to Australia to attend a conference at the top end (Darwin) and spent time at Flinders University and CSIRO working with colleagues, including the brainstorming session with Craig Simmons and Neville Robinson on the top 10 future research needs in hydrogeology. Jack will be happy to share that with you if so requested. The trend towards study in Mexico and the border region continues. In September, the graduate class, Physical Hydrogeology, and the undergraduate class, Groundwater Hydrology, had a 4-day field trip to Cuatro Cienegas along with some of Dean Hendrickson's biology students. This is a fascinating area with intriguing emerging hydrogeological, biological, and economic problems. We haven't yet defined out the appropriate research studies because the basic data are not available. In January, 2003, the second trip to Zacatón was a success with Jack, UT grad students Marcus Gary, Chris Caran, and Robin Havens,

Georgio Caramana (Italy), botanist Dale Kruse (Texas A&M), and Art and Peggy Palmer (SUNY – Oneonta) in attendance. Here as in Cuatro Cienegas, the variability of these hydrogeological systems continues to challenge us. Marcus reports that the isotopic data so far analyzed supports a volcanogenic origin of the extremely deep mega-sinkholes. Art stayed on for a week as an Oliver lecturer and made a suite of superb presentations.

In the fall, Aussie visitors and guest lecturers included Jennifer McKay (University of South Australia) and Craig Simmons (Flinders University) as the fall Oliver Lecturer. Craig and Jack continue their collaboration on free convection in porous media.

On the service front, Jack finished his third year on GSA's nominations committee; he reports it is a pleasure to recommend from so many talented scientists for committee service and officer positions in the organization. He also completed his first year on the Texas Utilities Environmental Steering Committee (Chip Groat, Ph.D., 1970, also serves on the committee) which gives fresh insights into industrial concerns. TXU's environmental record has been superb, and they have supported the research of 6 of our graduate students over the years. He continues on AIH's examination committee and several state and international advisory committees. In the

department, the main administrative challenges were chairing the hydrogeological search committee and co-chairing (with Bridget Scanlon, BEG) the Jackson School water initiative committee. On the former, we have made an offer to an outstanding scientist at the associate professor level and we have oral agreements. We hope that the paperwork will go through smoothly and that the newsletter will have another hydrogeologist's report next year. On the latter, the water initiative is also very exciting; we have the opportunity to be number one hydrogeological institution in the world if we proceed properly.

With respect to hydrogeological alumni, Jack notes that both Joanna Crowe (M.A., 1994) and Matt Uliana (M.S., 1995, Ph.D., 2000) are both teaching at Southwest Texas State University in San Marcos and George Tsoflias (Ph.D., 1999) finally joined the faculty at the University of Kansas. William Asquith finished his Ph.D. on L-moment statistics applications in hydrology in record time and continues full time with the USGS in Austin. Finally, Bob Kent has retired again. Bob has funded the complete translation of Darcy's *Les fontaines publiques de la ville de Dijon* by Patricia Bobeck (M.A., 1985). This was a huge undertaking. We also thank Bob for the nearly 16 years that we were able to use his land (now sold) for our field method classes pumping tests.

Research manuscripts were published on "Heterogeneity of fluvial systems – control on density driven flow and transport" in *Environmental and Engineering Geoscience* (with Mingjuan Shi and Bill Galloway) and three are in press: "Groundwater systems feeding the springs of West Texas" (with Radu Boghici, M.S., 1997, and Matt Uliana), "Effects of urbanization on groundwater systems" (with Jason Krothe, M.S., 2002, John Mather, Bea Garcia-Fresca, and Craig Stewart); and "Abnormally-pressured beds as barriers to diffusive solute transport in sedimentary basins" (with Alicia Wilson and Tom Fenstermaker, B.S., 1996, and M.S., 2000). Research continues in the areas of the Edwards aquifer, urbanization effects (Bea and Jack have submitted another article on recharge in urban areas), flow and transport in fractured rocks, hydrogeology of the Trans-Pecos, thermohaline free convection (Jack just received an ACS-PRF grant to continue this research), and coastal aquifers/subsidence. He is also considering new research directions involving the assessment of brackish water resources and the use of decision support theory in managing groundwater resources.

This May, Jack taught the hydrogeological field methods with the class project returning to Padre Island. Todd Halihan (Ph.D., 2000) was a guest instructor. This class reinforced the need for

the modern hydrogeology student to have access to modern field equipment, something we have been struggling with for at least 20 years. Plans for the forthcoming year include preparation of an issue dedicated to urban hydrogeology for the *Journal of Hydrology*, a visit to Prague for the fall IAH meeting, return field trips to Cuatro Ciénegas, Zacatón, and Trans-Pecos Texas, and writing.

On the personal front, Jack and his wife, Carol, were relieved when son-in-law John Dyer returned safely from flying A-10s in Iraq. He and Katie are next scheduled to a station in Korea. Katie was employed with OTO Engineering in Springfield, Massachusetts, for the last 2 years. Son David is tying beautiful flies and takes Jack fly fishing now (nice switch). The "baby," Susan, is now looking at colleges. White bass fishing was great, goose hunting was fair, duck season was lousy, and Australian wines are getting even better.

Doug Smith reports that he is looking forward to Emeritus status and to splitting time between Austin and Durango, Colorado. He and Jean feel each place has so many attractions that it is difficult to choose between them, so they hope to postpone the choice. Doug will continue to study processes in the Earth's interior, partly by analysis of mantle fragments from the Four Corners

region. The new analytical equipment in the department promises to provide many challenges, perhaps most of them enjoyable. He anticipates other studies on crustal rocks and processes in the Southwest, but he has a lot to learn about them. Advice and publications from friends will always be more than welcome, whether on geology, photographs, mushrooms, hiking trails, conservation....

Jim Sprinkle had a fairly busy year of teaching, research, and travel. He taught junior-level Paleobiology, a substantial writing component course, to 27 Geology majors in the fall, along with the Nomenclature and Techniques course to 6 graduate students, and also presented two lectures in Leon Long's Modern Geological Sciences course for 16 graduate students. In late October, he was co-author on a talk with Colin Sumrall at GSA in Denver on our knowledge of Ordovician rhombiferan diversity. Over the Christmas vacation, Jim worked on making prints and plates with graduate student Chris Schneider for the Schneider, Sprinkle, and Ryder Pennsylvanian echinoid systematics paper, which will soon be submitted to the *Journal of Paleontology* for publication.

During the spring, Jim taught the freshman-level Plate Tectonics and Earth History course to 70 undergraduates in the new Jackson Building, read several theses and dissertations for finishing

graduate students, visited with coworker Tom Guensburg up in frigid Rockford, Illinois, over the first part of Spring Break, wrote a short joint paper with Tom on the timing of peak Ordovician echinoderm diversity for a meeting in San Juan, Argentina, this summer, and helped set up new exhibits for the dedication of the new Jackson Building in late April. G. K. spent the spring lobbying for two major clients in the Texas Legislature in a very tough session; not enough money was available for the State's many needs, and there were many bad bills that would just not die.

After finals, Jim spent the next month getting ready for summer field work and the Argentina talk, and then in early June drove out with G. K. in separate vehicles to the Grand Canyon North Rim, where she had a summer job as a National Park Naturalist-Interpreter. Jim then borrowed the Jeep and drove further NW to western Utah and central Nevada for about 10 days of field work in the Ordovician, drove back to the North Rim to switch vehicles again with G. K., and then drove back home to Austin with all the collected samples in the sedan.

After another month of frantic work back at school trying to get another major manuscript finished, it was off in early August to the Ordovician conference and field trip in Argentina.

Scott W. Tinker, Allday Chair of Subsurface Geology, Director of the Bureau of Economic Geology (BEG), and State Geologist of Texas, enjoyed his third year at UT. Scott co-taught with Bill Fisher a graduate class on Reservoir Geology in the fall with approximately 20 students representing more than 10 countries and 5 continents! He sits on several graduate student committees and graduated his first M.S. student, Ted Playton, this year.

Scott sits on the Steering and Executive Committees of the Jackson School, and he has been actively involved in the formation of the School. The BEG, a component of the Jackson School, continues to maintain broad funding distributed evenly across State, Federal, and private sources. It has been a particularly challenging year, with Federal and State economies in recession, but it appears that the Bureau will come through in good shape. The BEG Advisory Committee continues to meet twice a year for technical presentations and status reports and has been a great resource to the BEG.

Scott had a busy travel schedule this year, with trips to Mexico, Norway, Venezuela, Brazil, Sweden, Canada, and all over Texas and the United States. He served as a Society of Petroleum Engineers Distinguished Lecturer, with tours cut short by the war in Iraq and the outbreak of SARS in the Far East. He presented various versions of invited and keynote talks on "Technology for the Coming Gas Economy," "3-D Modeling of Aquifers and Hydrocarbon Reservoirs," "Carbonate Sequence Stratigraphy," and "The Status of the BEG" at various society meetings, conferences, and universities.

Scott spent many days in Washington, D.C., with the Association of American State Geologists (AASG), with the Petroleum Technology Transfer Council (PTTC), and with the Department of Energy (DOE). He chaired a National Research Council Workshop on Natural Gas, which was well attended. A report on the workshop will come out in late summer.

The Gulf Coast Association of Geological Societies

(GCAGS) meeting was held in Austin this year, and Scott served as Technical Program Chairman. The meeting was a success by all counts—well attended, excellent exhibits, strong technical program—and provided a significant return to the Austin Geological Society (AGS). Scott served as President of AGS this year, and the GCAGS convention was a big part of the effort.

Scott serves on several AASG and American Association of Petroleum Geologists (AAPG) committees. He is an American Geological Institute Foundation Trustee, a member of the Trinity University Board of Visitors, a member of the Board of Advisors for iReservoir.com, and is the SEPM Vice Chair for the annual AAPG/SEPM meeting to be held in Dallas in 2004.

Scott published short papers in *Geotimes*, the *AAPG Explorer*, and *The Business Briefing*, and he co-led a week-long AAPG Field Seminar to the Guadalupe and Franklin Mountains in New Mexico.

It was a full year and a fun year.

Clark Wilson's teaching activities during the 2002-2003 academic year included Computational Methods in Geological Sciences during the Fall semester, and two courses, Geophysics for Geological Sciences Majors and Data Processing, during the Spring semester. He gave an invited lecture on Earth rotation variations at the Heiskanen Symposium at Ohio State University in October. Travel also included trips to the American Geophysical Union Meeting in San Francisco, and to the Spring AGU meeting, jointly with the European Geophysical Society, in Nice, France. Clark is organizing two sessions at the International Union of Geodesy and Geophysics Assembly in Sapporo, Japan, in July 2003, and is looking forward to his first visit to Japan. Life continues to be regulated by teenage daughters Kirsten and Sissel, and commuting to and from campus by bicycle is still the routine.

FACULTY AWARDS AND HONORS

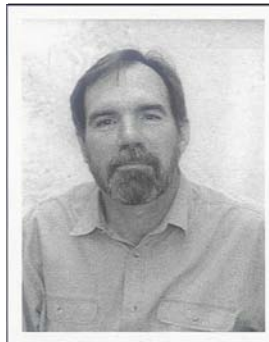
CHRISTOPHER J. BELL, John A. Wilson Fellow in Vertebrate Paleontology, was awarded an El Paso Corporate Foundation Faculty Achievement Award. This award is given "to teaching faculty members who have demonstrated significant and meritorious achievement in teaching. The foundation recognizes dedicated educators with exceptional devotion to the quality of instruction, high academic standards and a remarkable dedication to students."

JAMES N. CONNELLY, William T. Stokes Centennial Teaching Fellow in Geological Sciences, was awarded the G. Moses and Carolyn G. Knebel Distinguished Teaching Award at the Department of Geological Sciences Awards Ceremony on May 1, 2003. This award is for outstanding teaching, and the recipient is selected by graduate students and undergraduate majors. It carries a \$1,500 monetary award from the Geology Foundation. Dr. Connelly has won this award twice before, in 1997 and again in 2001.

WILLIAM L. FISHER, Leonidas T. Barrow Chair in Mineral Resources, Director of the Geology Foundation, and Director of the Jackson School of Geosciences, received a Presidential Citation from Larry Faulkner, President of UT-Austin. The Presidential Citation recognizes "the extraordinary contributions of individuals who personify the University's commitment to the task of transforming lives." In addition, he was given an Honorary Doctorate in Engineering by the Colorado School of Mines. This degree was granted to recognize Dr. Fisher's "extraordinary contributions in resources assessment, energy research and development policy, and environmental resources." He was also elected a Fellow of the American Association for the Advancement of Sciences for "distinguished, unselfish service in geology as teacher, researcher, advisor, councilor, board member, and officer of regional and national academic institutions, agencies, societies, and academies." He was also named a lifetime National Associate of the National Academies in honor "of extraordinary service to the National Academies in its role as advisor to the Nation in matters of science, engineering, and health." The American Geological Institute has also established the William L. Fisher Congressional Geoscience Fellowship, the first endowed fellowship. The endowment "commemorates Fisher's important geoscience contributions and the key role he has played in the development of geopoly decisions at the national level."

WILLIAM E. GALLOWAY, Morgan J. Davis Centennial Chair in Petroleum Geology, received an Honorary Membership in the Gulf Coast Association of Geological Societies (GCAGS).

ROBERT K. GOLDHAMMER, Elf Aquitaine Petroleum Faculty Fellow in Geological Sciences, won the College of Natural Sciences Teaching Excellence Award. This award is given to "increase recognition of the College's many exceptional faculty who are committed to teaching at either the undergraduate or graduate level."



MARK A. HELPER, Senior Lecturer, was awarded the Houston Oil and Minerals Corporation Faculty Excellence Award at the Department of Geological Sciences Awards Ceremony on May 1, 2003. This award is given "to recognize faculty excellence in any area." The recipient was selected by the Geology Foundation Executive Committee based on the nominations of faculty and students.

LEON E. LONG, the Second Mr. and Mrs. Charles E. Yager Professor, the Fred M. Bullard Professor in Geological Sciences, and a UT Distinguished Teaching Professor, was given a new award for Outstanding Teaching in an Introductory Class. This award was presented at the Department of Geological Sciences Awards Ceremony held May 1, 2003. This award was created to recognize excellence in teaching at the introductory level, especially in courses designed for non-geology majors. Nominations are requested from students, faculty, and staff, and the winner is chosen by the Geology Foundation Executive Committee. It comes with a \$1000 monetary award given by the Geology Foundation.



EARLE F. MCBRIDE, J. Nalle Gregory Chair in Sedimentary Geology, and **KITTY MILLIKEN**, Lecturer and Research Scientist, were given the Bronze Award by The University of Texas Division of Instructional Innovation and Assessment for a CD they created called "Sandstone Petrology: A Tutorial Petrographic Image Atlas." Their award honors their "accomplishments on behalf of enhancing teaching and learning for their students."

SHARON MOSHER, Professor and William Stamps Farish Chair in Geology, will receive the Geological Society of America (GSA) Distinguished Service Award at their GSA's meeting in Seattle, Washington. This award "recognizes individuals for exceptional service to the Society."

TIMOTHY B. ROWE, J. Nalle Gregory Regents Professor in Geological Sciences, was given the Gold Award by The University of Texas Division of Instructional Innovation and Assessment for "DigiMorph.org — A Digital Library of Vertebrate Morphology." This award celebrates his "accomplishments on behalf of enhancing teaching and learning for his students."

In Memoriam: JOHN A. JACKSON



Mr. Jackson pictured with a photograph of his late wife, Katie.
PHOTOGRAPH BY DICK CLINTSMAN, COURTESY OF PRESBYTERIAN HEALTHCARE FOUNDATION.

John A. (Jack) Jackson was born August 11, 1913, in Lufkin, Texas, and died in Dallas on March 21, 2003, of pulmonary and heart failure. His wife and life partner, Katherine (Katie) G. Jackson, died March 10, 2001.

Jack Jackson lost his father when he was 3, after which he and his mother moved to Dallas. During his childhood, he attended schools in Dallas and Temple and graduated

from high school in 1932 in Hatch, New Mexico, where he lived with relatives. After working in the oil fields of East Texas for several years, he entered the University of Texas, Austin, but he was soon advised by Dean Arno Nowotny to attend Temple Junior College for 2 years and then return to the University. In Temple in 1936, he met Katherine (Katie) Graeter, who later became his wife and life's partner. After

2 years, he returned to the University of Texas, Austin, where he received a B.A. in geology with double minors in mathematics and anthropology in 1940. At UT, he was an ardent and accomplished softball and baseball pitcher and participated on championship teams.

Following graduation, Mr. Jackson began executive training with the Arkansas Fuel Oil Company in Shreveport but was to leave to join the U.S. Navy shortly after the outbreak of World War II. Within a few months, he was placed on special orders by The President of the United States under the War Services Act to work with the U.S. Geological Survey in the Arkansas bauxite fields, the only source of desperately needed aluminum ore then under U.S. control.

After the war, Mr. Jackson worked in South Texas for Arkansas Fuel, but he soon moved to Dallas to become an independent geological consultant. Later, he formed a partnership with Ellison Miles of Dallas. Mr. Jackson was a highly observant geologist who carried a geologic depositional concept he developed in the bauxite fields in Arkansas to Paleozoic rocks of Wise County in North Texas. His perceptive practice of the science of geology, a trait common to great oil and gas explorationists, allowed him to discover the great Boonsville Field in Wise County, one of the largest natural gas fields in the Nation. The discovery was featured in the business section of the December 17, 1956, issue of *Time* Magazine under the headline of "A Word to the Wise." This success allowed Mr. Jackson to form his own company and become its sole owner. He named it Katie Petroleum, in honor of his wife. He left the oil and gas discovery business in 1960 to spend more time with Katie and began focusing his professional energies on oil and gas management, real estate, investments, and philanthropy.

The Jacksons were always generous with their resources, especially in the areas of health and education, the two areas that most enrich the human condition. At Texas Lutheran College in Seguin, where Mrs. Jackson long served as a Regent, they provided support for scholarship programs and funds for the construction of an auditorium bearing their names. In Dallas, they donated land and supported construction projects for the Presbyterian Hospital. They were also major contributors to municipal libraries in Decatur and Bridgeport, Texas. Mr. Jackson provided substantial gifts to Austin College and to a variety of civic endeavors in Dallas.

At The University of Texas at Austin, Mr. Jackson and his wife were extraordinarily generous supporters, especially to the Ex-Students Association, the Geology Foundation, and the College of Natural Sciences. Mr. Jackson was an Honorary Life Member of the Advisory Council of the Geology Foundation, of which he was an active and vital member since 1975. In the Foundation, the Jacksons endowed the Jackson Centennial Teaching Fellowship in Geological Sciences, the Jackson Fellowship in Geohydrology, and the Jackson Exploration Geophysics Fund, along with numerous gifts in support of other Foundation programs. In 2000, they provided a gift of \$15 million to expand the existing Geology Building. In appreciation, The University Board of Regents named the previous Geology Building the John A. and Katherine G. Jackson Geological Sciences Building. Katie died March 10, 2001, just before the groundbreaking for the new building on April 17, 2001. The building was occupied by the Department and was formally dedicated on April 25, 2003.

On July 10, 2001, The University of Texas at Austin President Larry R. Faulkner announced that Mr. Jackson was providing a gift of \$25 million to the Geology Foundation of The University of Texas at Austin to support a School of Geosciences that the Board of Regents established and designated the John A. and Katherine G. Jackson School of Geosciences. And finally, in a letter to President Faulkner dated February 27, 2002, Mr. Jackson indicated his intent to leave the residue of his estate, then valued by his financial advisor at between \$150 million and \$200 million, to the Geology Foundation in support of the John A. and Katherine G. Jackson School of Geosciences.

It constituted the largest gift to a single public university in U.S. history. Based on probate court filings in June, 2003, the ultimate total of Mr. Jackson's gift to The Geology Foundation will be well in excess of \$250 million.

Mr. Jackson was a Life Member of the Chancellor's Council and a member of the UT Austin College of Natural Sciences Hall of Honor. In 2002, he was named a Distinguished Alumnus of The University of Texas at Austin by the Texas Ex-Students Association. He was a long-time member of the American Association of Petroleum Geologists and the American Institute of Professional Geologists and was certified by both. The tracks he left at The University of Texas at Austin and the geosciences are deep and will last forever. We are not likely to ever again see the likes of Jack Jackson.

Eulogy for John A. Jackson

By Larry R. Faulkner

The following eulogy was given by UT President Larry R. Faulkner at the funeral service for Mr. John A. Jackson on March 26, 2003, in Dallas, Texas.

It is a privilege indeed to speak on this occasion. Although I knew Jack Jackson for only about 3 years, we enjoyed a friendship of considerable depth and substance. Of course, it began because of his great love for The University of Texas, but in the end there was much more to it than that. Jack spent formative years of his youth in Shreveport, and I did too. He was very nearly my father's age, and he shared many of my father's values and loves, including active participation in baseball in the Shreveport area about the same time. Jack and I had some common roots, and we spoke a language together. It was a good and satisfying friendship for both of us, I believe; but much shorter than either of us would have preferred.

Jack and I last visited on the Sunday morning before he died. He was sitting up in a chair by the window. His eyes were bright, and he often flashed that sideways smile. We covered lots of ground. There was some of Shreveport, and there was some of bauxite in Arkansas, and there was gas in Wise County; but there was some of the future, too. Jack was always interested in the future, because he knew he could make it better than ever. We looked toward the dedication of the Jackson School of Geosciences next month and spoke about how he would try to be there.

When I left, I shook his hand and said, "Goodbye, Partner." He smiled and said "We *are* partners." It was a moment I noticed as it passed—not because I thought it would be the last goodbye, but because the great resonance of a good friendship was right there in the exchange.

Jack lived by a few simple principles. He loved Katie first and forever. He believed in friendship. He wanted to help his community. He believed in the Earth and in his understanding of its ability to provide.

Jack was proud of what he was able to build from his geological knowledge. He spoke in our last visit, with great satisfaction, of his work to support the country's needs during the Second World War. He was especially proud of the geological insight that made possible the remarkable production in Wise County. And he often spoke with pride about the quality of his colleagues on the Geology Foundation Advisory Council at The University of Texas. He loved being a part of that group over the years, and he spoke of it often, with never a hint of recognition that he himself was among its luminaries.

Rarely do any of us find such a genuine and generous friend.

Others have spoken eloquently about Jack's myriad contributions to his community. Characteristically, Jack looked toward the future in practically all of that work. Solid to the end was his faith that – if we work at it – the world to come will be better than that of the present and past. Most of us speak of his enormous contributions as "philanthropy," but Jack thought of them as "investment." It is natural that he would, given his attitude toward the future. He believed he was supplying lasting capital to educate, to support discovery, and to preserve health for generations to come. And indeed he was.

Jack loved The University of Texas because it opened new horizons for him personally and professionally. He never forgot individuals who taught him and guided his personal development, and he revered the University for giving him a professional understanding of geology, upon which he built lifelong success and personal satisfaction.

He wanted future Texans to have the same experiences, and he and Katie supported many different initiatives at The University and for the Ex-Students' Association.

The crown jewel is the Jackson School of Geosciences, which brings together a large, powerful array of scientists and students, who focus on the Earth. It is our fundamental heritage, Jack thought. It is our home. We can draw from it, but we must also serve as its stewards. Jack believed that, here too, the future can be better than the present or past. He wanted The University of Texas to assume and to sustain a global leadership in the geosciences. He saw the consequences in terms of richer experiences for individual students and a brighter, healthier prospect for Texas and the world. His philanthropy – his investment – is of a scale and character to make that vision practical, and we at The University are committed to it. It's the right idea, and generations will praise Jack for it.

"We are partners," Jack said. And he says it now to all of us. Throughout his life, and especially at the end, he was building a partnership with all those generations yet to come, in Dallas, in Texas, and beyond.

Jack and Katie used to be fond of saying, "Let's get the show on the road." And they did.

May God bless their souls together and give them peace.

EULOGY FOR JOHN A. JACKSON

By William L. Fisher

This eulogy was given by Dr. William Fisher at the funeral service of Mr. John A. Jackson in Dallas, Texas, March 26, 2003.

I had the pleasure and the honor of knowing John A. Jackson as a professional colleague and as a very good friend for nearly 30 years. During that time I heard many stories, for Jack was a storyteller first class. When I would give him a call or come for a visit Jack would nearly always start off with "tell me something," but before I said very much Jack was off with a story. In telling his stories Jack told much of his life – not just his history, as colorful as that was, but in hearing the stories one got the flavor and character of the man and what he wanted to accomplish in life and after.

I would like to share some of my favorite stories, knowing that I cannot begin to tell them like Jack.

Now, I do not think I ever heard Jack speak ill of someone, even the fools he, like anyone else, occasionally had to suffer. He would characterize them to be sure, but always with a good dose of humor. This is an example.

There was a fellow with the unlikely but real name of Arch Dindigger. Jack told of the time in the 50's when he was doing some lease evaluation for Mr. Jay Simmons down in deep South Texas. Mr. Simmons decided he wanted some collaboration to Jack's scientific appraisal so he retained Arch. Arch was what then was commonly called a doodle bugger – doing work that was not all that scientific. Nonetheless Jack took him to the lease and let him go with his device while Jack found some shade and waited. Before long Dindigger came back scratched and crying. His device was a board from which a string held an acid bottle which when he walked around the device told him where oil was underground. Jack asked him what was wrong. Arch said he had broken his string and would have to go back to Dallas to get another because the string had to be a prescribed length. Jack told him not to worry, he was an old Navy man and could tie a knot and keep the string the original length. But he made Arch turn the other way. Arch completed his survey and they returned to Dallas.

Jack would laugh hard enough to cry when he told the story and quoted Arch as saying "mine string is broke."

Another one of my favorites speaks of the love and devotion Jack had for Katie, for they were true life partners. This was about 1960 and Jack was up in Wise County sitting about a dozen wells at a time and out in the field for 2 or 3 weeks at a time. One weekend, as Jack told it, he came home to Dallas and thought Katie would be pleased to see him. But when he arrived she was peeved and told him she wished she had married a shoe clerk because he would have a place close by and be home regularly and at a decent hour. Jack said he immediately exchanged his leases for a royalty on future gas production from the leases, never sat on another well, and never spent another night apart from Katie until her death 2 years ago.

As a geologist I always liked Jack's story about his buried hills theory. During the War under a War Service Appointment in which Jack took great pride, he was lifted from the Navy and assigned to the geological survey working the bauxite fields of Arkansas. Bauxite is the ore of aluminum, and it was in short supply and critically needed during the War. Jack's job was to monitor the drilling and indicate when core was to be cut. He started making maps, as all good geologists do, and discovered that the bauxite that weathered from nepheline syenite was washed down the slope off of the syenite knobs.

A decade later when he surveyed Wise County for Colonel Hughes, Jack noted that the main potential gas reservoirs were conglomerates, and he found, that like the bauxite deposits, the conglomerates were on the flanks and in the structural lows. In those days and even sometimes today no one would drill off structure. Jack discovered the giant Boonsville gas field this way while others in the area were drilling dry holes. This story tells just how observant Jack was and how creative he was – marks of a great oil finder. This was a serious geological credential of which Jack was justly proud. But Jack was equally observant about land, people, and the institutions around him. He had his degree in geology of which he was fiercely proud. And he practiced the science with élan, like the pro he was.

Jack was strong in the belief that if something was important to you, you had better handle it yourself. On some of my visits Jack would like to go out for lunch – the chili lunches are legend. But another favorite was hamburgers at Wendy's. I recall on one trip I told Jack to go on and take a seat and I would order the burgers, which I did. About halfway into the burger Jack commented that it just was not up to Wendy's par. I had to admit to him that I had ordered the wrong one. He said, "I know that." I need not tell you who ordered the burgers on the next trip to Wendy's.

We will tell and trade Jack Jackson stories for a long time. But we will always remember him for the many unique and remarkable things he did.

This big-hearted, truly unselfish, generous man was surely one of a kind. He would always say he was not a giver, but an investor, and so he was. His gifts or his investments were broad but largely focused in the areas of education and health – two areas Jack believed absolutely essential to improving the human condition.

Jack Jackson's tracks are deep and lasting, and no place more so than with the geosciences at his alma mater. He always said that the resources of the Earth had been good to him and what he had been able to accomplish. They were, and he was to share all, forever.

And so, Jack, my friend, thank you for all you were, for what you meant to us, and for all you did. Go with God, be with Katie, and rest in peace.

Jackson School Vision Committee Appointed by President

In May 2003, President Larry R. Faulkner appointed a distinguished group of geoscientists from industry, government, and academia to a special Jackson School Vision Committee. The Committee, to be chaired by Dr. Peter T. Flawn, includes members of the Geology Foundation Advisory Council as well as other academic leaders.

In his letter to the Committee, the President noted that "The John A. and Katherine G. Jackson School of Geosciences at The University of Texas at Austin is the beneficiary of a very large gift to endow the School. Income from this endowment will provide a means to build a premier program in the geosciences. In order to assist The University to develop a plan for the most effective use of the endowment income, we are establishing a Jackson School Vision Committee. It is my pleasure to invite you to serve as a member of this Committee."

The Vision Committee will meet during the fall of 2003, with a final report due to the President and University officials early in 2004. The Committee includes:

Chairman

Dr. Peter T. Flawn,
President Emeritus,
The University of Texas at Austin

Members

Professor Jesse H. Ausubel,
Director, Program for the
Human Environment,
The Rockefeller University

Dr. Thomas D. Barrow,
President, Thomson-Barrow
Corporation

Dr. J. Freeman Gilbert,
Research Professor Emeritus,
Scripps Institution of
Oceanography,
University of California
at San Diego

**The Honorable
Charles G. Groat,**
Director,
U.S. Geological Survey

Dr. John P. Grotzinger,
Schrock Professor
of Earth, Atmospheric
& Planetary Sciences,
Department of Earth,
Atmospheric, and Planetary
Sciences, Massachusetts
Institute of Technology

Dr. Heinrich D. Holland,
Harry C. Dudley Professor,
Department of Earth and
Planetary Sciences,
Harvard University

Dr. George M. Hornberger,
Ernest H. Ern Professor of
Environmental Sciences,
Department of Environmental
Sciences, University of Virginia

Dr. Pamela Matson,
Chester Naramore Dean,
School of Earth Sciences,
Stanford University

Dr. Marcia McNutt,
President and
Chief Executive Officer,
Monterrey Bay Aquarium
Research Institute

Dr. Charles R. Williamson,
Chairman of the Board and
Chief Executive Officer,
Unocal Corporation

Advisor to the Committee

Dr. Frank Press,
Washington Advisory Group
and former President,
The National
Academy of Sciences

DEDICATION

OF THE JOHN A. AND KATHERINE G. JACKSON GEOLOGICAL SCIENCES BUILDING



UT President Larry Faulkner (left) speaks with Anna Louise Graeter (middle) Jack Jackson's sister-in-law, and Jim Langham (right) at the luncheon to celebrate the Jackson Building dedication, April 25, 2003. PHOTOGRAPH BY BOB NAGY.



President Emeritus Peter Flawn (left), current UT President Larry Faulkner (middle), and Jackson School Director William Fisher (right) at the luncheon that followed the building dedication, April 25, 2003. PHOTOGRAPH BY BOB NAGY.



President Faulkner speaks at the Jackson Building dedication, April 25, 2003. PHOTOGRAPH BY BOB NAGY.

Jim Langham speaks at the Jackson Building dedication, April 25, 2003. PHOTOGRAPH BY BOB NAGY.



At 11:30 a.m. on April 25, 2003, several hundred people gathered under and near a tent on the East Mall to hear **UT President Larry R. Faulkner** officially dedicate the John A. and Katherine G. Jackson Geological Sciences Building. Brief remarks were also made by **Dr. William L. Fisher**, Director of the Jackson School, **Dr. Peter T. Flawn**, President Emeritus of The University of Texas at Austin, and **Mr. James T. Langham, Jr.** of Dallas, a long-time friend and associate of Mr. Jackson.

The dedication of the Jackson Building was made on the occasion of the 50th anniversary of the Geology Foundation and coupling of the two events was at the expressed wish of Mr. Jackson. Although his health was failing, Mr. Jackson had every intention of attending the dedication and the Foundation anniversary celebration. His death on March 21, 2003, left a major void in the affairs, but Jack's spirit abounded. It was a day he would have enjoyed.

Concluding the formal dedication, **President Faulkner** read from the plaque that is mounted at the main entrance to the Jackson Building and which is reproduced on the back cover of this *Newsletter*.

The older part of the building, first occupied in 1967, has been newly painted and refurbished. The new addition, made possible by a \$15 million gift from Mr. and Mrs. Jackson 2 years earlier, is an impressive edifice of brick, limestone, and classic red tile roof. It consists of state-of-the-art classrooms, faculty-student office and research clusters, and conference rooms. Part of the 6th floor of the new addition houses the Geology Foundation and the headquarters of the Jackson School of Geosciences. Within this suite is an office modeled after and utilizing the furniture of Mr. Jackson's Dallas office, a library that houses Mr. Jackson's professional library and geological reports on Wise County, and a display of materials from the Jackson collection.

The Jackson Building, in its entirety, consists of nearly 230,000 square feet of classrooms, offices, and laboratories and is occupied chiefly by faculty and students of the Department of Geological Sciences. It also houses the Walter Geology Library, one of the finest geological libraries in the Nation.



Jim Langham speaks at the luncheon held after the official building dedication on April 25, 2003. UT President Larry Faulkner is seated. PHOTOGRAPH BY BOB NAGY.



UT President Larry Faulkner speaks at the luncheon following the Jackson Building dedication, April 25, 2003. PHOTOGRAPH BY BOB NAGY.



Left to right: Dr. Scott Tinker, Dr. William Fisher, President Emeritus Peter Flawn, Dean of the College of Natural Sciences Mary Ann Rankin, Anna Louise Graeter, Jim Langham, and President Larry Faulkner pictured at the dedication of the John A. and Katherine G. Jackson Geological Sciences Building, April 25, 2003. PHOTOGRAPH BY DAVID M. STEPHENS.



UT President Larry Faulkner addresses the crowd at the Jackson Building dedication on April 25, 2003.



President Larry Faulkner (left) speaks with President Emeritus Peter Flawn (right) at the Jackson Building dedication, April 25, 2003. PHOTOGRAPH BY BOB NAGY.

SPECIAL FACILITIES DEDICATED

On the evening of April 24, 2003, prior to the dedication of the John A. and Katherine G. Jackson Geological Sciences Building on April 25, 2003, five special facilities in the Jackson Building were dedicated by UT President Larry R. Faulkner. After the dedication, Bill Fisher led a walking tour of the facilities.

BARROW FAMILY CONFERENCE ROOM

The newly remodeled and enlarged Barrow Family Conference Room was made possible by a generous gift from Dr. Thomas D. Barrow. The Barrow family is among the most prominent of friends to the geosciences at The University. Mr. Leonidas T. Barrow received a B.A. in geology (1921) and an M.A. in geology (1923). His wife, Laura Thomson Barrow, received a B.A. in geology (1923). Both are Distinguished Graduates of the Department. Dr. Thomas D. Barrow received an M.A. in geology (1948) and is also a Distinguished Graduate. Mr. Kenneth T. Barrow studied for the Ph.D. in the Department.

Mr. Leonidas T. Barrow was one of the principal originators of the Geology Foundation, serving on the Advisory Council from 1956 to 1963; he was elected an Honorary Life Member in 1963, and served in that role until his death in 1978. Dr. Thomas D. Barrow has been a member of the Advisory Council since 1965, served as Chairman (1965 to 1970), and was elected Honorary Life Member in 1985. Kenneth T. Barrow has served on the Advisory Council since 2000. The Barrows constitute a unique three-generation family as Advisory Council members.

DON R. BOYD AUDITORIUM

The main auditorium and lecture hall in the Jackson Geological Sciences Building was named for Mr. Don R. Boyd. Don received a B.S. in geology (1958) and was a Distinguished Graduate of the Department. He joined the Advisory Council of the Geology Foundation in 1976, served as Chairman (1980 to 1983), and was elected Honorary Life Member in 1985, serving until his death in 2000. An accomplished petroleum geologist and businessman, Mr. Boyd, with his wife, Patricia, established the Don R. and Patricia Kidd Boyd Lectureship in Petroleum Exploration, and his family has established the Don R. Boyd Endowed Fund in his memory.



Left to right: UT President Larry Faulkner, Tom Barrow, Janice Barrow, and Ken Barrow at the dedication of the Barrow Family Conference Room, April 24, 2003.



President Larry Faulkner (far left) pictured with the Boyd family at the dedication of the Don R. Boyd Auditorium on April 24, 2003. Mr. Boyd's widow, Patricia, is pictured third from the left.
PHOTOGRAPH BY BOB NAGY.



L. Decker Dawson (left) and President Larry Faulkner (right) at the dedication of the L. Decker Dawson Exploration Geophysics Training Center, April 24, 2003.

PHOTOGRAPH BY BOB NAGY.

L. DECKER DAWSON EXPLORATION GEOPHYSICS TRAINING CENTER

The L. Decker Dawson Exploration Geophysics Training Center comprises the geophysics wing of the Jackson Geological Sciences Building. Decker Dawson is a prominent geophysicist and businessman and founder of Dawson Geophysical Company in Midland. He served as elected President of the Society of Exploration Geophysicists. In recent years, Mr. Dawson has spearheaded the exploration geophysics initiative in the Jackson School and has generously supported that effort. He has been a member of the Geology Foundation Advisory Council since 1977 and has just completed his 2-year term as Chairman. He was elected to Honorary Life Membership of the Geology Foundation Advisory Council in April 2003.



Left to right: President Larry Faulkner, Carol Langham, Jim Langham, and Anna Louise Graeter at the dedication of the John A. and Katherine G. Jackson Conference Room, April 24, 2003. PHOTOGRAPH BY BOB NAGY.

JOHN A. AND KATHERINE G. JACKSON CONFERENCE ROOM

The John A. and Katherine G. Jackson Conference Room in the Jackson Geological Sciences Building is the main conference room for the Geology Foundation and Jackson School of Geosciences. Mr. Jackson and his late wife, Katherine, were long-time generous supporters of the Geology Foundation and The University, having created numerous endowments in the Foundation and providing funding for the new Jackson Geological Sciences Building. Mr. Jackson bequeathed the residual of his estate to the Foundation, constituting the largest gift in the history of The University.

Mr. Jackson was a 1940 graduate of the Department. He was a prominent geologist and oilman and discovered the giant Boonsville gas field in Wise County, Texas. He had been a member of the Geology Foundation Advisory Council since 1975 and was elected Honorary Life Member in 1998. He was a Distinguished Alumnus of The University. Mr. Jackson died in 2003.



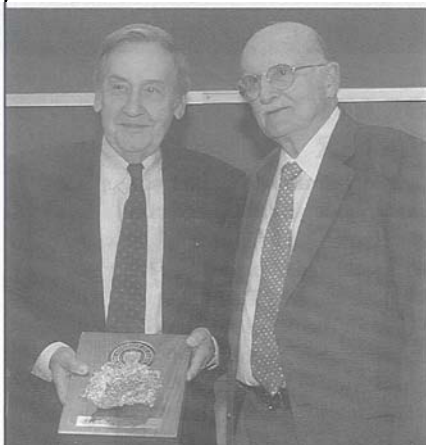
Left to right: Elizabeth Walter Keeney, Hugh Keeney, College of Natural Sciences Dean Mary Ann Rankin, and UT President Larry Faulkner at the dedication of the renovated Joseph C. Walter, Jr. and Elizabeth C. Walter Geology Library, April 24, 2003. PHOTOGRAPH BY BOB NAGY.

JOSEPH C. WALTER, JR. AND ELIZABETH C. WALTER GEOLOGY LIBRARY

Originally dedicated in 1982, the Walter Library has undergone extensive remodeling and enlargement as a part of the construction of the Jackson Geological Sciences Building, thanks to a generous gift provided by Mrs. Elizabeth C. Walter Keeney, Mr. Joseph C. (Rusty) Walter, III, and Mrs. Carole Walter Looke. The Walter Library holds 120,000 volumes, 47,000 maps, and thousands of paper and electronic journals, making it one of the best geological libraries in the Nation.

Mr. Joseph C. Walter, Jr. joined the Advisory Council of the Geology Foundation in 1975, served as Chairman from 1977 to 1980, and was elected Honorary Life Member in 1981, serving until his death in 1997. Mr. Joseph C. (Rusty) Walter, III is a current member of the Advisory Council.

Priorities in the Geosciences



William Fisher (left) presents a plaque to President Emeritus Peter Flawn (right) after his talk at the Priorities in the Geosciences Symposium, April 25, 2003
PHOTOGRAPH BY DAVID M. STEPHENS.

To commemorate the dedication of the John A. and Katherine G. Jackson Geological Sciences Building and the 50th Anniversary of the Geology Foundation, the Jackson School held a day-long special symposium in the Don R. Boyd Auditorium of the Jackson Building. An impressive array of scientists and education leaders gave their perspectives on long-term trends in the geosciences and the society in which we live.

The symposium, entitled "Priorities in the Geosciences," was chaired by Dr. William L. Fisher, Barrow Chair and School Director, with introductions by Drs. Mary Ann Rankin, Dean of the College of Natural Sciences, Gary Kocurek, Chairman of the Department of Geological Sciences, Scott W. Tinker, Director of the Bureau of Economic Geology, and Earle F. McBride, Gregory Chair and Professor, Department of Geological Sciences. Symposium speakers included:



Heinrich "Dick" Holland (left) receives a plaque from William Fisher (right) after speaking at the Priorities in the Geosciences Symposium held April 25, 2003.

Dr. Peter T. Flawn, President Emeritus, The University of Texas at Austin and Leonidas T. Barrow Chair Emeritus, on "The Geosciences and the 21st Century Environmental Canon"

The Honorable Kathie L. Olsen, Deputy Science Advisor to the President and Associate Director, Office of Science and Technology Policy, Executive Office of The President, on "Earth Science, Society, and Sustainability"

Dr. Heinrich D. Holland, Harry C. Dudley Professor, Department of Earth and Planetary Sciences, Harvard University, on "Geology - 2053"

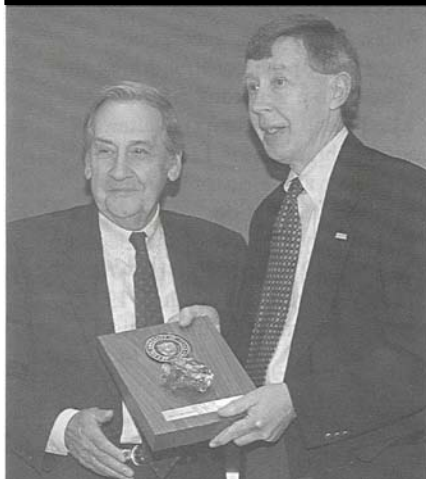
The Honorable John T. Montford, President-External Affairs, SBC Southwest, former Texas State Senator, and former Chancellor, Texas Tech University, on "The Promise of Texas: An Unfinished Agenda"

Professor Jesse H. Ausubel, Director, Program for the Human Environment, The Rockefeller University, on "Decarbonization: The Next 100 Years"

Dr. Charles R. Williamson, Chairman of the Board and Chief Executive Officer, Unocal Corporation, on "Oil and Gas Supply Side Challenges - An Exploration and Production Perspective"

The Honorable Charles G. Groat, Director, U.S. Geological Survey, on "The Geosciences in Real Time: To Ponder or Predict?"

Papers from the Symposium will be published as proceedings in the fall of 2003.



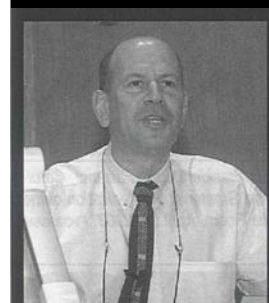
William Fisher (left) presents a plaque to Chip Groat (right) during the Priorities in the Geosciences Symposium held April 25, 2003. PHOTOGRAPH BY DAVID M. STEPHENS.



Kathie L. Olsen speaking on "Earth Science, Society and Sustainability" at the Priorities in the Geosciences Symposium, April 25, 2003.
PHOTOGRAPH BY DAVID M. STEPHENS.



John Montford speaking on "The Promise of Texas: An Unfinished Agenda" at the Priorities in the Geosciences Symposium, April 25, 2003.
PHOTOGRAPH BY DAVID M. STEPHENS.



Jesse H. Ausubel speaking on "Decarbonization: The Next 100 Years" at the Priorities in the Geosciences Symposium held April 25, 2003.
PHOTOGRAPH BY DAVID M. STEPHENS



Charles "Chuck" Williamson lectures on "Oil and Gas Supply Side Challenges - An Exploration and Production Perspective" at the Priorities in the Geosciences Symposium held April 25, 2003.
PHOTOGRAPH BY DAVID M. STEPHENS.

EXPLORATION GEOPHYSICS PROGRAM—2003 Update:

The L. Decker Dawson Exploration Geophysics Training Center

by Robert H. Tatham

The dedication of the L. Decker Dawson Exploration Geophysics Training Center in the new John A. and Katherine G. Jackson Geological Sciences Building represents a significant benchmark in the evolution of the Exploration Geophysics Initiative. The initiative, established by the Geology Foundation, continues to advance a focused program in exploration geophysics with involvement of elements of the Jackson School of Geosciences and the petroleum industry.

The "Exploration Geophysics Initiative," established by the Geology Foundation in 1998, continues to gain momentum as it has evolved into a focused program with petroleum industry involvement and a truly cooperative program within the Jackson School of Geosciences. The move into the new wing of the John A. and Katherine G. Jackson Geological Sciences Building and the L. Decker Dawson Exploration Geophysics Training Center is a significant benchmark in the evolution of the Exploration Geophysics Initiative.

The Dawson Center in the new Jackson Building consists of a suite of faculty office space that brings all the geophysics faculty, including visiting geophysicists from the UT Institute for Geophysics and the Bureau of Economic Geology, together in a cooperative working environment. A suite of student offices and student work areas provides a spectacular setting for graduate students to interact and conduct their thesis and dissertation research. The 3D seismic interpretation lab has been relocated to the new building, and access to 3D seismic data is provided to the 3D seismic interpretation lab, the student work area, and the faculty office suite.

Two faculty members, Robert H. Tatham and Robert J. Ferguson, continue to be dedicated full time to the Exploration Geophysics Program. Paul L. Stoffa continues to be actively involved with Exploration Geophysics and Senior Researchers at the UT Institute for Geophysics are actively involved in the teaching program. With the establishment of the Jackson School, cooperation with researchers at both the UT Institute for Geophysics and the Bureau of Economic Geology has increased, particularly in the area of advising graduate students.

An important aspect of the Exploration Geophysics program is the EDGER Forum at UT-Austin. The EDGER Forum (Forum for Exploration and Development Geophysics Education and Research at UT-Austin) continues to be a successful vehicle for industry involvement in the Forum. Support from industry is used to recruit and support graduate students and their research as well as some faculty research and activities that benefit all the members of the Forum—such as the annual technical symposium. The Forum focuses support on students who will ultimately be employable by industry. One technical project supported for the benefit of all members is the development of a database organizing publications of successful interpretation examples using multicomponent seismic data. This database, available on the Web, is currently being used by sponsors of the EDGER Forum. Technical support for this data includes undergraduate work-study students who will either go directly to work in the industry or continue their graduate studies in exploration geophysics.

Overall, the EDGER Forum provides an open platform for interaction between industry participants, between graduate students and the industry, and between academic groups working on common research

problems. This is in addition to industry access to students and the research results of graduate students and faculty and the other activities of the Forum.

One particular aspect of the Forum is an annual technical symposium addressing a current technical issue. The symposium provides industry feedback, cooperation with other academic institutions, and direction for graduate student research projects. This year's symposium considered "New Directions in AVQ," with active participation by about 70 scientists. Next year's symposium, set for February 16-17, 2004, at the Thompson Conference Center, will focus on interpretive successes of multicomponent seismic methods.

Earlier symposia included the kick-off for the Exploration Geophysics Program in 1999 and addressed "The Future of Exploration Geophysics: Meeting the Needs of Industry and Academia." The second considered the topic of "Seismic Estimation of Reservoir Seals," one of the least determined factors in evaluating exploration drilling risk, and the third symposium considered "New Directions in AVQ," with active participation by about 70 scientists. Next year's symposium, set for February 16-17, 2004, at the Thompson Conference Center, will focus on interpretive successes of multicomponent seismic methods.

Students continue to join the program at both the undergraduate and the graduate level. Graduate student research and summer internships with industry are a routine feature of our graduate students' experience. The Exploration Geophysics Fellowship continues to be a major incentive for recruiting new graduate students. For the 2003-2004 academic year, the fellowship was awarded to two students, Sharon Goehring from Elizabeth State University and Eric Lyons of UT-Austin. Other awardees have included Jason Gumble, a graduate of Colorado School of Mines, Matt Morris, a graduate of the University of Missouri—Rolla and Patricia Yu, of the University of California at Berkeley. This fellowship of \$20,000 plus \$2,000 for discretionary research and travel, is provided by the Geology Foundation and awarded to a first-year graduate student.

One very tangible activity in the Exploration Geophysics Program is the 3D Seismic Interpretation Lab, mentioned above. Established with Geology Foundation support and relocated to the Dawson Center in the new Jackson Geological Sciences Building, the lab consists of six state-of-the-art interpretation workstations. The focus of the lab is a high-speed (1 gigabyte per second) storage area network attached to a server with a full terabyte of storage. This allows students nearly instantaneous access to numerous 3D seismic data sets from any one of the interpretive workstations.

The lab not only supports students studying exploration geophysics but also is open to all soft-rock geology students. Essentially all petroleum geologists will, at some point in their careers, find themselves in front of an interactive workstation examining 3D seismic data. This lab is designed to support those students. In fact, most of the students routinely working in the lab are petroleum geology students utilizing 3D seismic data in their thesis research. We anticipate that this trend will continue, and this laboratory will ultimately include petroleum engineering students as well. Such integration of disciplines working with 3D seismic data is consistent with the industry trend of employing multidisciplinary work teams in nearly all aspects of exploration and development.

The move to the new wing of the Jackson Building and the dedication of the Dawson Center truly represent milestones in the development of the Exploration Geophysics program at UT-Austin. As new students join the program, and as cooperative research within the Jackson School and with the petroleum industry continues, the program will continue to grow.

Dawson Inducted into Hall of Honor

On April 10, 2003, Mr. L. Decker Dawson, Chairman of the Geology Foundation Advisory Council, was inducted into the College of Natural Sciences Hall of Honor. Decker was recognized for his contributions to the profession and business of exploration geophysics, for his contributions to the Geology Foundation, and for his championing of the exploration geophysics initiative in the Jackson School.

Decker joins previous geoscientists Thomas D. Barrow, John F. Bookout, Jr., Don R. Boyd, Robert E. Boyer, Roland K. Blumberg, Peter T. Flawn, William E. Gipson, John A. Jackson, James R. Moffett, and Joseph C. Walter, Jr. in the Hall of Honor. All except Roland are or were current or former members of the Geology Foundation Advisory Council.

Fisher Recognized

William L. Fisher, Leonidas T. Barrow Chair in Mineral Resources, Director of the Jackson School of Geosciences, and Director of the Geology Foundation, received several awards during the year.

On September 18, 2002, Fisher was presented a Presidential Citation by President Larry R. Faulkner. Also receiving the citation at the ceremony in Raney Hall was George A. Kozmetsky, former Dean of the McCombs School of Business, and H. Bryce Jordan, former President of UT Austin and Pennsylvania State University.

The Presidential Citation program was revived by President Faulkner 2 years ago to recognize the extraordinary contributions of individuals who personify The University's commitment to the task of transforming lives. The University does not award honorary degrees, and these citations are designed to salute people whose service exemplifies the values shared by The University community. The citation reflects a distinguished career and service to The University of Texas at Austin that has made a profound and positive difference in the achievement of The University's mission.

Previous recipients include Peter T. Flawn, John J. McKetta, Jr., Harry J. Middleton, Elspeth D. Rostow, and Larry E. Temple.

At the December 2002 graduation ceremony in Golden, Colorado, Bill Fisher received an honorary doctorate in engineering (D. Eng.) from the Colorado School of Mines for his "extraordinary contributions in resources assessment, energy research and development policy, and environmental resources."

In October 2002, at the annual meeting of the Gulf Coast Association of Geological Societies in Austin, Fisher was awarded the Don R. Boyd Medal for Excellence in Gulf

Coast Geology. The Medal was established to honor Don R. Boyd, Honorary Life Member and Past Chairman of the Geology Foundation Advisory Council. It is the highest honor of GCAGS and is awarded for excellence in Gulf Coast geological research, professional leadership, and oil and gas exploration.

The American Geological Institute has announced the establishment of the William L. Fisher Congressional Geoscience Fellowship. Although more than 30 scientific and engineering societies sponsor congressional fellows, this is the first endowed fellowship. A goal of \$2 million is set, 75 percent of which has already been realized. The endowment "commemorates Fisher's important geoscience contributions and the key role he has played in the development of geopoly decisions at the national level."

On February 15, 2003, at the annual meeting of the American Association for the Advancement of Science, Bill Fisher was elected Fellow of the Association for "distinguished, unselfish service in geology as teacher, researcher, advisor, councilor, board member, and officer of regional and national academic institutions, agencies, societies, and academies."

In November of 2002, Fisher was named a lifetime National Associate of the National Academies, "In recognition of extraordinary service to the National Academies in its role as advisor to the Nation in matters of science, engineering, and health." Over the years Fisher has served on numerous committees, boards, and commissions of the National Research Council, including Chair of the Board on Mineral and Energy Resources and Chair of the Board on Earth Sciences and Resources. He was elected to the National Academy of Engineering in 1994, and served as Chair of Section II in 2001-2002.

T-Rex Arrives at UT

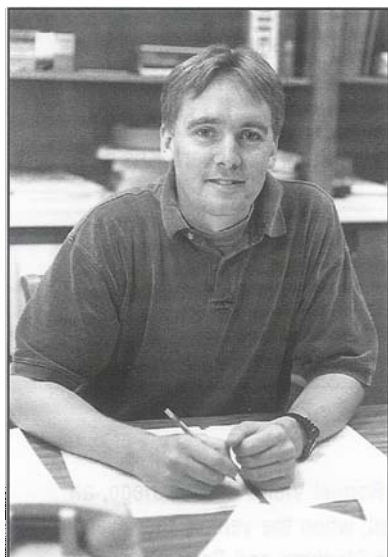
This is the 3-axis Vibroseis "T-Rex," delivered to UT during the Fall semester of 2002. It is the centerpiece of an NSF-sponsored national facility being developed by geophysics faculty member Clark Wilson and Civil Engineering faculty Ken Stokoe and Ellen Rathje. T-Rex, and other instruments, will constitute a field system for near-surface seismic wave studies. When complete in the Fall of 2004, the \$3 million facility will be used for geophysics and engineering research in field areas in Texas and throughout the United States.



The 3-axis Vibroseis "T-Rex" being delivered, Fall 2002.
PHOTOGRAPH PROVIDED BY CLARK WILSON.

James N. Connelly Receives Knebel Award

by Robert H. Tatham



James N. "Jim" Connelly

Jim Connelly is this year's winner of the G. Moses and Carolyn G. Knebel Distinguished Teaching Award in the Department of Geological Sciences. This award for outstanding teaching comes with a \$1,500 check from the Geology Foundation and a framed plaque. The winner is selected each spring by a vote of undergraduate and graduate students in the Department of Geological Sciences, the only Department award chosen in this manner. Jim's recognition as an outstanding teacher by the students themselves is nothing new—he was honored as the recipient of the Knebel Award in both 1996 and 2001.

Dr. Connelly joined the Department of Geological Sciences in the fall of 1994 as an Assistant Professor, and advanced to Associate Professor in 1999. Before joining The University of Texas at Austin, Jim served 2 years as a post-doctoral researcher at Memorial University in St. John's, Newfoundland. He completed his Ph.D. at Memorial University in 1991.

Born in Saskatoon, Saskatchewan, Jim completed his B.S. in Geology at Carleton University in Ottawa, Ontario, in 1983 and his M.S. at Queen's University, Kingston, Ontario in 1986. Following his M.S. studies, Jim served for 2 years as a Project Geologist at the Geological Survey Branch of the Newfoundland Department of Mines and Energy before commencing his Ph.D. studies at Memorial University in 1988.

Jim has been a regular teacher of the undergraduate Physical Geology (GEO 401) course, which rarely has enrollment of less than 100 students.

This course both includes geology undergraduate majors and serves as a general science requirement for many other UT undergrads. Some of these general science students do become geology majors, a tribute to Jim's dedication in teaching this course. Jim has also been a regular teacher in the 6-week geology field camp (GEO 660) required of undergraduate geology majors. This course places the professor in continuous daily contact with the students. Jim's enthusiasm for teaching and the students has certainly been an asset to the students' education.

At the graduate level, Dr. Connelly regularly teaches Isotope Geology (GEO 388L) and directs graduate student research in isotope geology and geochemistry. Jim's research is focused on isotopic analysis of older rocks, especially Precambrian rocks, from around the world, including Antarctica, Chile/Peru, northern Labrador, Sweden, and west Greenland. His analyses are particularly focused on geochronology and age-dating ancient rocks.

Jim also operates the U-PB geochronology laboratory at The University of Texas at Austin, a world-class facility used by Jim, his students, and other researchers working on age dating Precambrian rocks. This lab serves as a focus for his teaching of graduate students and provides a context for his superb undergraduate teaching.

We are pleased to enjoy Jim Connelly's presence as part of our faculty and to honor the students' recognition (for the third time) of Jim's teaching contributions to the Department of Geological Sciences through the Knebel Distinguished Teaching Award.



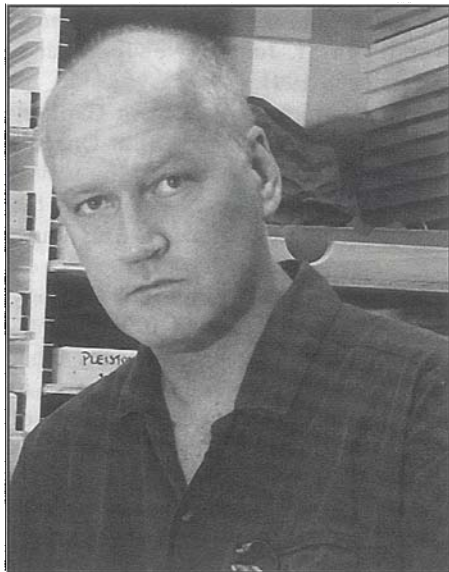
Gus K. Eifler. PHOTOGRAPH PROVIDED BY EARLE McBRIDE.

In Memoriam:

GUS K. EIFLER

Gus K. Eifler, Jr. passed away April 18, 2003, in Austin, Texas, at the age of 95. He was born in Taylor, Texas, on February 14, 1908. Gus moved to Austin when he was a child, graduating from Austin High School in 1925. He received his B.A. in geology in 1929 and his M.A. in 1930 from the University of Texas. He was a member of Sigma Gamma Epsilon, Phi Beta Kappa, Sigma Xi, and Pi Kappa Alpha fraternity. He served in the United States Air Force during World War II as a Captain. He was considered an expert on the Norden Bomb Site and was a bombing instructor. He received his Ph.D. in geology from Yale University in 1941, where he was also a teaching fellow. He was a professor of geology at The University of Texas for many years, until he left to begin a private geological consulting firm. He later worked for the Bureau of Economic Geology, and contributed to the *Geologic Atlas of Texas*. He held memberships

in AAPG, the Geological Society of America, and the American Geophysical Union. His other memberships included the Headliner's Club, the Coronet Club of Austin, and the Bachelor's Club of Austin, where he served as president. He was also a member of the First Baptist Church and a charter member of the Men's Sunday School class. He is survived by his sons Clayton and wife Lynane; and Gus and wife Jane; and by grandchildren Campbell, Kevin and wife Cathryn, Robert, Kris and Sean; and great-grandchild Kaycie.



Robert K. "Bob" Goldhammer

In Memoriam:

ROBERT K. "BOB" GOLDHAMMER

Dr. Robert K. Goldhammer died along with Raquel Vieira de Savariego, an undergraduate exchange student from Brazil, when the vehicle they were riding in overturned on Interstate 10 between Fort Stockton and Balmorhea. Two students and a Teaching Assistant who were injured are recovering.

Professor Goldhammer, an Assistant Instructor, 3 Teaching Assistants, and 23 undergraduate students were headed to their first night stop near El Paso. Bob was going to teach the first 8 days of exercises of GEO 660, the 6-week summer field geology course, which is held in West Texas and New Mexico before heading to locations farther north.

Bob Goldhammer received a B.S. in Geology from Colgate in 1979, an M.S. in Geology from the University of Oklahoma in 1982, and a Ph.D. from Johns Hopkins University in 1987. His dissertation involved extensive field work in the Middle Triassic carbonate platform of northern Italy. This work led to two milestone papers on glacioeustatic controls on cyclic carbonate sedimentation.

Bob was first employed as a Research Geologist in stratigraphic prediction at Shell Development from 1987 to 1988. He generated a novel sequence stratigraphic analysis of the Permian Basin. He moved to Exxon Production Research, where from 1988 to 1995 he was a specialist in carbonate facies and sequence stratigraphy. His research projects at Exxon took him to

Turkey, Texas, Oklahoma, the Canadian Rockies, Colorado, Belize, the Persian Gulf, Utah, New Mexico, Nevada, France, Alaska, Mexico, Guatemala, and Papua New Guinea. He was a lead instructor in the famous Exxon Training School, with legendary field courses in West Texas, northeast Mexico, and the Bahamas.

From 1995 to 1996, he was a Research Scientist at the UT Bureau of Economic Geology, where he worked on Andean foreland basins in Argentina. He left UT to become a consulting geologist on hydrocarbon plays in Mesozoic carbonate sections around the world. From 1996 to 1998, his list of clients was long. His consulting work usually included seminars and workshops on carbonate sequence stratigraphy. Bob joined one of his clients, Texaco International Exploration, as an explorationist from 1998 to 2000. His primary assignment was a regional synthesis of offshore Angola and Congo. In this position, he integrated a massive amount of regional seismic and well data with gravity and magnetic surveys to show the dynamic interplay of sedimentation and salt tectonism since the Cretaceous.

Most of Bob Goldhammer's voluminous work in industry is unpublished, but he did find ways to present some of his ideas. He was quick to share credit and had an army of colleagues in both industry and academia who were his co-authors. R. K. Goldhammer was the lead author on 12 major papers and co-author on 8 others. A 1993 paper in the *Journal of Sedimentary Research* on cyclic sedimentation in the Ordovician of West Texas was selected for the "Outstanding Paper Award" from SEPM.

Bob was an unusually active participant at professional meetings. He organized symposia and gave more than 50 presentations, mostly at AAPG events. In 1997, he received the "Outstanding Poster Award" at the national AAPG meeting for a presentation on carbonate sedimentation during ice-house and green-house conditions. Bob was a dynamic lecturer, and AAPG selected him as a Distinguished Lecturer for 1994-95. By 2000, he had given invited scientific lectures at 26 institutions. He was the leader or co-leader of 10 field trips to Italy, West Texas, and northeast Mexico for professional societies, and he led 4 field trips for industry groups.

Bob joined UT's Department of Geological Sciences as an Assistant Professor in January 2001. At the undergraduate level he taught the carbonate half of GEO 416M, Sedimentary Rocks, a core class required for all undergraduate majors. He also taught GEO 660, Geological Field Camp, in 2001 and 2002 and was heading out with the group in 2003 when he died. At the graduate level, he taught two courses: Carbonate Petrography, Facies and Diagenesis in the Fall semester and Carbonate and Evaporite Stratigraphy in the Spring semester. For both classes he personally presided over a Friday afternoon laboratory that lasted for hours. This lab was centered on a large collection of rock samples, polished slabs, and thin sections that he had assembled from around the world and on exercises he had created during his years teaching short courses in industry.

Bob Goldhammer received rave teaching evaluations for his undergraduate courses. Many undergraduates simply wrote, "Great job," "Great teacher," or "Awesome teacher," on their evaluations. At the graduate level the praise was even greater. Students wrote, "This class is the best I've ever had. I was lucky to have such a great teacher," and "Goldhammer's classes have been by far the most valuable and enlightening of my educational career," and "This class was easily the best class I've ever taken in my whole geology education."

At the end of his first full year of teaching Bob Goldhammer won the Knebel Teaching Award, an award based solely upon a vote of the students. He won the College of Natural Sciences Outstanding Teaching Award, which is based upon class evaluations and nomination by the Chairman at the end of this, his second full year of teaching.

After joining the faculty, Bob created an industry-supported consortium to which six companies had subscribed and two others were about to join. He called the endeavor "Mesozoic Margins," and the program had four themes. Major field projects with students were underway in Mexico on the interplay of salt movement with sedimentation in the La Popa Basin and the effect of carbonate-evaporite layering on the structural evolution of the Sierra Madre foldbelt. More general projects were underway on stratigraphic controls on fractured reservoirs and structural controls on stratigraphic architecture.

In the last 2 years, Bob published one major research paper and had another one in review. He wrote two of the major chapters in the *Encyclopedia of Sediments and Sedimentary Rocks* that is due to be released later in 2003. He gave 11 invited lectures to professional organizations and was author or co-author of 18 presentations at meetings, 6 of which were with his students. Those who saw Bob at the 2003 annual meeting of the AAPG in Salt Lake City report that his three talks on different subjects were outstanding, and the posters with four of his students each drew large crowds.

During his short time at the University, Bob led students on four field trips to Mexico, two to the Arbuckles in Oklahoma, one to West Texas, and one to Italy. He also arranged for students to go to see modern carbonate sedimentation in Belize. He worked

very closely with an exceptional group of graduate students. Barbara Tillotson and Tina Foster completed their M.S. theses under Bob's supervision. Matt Davis, Jose Delgado, Matt Campbell, and John Hooker have M.S. theses in progress. Rob Forkner, Younis Altobi, and Ned Frost are Ph.D. candidates in progress. Faculty and friends of Bob have pledged to help these students complete their work.

At the Memorial Ceremony held May 31 on the UT campus in Bob and Raquel's honor, more than 300 people attended. Friends and students of Bob recounted his exploits. Many recalled his vitality, keen wit, and humor. He had a special ability to motivate people and was a gifted guitar player. He is remembered as a teacher – the geologist's geologist.

Bob Goldhammer leaves behind his beloved wife of 10 years, Ursula "Uschi" Hammes, a fellow geologist he met while leading a field trip in The Dolomites, Italy; a daughter, Nora, 4; and a son, Max, 1.

In Memoriam:

MARY E. "PEG" GREGORY

Mary E. "Peg" Gregory died September 13, 2002, in San Angelo, Texas, at the age of 95. She was born on February 18, 1907, in San Angelo. She graduated from the University of Texas and attended art school in New York City. She returned to San Angelo and assumed responsibility for her family's business, Concho Drug Company, a chain of five area drug stores. She married J. Nalle Gregory in 1952. She was a member of the Wells Fargo Leading Ladies and the Twentieth Century Club, and both she and her husband were long-time supporters of the University of Texas and the Texas Exes Alumni Association. She also enjoyed playing bridge and traveling. They had no children.



Raquel Vieira de Savariego.
PHOTO PROVIDED BY JAMES CONNELLY.

In Memoriam:

RAQUEL VIEIRA DE SAVARIEGO

Raquel Vieira de Savariego died May 26, 2003, in a highway accident west of Fort Stockton, Texas, en route to begin our annual 6-week geology field course. She was traveling with her classmates and teaching staff, which included Dr. Robert (Bob) Goldhammer, to participate in this much-anticipated, keystone course. Bob was also killed in the accident.

Raquel was born on July 3, 1977, in Brazil, where she attended the Mackenzie American High School and the Institutes of Mathematics and Statistics and of Astronomy, Geophysics and Meteorology, both at the University São Paulo. She was working on her Bachelor's degree in Geophysics when she was selected to spend the Spring 2003 term at The University of Texas at Austin as an exchange student. Before coming to Austin, she helped fellow students with computing and worked for a term at the Institute of Energy and Nuclear Research using isotopic tracers in the treatment of polluted water.

Raquel loved to travel, see new places, and meet new people. It was this spirit that brought her to Austin to broaden her academic experiences in geophysics, sedimentology, petroleum geology, hydrology, and groundwater geology. Although Raquel was in Austin only one term, it was clear from those who spoke at a Memorial Service for Raquel and Bob that she had made many good friends during her time here. She also impressed our faculty with her genuine enthusiasm for learning and discovery.

She is survived by her parents, Nilton Savariego and Sonia Vieira de Savariego, her two sisters Ana Claudia Savariego Cox and Laura Vieira de Savariego, and their husbands Steve Cox and Danial Sinoco.

Raquel will be missed by all who knew her.



Birdena Schroeder. PHOTOGRAPH PROVIDED BY DAVID M. STEPHENS.

In Memoriam:

BIRDENA TITTERINGTON SCHROEDER

By Joyce Best, Betty Kurtz, and Amanda Masterson

Birdena Titterington Schroeder died on May 7, 2003, after a long and courageous battle with breast cancer. She was preceded in death by her husband, Clarence C. Schroeder.

She is survived by her devoted son, Scott Schroeder, of Austin; her sister, Isabel Hannemann, of El Reno, Oklahoma; her brother, Richard Eldon Titterington, of Yukon, Oklahoma; extended family members, and a host of friends and colleagues. She will be greatly missed.

Born in El Reno, Oklahoma, Birdena moved to Austin in 1959 and married Clarence C. Schroeder. A long-time University of Texas employee, Birdena worked in the Development Office for a year and then in the Department of Geological Sciences for 22 years, retiring as Executive Assistant in 1982.

No one who spent time in the Department during the years Birdena was there will forget her. She was always a champion of the students, helping geology students by giving them priority status for Department jobs rather than hiring from outside the Department. Students and faculty alike were recipients of her generous and caring spirit. There were many times when Birdena was an immediate responder during times of personal or family crisis for faculty, staff, and students. She had the gift of being able to mobilize resources and assistance quickly when necessary, and frequently used that gift to assist anyone in need.

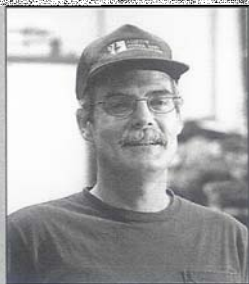
Many former employees of the Department who were hired and trained by Birdena remember her as a wonderful mentor and friend who was generous with her knowledge and experience. Years later, many of the people she hired acknowledge that she was the person who taught them the skills needed to succeed in the workplace. Stories abound about how Birdena motivated staff members and coordinated work efforts so that the job always got done without computers!

In recent years Birdena was Executive Secretary of the Gulf Coast Association of Geological Societies (GCAGS) and co-owner with Bob Boyer of Earth Enterprises, Inc. She traveled extensively to GCAGS conventions, attending meetings and overseeing sales and distribution of geological society publications. In 1996 GCAGS recognized her tireless work by presenting her with a Special Commendation Award, and in 2002, the GCAGS Transactions volume was dedicated to her and Bob Boyer jointly for their devoted work for GCAGS and the Austin Geological Society. To many people, Birdena was GCAGS.

Birdena had many friends outside of geological circles as well. She was a faithful member of St. Paul Lutheran Church in Austin, and was greatly involved over the years in many facets of church life. Birdena's other volunteer activities included being an election judge for Precinct 406 of the Democratic Party and serving in various capacities in the Texas Extension Homemakers' Association (TEHA), the Travis County 4-H program, and Austin Independent School District Partners in Education.

A gifted storyteller, Birdena delighted in telling tales of her adventures at home and abroad. She loved to travel and greatly enjoyed her weeks-long trip with Scott to Australia and New Zealand. She treasured her friends and geological colleagues, and she always had a smile and a story. Her contributions to the Department of Geological Sciences at UT and to her many friends and associates will always be a testimony to an unforgettable friend.

Staff Awards and Honors



Roger Gary



Larry Mack



Kitty Milliken



William 'Bill' Woods

Roger Gary, Technical Assistant III, received the Distinguished Service Award at the Department Awards Ceremony held May 1, 2003, in the Don R. Boyd Auditorium. The award is given by the Department for the most outstanding contribution to the facilities or operations of the Department throughout the previous year. The winner is evaluated based on nominations from faculty, staff, and students, and is chosen by the Geology Foundation Executive Committee. Roger is not only in charge of the fleet of field vehicles, he is both the Department machinist and woodworker.

Joseph Lucas, Facilities Maintenance Manager, and **George Cogswell**, Professional Librarian in the General Libraries, both received the Thelma Lynn Guion Geology Library Staff Award. This award is given to recognize excellent performance by staff members of the Joseph C. Walter, Jr. and Elizabeth C. Walter Geology Library.

We would also like to congratulate **Larry Mack** and **Kitty Milliken**, both of whom received The University of Texas at Austin Service Award for 15 years of service; and **William "Bill" Woods**, who received his Service Award for 25 years of service. They were all recognized at the Department Awards Ceremony on May 1, 2003, where they received a certificate for the number of years of their UT service.



George Cogswell (right) receives the Thelma Lynn Guion Geology Library Staff Award from Dennis Trombatore (left).



Dennis Trombatore (left) presents Joseph Lucas (right) with the Thelma Lynn Guion Geology Library Staff Award.

Endowed Lecturers

Fall 2002

John Grotzinger

Department of Earth, Atmospheric,
and Planetary Sciences
Massachusetts Institute of Technology
Cambridge, Massachusetts
*Don R. and Patricia Kidd Boyd
Lectureship in Petroleum Exploration*
"Is the HUQF Petroleum System in
South Oman Related to Extinction at
the Precambrian-Cambrian Boundary?"
December 6, 2002

Warren Hamilton

Department of Geophysics
Colorado School of Mines
Golden, Colorado
*Edwin Allday Lectureship in
Geological Sciences*
"An Alternative Earth:
The Closed Upper Mantle
Circulation of Plate Tectonics"
November 19, 2002
"Early Earth"
November 20, 2002
"Modes of Extension
of Continental Crust"
November 21, 2002

Craig Simmons

School of Chemistry,
Physics and Earth Sciences
Flinders University
Adelaide, Australia
*Fred L. and Frances J. Oliver Lectureship
in Texas Hydrology and Water Resources*
"Variable Density in Groundwater
Flow: Approaches, Resolutions
and Future Challenges"
October 3, 2002



John
Grotzinger.
PHOTOGRAPH
BY JEFFREY
HOROWITZ.



Warren B.
Hamilton

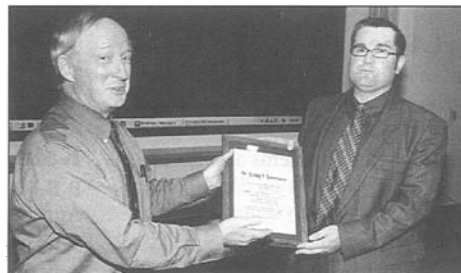
SPRING 2003

Knut Bjorlykke

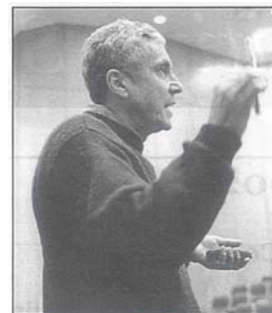
Department of Geology
University of Oslo
Oslo, Norway
*Don R. and Patricia Kidd Boyd
Lectureship in Petroleum Exploration*
"Sandstone Diagenesis and Reservoir
Quality – Examples from the North Sea
and Haltenbanken, Offshore Norway:
Part 1"
March 24, 2003
"Sediment Compaction and Fluid Flow in
Sedimentary Basins – Experimental Data,
Observations, and Modeling"
March 25, 2003
"Relationships between Diagenesis and
Soil/rock Mechanics in Sedimentary Basins
– Consequences for the Distribution of
Stress, Fluid Flow and Seismic Velocities"
March 26, 2003
"Sandstone Diagenesis and Reservoir
Quality – Examples from the North Sea
and Haltenbanken, Offshore Norway: Part 2"
March 27, 2003

Christopher Newhall

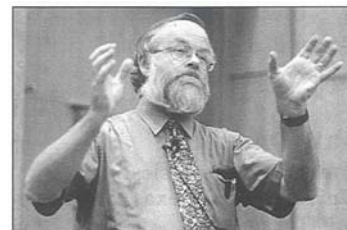
U.S. Geological Survey
Seattle, Washington
*Judd H. and Cynthia Oualline Centennial
Lectureship in Geological Sciences*
"Rifting and Eruptions in the
Lake Kivu-Virunga Area,
January 2002 to Present"
April 1, 2003
"Unrest at Iwo-Jima Caldera, Volcano
Islands, Japan: Why No Eruption (Yet)?"
April 1, 2003
"A Long-Dormant Volcano Awakens:
The Case of Mount Pinatubo, Philippines"
April 2, 2003
"Muddy Aftermath of the Pinatubo
Eruption: Record-Setting Erosion
and Sediment Yields"
April 3, 2003



Craig Simmons (right) accepts a certificate from John Sharp (left).



Fred Read



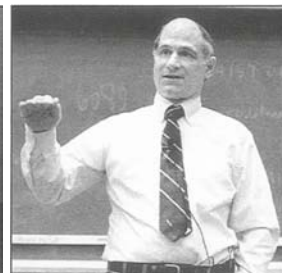
Christopher
Newhall

Arthur Palmer

Department of Earth Sciences
State University of New York
at Oneonta
Oneonta, New York
*Fred L. and Frances J. Oliver Lectureship
in Texas Hydrology and Water Resources*
"Origin and Morphology of
Limestone Caves"
January 16, 2003
"Hydrogeology of Karst Terrains"
January 17, 2003

Fred Read

Department of Geological Sciences
Virginia Polytechnic Institute
Blacksburg, Virginia
*Judd H. and Cynthia Oualline Centennial
Lectureship in Geological Sciences*
"Phanerozoic Sequence Stratigraphic
Signature of Global Greenhouse,
Transitional and Icehouse Worlds as
Recorded in Carbonate Platforms"
January 27, 2003
"Low Latitude Sequence Development
During Transition into Carboniferous
Icehouse"
January 28, 2003



Arthur Palmer



Knut Bjorlykke

Visiting Speakers

Fall 2002

William Cochran

Department of Astronomy
The University of Texas at Austin
Austin, Texas

"Extra-solar Planetary Systems"

November 15, 2002

Nathan Daczko

Institute for Geophysics
The University of Texas at Austin
Austin, Texas

"Introduction to Macquarie Island:
People, Penguins and Plate Boundaries"

September 25, 2002

Gregor Eberli

Rosenstiel School of Marine
and Atmospheric Science
University of Miami
Miami, Florida

"Worn-out Paradigms in
Carbonate Geology"

November 14, 2002

John W. Holt

Institute for Geophysics
The University of Texas at Austin
Austin, Texas

"Airborne Geophysics at UT:
From Antarctica to Texas via Mars"

October 11, 2002

William Holt

Department of Geosciences
State University of New York
at Stony Brook

Stony Brook, New York

"Continental Dynamics:
What Have We Learned from
Space Geodesy and Seismology?"

October 22, 2002

"Central Asia: Continuum
of Block Tectonics?"

October 23, 2002

Susan Hovorka

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas

"Recharge to the BFZ Edwards Aquifer –
The Issues and the Unknowns"

September 6, 2002

Brent Iverson

Department of Chemistry
and Biochemistry
The University of Texas at Austin
Austin, Texas

"Biological Weapons and Bioterrorism"

September 13, 2002

Timothy F. Lawton

Department of Geological Sciences
New Mexico State University
Las Cruces, New Mexico

"Phanerozoic Assembly and
Tectonic Evolution of Mexico"

October 14, 2002

"Of Welds and Halokinetic
Sequences: Salt Tectonics
of the La Popa Basin, Mexico"

October 15, 2002

Adrian Lenardic

Earth Science Department
Rice University
Houston, Texas

"The Essence of a Craton"

October 31, 2002

Eric Matzner

MFG, Incorporated
Austin, Texas

"Ultra-violet Induced Fluorescence to
Evaluate Petroleum Hydrocarbons"

September 27, 2002

Robert Reed

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas

"Avoiding Imaging Problems associated
with Carbonate Minerals on SEM-based
Cathodoluminescence Systems"

September 16, 2002

Bridget Scanlon

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas

"Variations in Flow and Transport
in Thick Desert Vadose Zones in
Response to Paleoclimatic
Forcing (0-90 kyr)"

October 18, 2002

Beverley Shade

Department of Geology
and Geophysics
University of Minnesota
Twin Cities, Minnesota

"Sandstone Karst in East-Central
Minnesota: Morphology and
Preliminary Water Chemistry"

November 15, 2002

Brian Smith

Barton Springs Edwards
Aquifer Conservation District
Austin, Texas

"Caves to Modeling:
The Barton Springs Segment
of the Edwards Aquifer"

November 22, 2002

Manfred Strecker

Institute of Earth Sciences
University of Potsdam
Potsdam, Germany

"Seismotectonic Range Front
Segmentation and Mountain
Belt Growth along the Northern
Pamir Mountains, Kyrgyzstan
(India-Eurasia Collision Zone)"

December 5, 2002

Jess Weaver

U.S. Geological Survey
Austin, Texas

"Hydrologic Investigations and
Data Collections of the USGS"

November 1, 2002

Keith Wheeler

P.B.W. Incorporated
Austin, Texas

"Groundwater Modeling for
Advance Dewatering/Depressurization
Studies at Lignite Mines in Texas"

November 8, 2002

James Wollenben

Advanced Micromagnetics
Austin, Texas
"Advanced Applications of Micromagnetics in the Location of Hydrocarbons"
October 25, 2002

SPRING 2003**Raymond Abma**

BP
Houston, Texas
"Methods of Adaptive Subtraction"
April 17, 2003

Thomas Ahlbrandt

U.S. Geological Survey
Denver, Colorado
AAPG Distinguished Lecturer
"Assessment of Global Oil, Gas and NGL Resources based on the Total Petroleum Concept"
April 14, 2003

Jean Bahr

Department of Geology and Geophysics
University of Wisconsin at Madison
Madison, Wisconsin
"Groundwater as an Ecosystem Resource"
February 4, 2003

Patricia Bobeck

Geotechnical Translations
Austin, Texas
"Henry Darcy's Public Fountains in the City of Dijon"
February 21, 2003

Lars Borg

Department of Earth and Planetary Sciences
University of New Mexico
Albuquerque, New Mexico
"The Role of Isotopic Geochemistry Studies in NASA's Integrated Solar System Exploration Strategy: An Example from Mars"
January 28, 2003

Charles Brewster

Independent Geologist
Austin, Texas
"The Geology of the Matagorda Island, 519 Field, Offshore Texas"
February 10, 2003

Timothy Brown

Timothy L. Brown, L.L.P.
Austin, Texas
"Texas Water Laws"
February 14, 2003

Joanna Crowe

Department of Geography
Southwest Texas State University
San Marcos, Texas
"Bedforms in Mountain Streams"
February 7, 2003

Brandon Dugan

College of Earth and Mineral Sciences
Pennsylvania State University
State College, Pennsylvania
"Sedimentation, Fluid Flow, and Stability of the U.S. Mid-Atlantic Continental Slope"
March 24, 2003

Alan Dutton

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas
"Convergence between Hydropressured and Geopressured Zones of the Wilcox Group, Central Texas Gulf Coast"
February 28, 2003

Raul Esperante

Geosciences Research Institute
Loma Linda, California
"Preservation of Baleen Whales in Tuffaceous and Diatomaceous Deposits of the Pisco Formation, Southern Peru"
January 21, 2003

John Ferguson

Department of Geosciences
The University of Texas at Dallas
Dallas, Texas
"Summer of Applied Geophysical Experience"
February 27, 2003

James Gardner

Department of Geology and Geophysics
University of Alaska at Fairbanks
Fairbanks, Alaska
"Volcanoes in a Capsule: Experimental Constraints on Magma Dynamics"
February 18, 2003

Wendy Gordon

Department of Integrative Biology
The University of Texas at Austin
Austin, Texas
"Climate Change, Hydrology, and the Intercomparison of Ecological Models"
April 25, 2003

Bob Hardage

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas
"Multicomponent Seismic Technology; The Next Revolution in Our Profession"
May 1, 2003

Grant Heiken

Los Alamos National Laboratory
Los Alamos, New Mexico
"Lower Bronze Age Eruption of Thera"
April 15, 2003
"Volcanoes and Megacities"
April 15, 2003

Xavier Janson

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas
"Architecture and Seismic Expression of Miocene Carbonate Barrier-Lagoon Systems (Ermenek Platform, Turkey and Zhujang Platform, South China Sea)"
April 28, 2003

Stefan Kollet

Department of Geosciences
University of Nebraska
Lincoln, Nebraska
"Stream Depletion Predictions in Heterogeneous Stream-Aquifer Systems: Narrowing the Gap between Theory and Observation"
March 5, 2003

Jean Krecja

Department of Integrative Biology
The University of Texas at Austin
Austin, Texas
"The Use of Troglodite (Aquifer Adapted Organism) DNA to Determine the Evolution (Isolation or Connection) of Groundwater Flow Systems"
April 11, 2003

John Lassiter

Max-Planck-Institut für Chemie
Mainz, Germany

"Evidence for Recycled Crust in Mantle
Plumes and the Effect of Recycled Crust
on the Earth's Chemical Mass Balance:
Do We Really Need a Layered Mantle?"

February 27, 2003

Jerry Lucia

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas

"Young Carbonate Fabrics, Lithification,
Porosity, and Permeability"

March 17, 2003

John McCray

Department of Geology and
Geological Engineering
Colorado School of Mines
Golden, Colorado

"Modeling Contaminant Transport
from Site to Regional Scales: Fate of
Household Wastewater Pollutants in
the Blue River Watershed, Colorado"

March 27, 2003

Paul Murray

Bureau of Economic Geology
The University of Texas at Austin
Austin, Texas

"Interpreting Multicomponent
Seismic Data in the Gulf of Mexico
for Shallow Sedimentary Properties:
A Case History and Methodology"

April 3, 2003

Lincoln Pratson

Nicholas School of the
Environment and Earth Sciences
Duke University
Durham, North Carolina

"Massive Sands, 'Sandwich' Deposits,
and Transitional Flows between
Debris Flows and Turbidity Currents:
Preliminary Results from an Experimental
Study"

April 4, 2003

Joseph Pyle

Department of Earth and
Environmental Sciences
Rensselaer Polytechnic Institute
Troy, New York

"Confessions of an Accessory Mineral
Assemblage: Refining Metamorphic
Growth Histories with Multi-method
Investigation of Monazite and Xenotime"

February 25, 2003

Peter Rose

Rose and Associates, L.L.P.
Houston, Texas
"Ethics in the Petroleum
Industry"

February 12, 2003

Alison Rust

Department of Geological Sciences
University of Oregon
Eugene, Oregon

"Flow and Degassing in
Volcanic Conduits"

January 21, 2003

Paul Sava

Geophysics Department
Stanford University
Stanford, California

"Wave-Equation Velocity Analysis"

March 20, 2003

Mrinal Sen

Institute for Geophysics
The University of Texas at Austin
Austin, Texas

"AVO in Fractured and
Anisotropic Media"

February 13, 2003

Carlos Torres-Verdin

Department of Petroleum
Engineering
The University of Texas at Austin
Austin, Texas

"Joint Stochastic Inversion of
Well Logs and 3D Seismic Data"

May 1, 2003

Arthur Weglein

Geosciences Department
University of Houston
Houston, Texas

"A Perspective on the Evolution of Pro-
cessing Seismic Primaries and Multiples
for a Complex Multidimensional Earth"

March 4, 2003



Ana York collects a large core donation from Russell Johnson. The fascinating specimen from the Edwards Formation will be used in the new exhibit at TMM.

PHOTOGRAPH PROVIDED BY ANN MOLINEUX.

SPEAKERS – Faculty and Staff in the Department of Geological Sciences

FALL 2002

Daniel S. Barker

"Cenozoic Trans-Pecos Magmatism
and Its Tectonic Setting(s)"
October 9, 2002

Christopher J. Bell

"What Were They Thinking?"
September 3, 2002

Mark P. Cloos

"Batholiths and Ore Deposits"
September 4, 2002

R. L. Folk

"Lee the Antichrist on Australian TV—
Nannobacterial Research: Australia,
Finland, and the Broken Spoke"
November 11, 2002

William E. Galloway

"Cenozoic Deep-Water Reservoir
Systems: Lessons of the Northern
Gulf of Mexico Basin"
October 7, 2002

Robert K. Goldhammer

"The Influence of Syndepositional
Salt Tectonics on Carbonate Platform
Development and Stratal Architecture"
September 9, 2002

Staci L. Loewy

"Global Pb Isotopic Signatures:
Possible Implications for
Mantle Reservoirs"
October 16, 2002

Kitty L. Milliken and Suk-Joo Choh

"The Sandstone Image Atlas Project
Explained and Demonstrated"
September 30, 2002

"Micro-scale Distribution of Kaolinite:
Implications for Mass Balance in
Sandstone Diagenesis"
November 4, 2002

William R. Muehlberger

"Remembering Apollo 17 on the
30th Anniversary of the Last Manned
Mission to the Moon"
December 4, 2002

Timothy B. Rowe

"Forensic Paleontology"
September 10, 2002

John M. Sharp

"The Edwards Aquifer – A Dry Run"
October 4, 2002
"Whiskey's for Drinking,
Water's for Fighting"
October 18, 2002

SPRING 2003

Matthew W. Colbert

"A Brief History of the Tapis:
Evolutionary Patterns and Processes"
February 11, 2003

Robert J. Ferguson

"Seismic Depth Imaging in
Heterogeneous Anisotropic Media
using Fourier Integral Operators"
February 25, 2002

Richard A. Ketcham

"Gold, Pores, Fabrics and
Porphyroblasts: New Capabilities
and Results in the CT Lab"
February 13, 2003

STUDENT SPEAKERS – TECHNICAL SESSIONS

FALL 2002

Jorge Barrios-Rivera

Ph.D. Candidate

"High resolution stratigraphic analysis from post-stack and pre-stack reflectivity data: applications to reservoir delineation in a mature gas basin"

September 24, 2002

Budiyono

M.S. Candidate

"Reservoir characterization of Forel Field, west Natuna basin, Indonesia"

September 5, 2002

Suk-Joo S. Choh

Ph.D. Candidate

"Geologic characterization of Pennsylvanian algal buildups: Constituents, guild concepts, and depositional environments"

October 10, 2002

Lance N. Christian

M.S. Candidate

"Geochemical characterization of Austin-area streams: An investigation into the effects of urbanization using strontium isotopes"

September 17, 2002

Meredith D. Guhl

M.S. Candidate

"An investigation of the origin and evolution of the Todilto Sea"

November 7, 2002

Christopher Hare

M.S. Candidate

"Analysis of fracture clustering using the continuous wavelet transform: An example from the Marble Falls Limestone"

October 24, 2002

Amy E. Hobbs

M.S. Candidate

"Sediment budget for the Barton Springs segment of the Edwards Aquifer"

November 26, 2002

Sally L. Holl

M.S. Candidate

"The sensitivity of land surface model simulations to bias reduction of radiation forcing from the ECMWF reanalysis"

September 12, 2002

Adam W. Krawiec

M.S. Candidate

"Linking the Nagssugtoqidian and Rinkian orogenies: A 1000-km-wide deep crustal collisional zone?"

November 26, 2002

Christopher R. McFarlane

Ph.D. Candidate

"Geothermometry and geochronology in a high-temperature contact aureole: Towards more accurate granulite P-T-t paths"

September 19, 2002

James B. McGuire

M.S. Candidate

"The Bryant Mining District, Beaverhead County, MT: Relating Pb-Zn-Ag mineralization with Laramide deformation, metamorphism and intrusion"

September 5, 2002

Timothy A. Meckel

Ph.D. Candidate

"Underthrusting at the Hjort Trench, Australia-Pacific plate boundary: Incipient subduction?"

November 21, 2002

Rinie Mekarsari

M.S. Candidate

"Seismic stratigraphy and geological history of Plio-Pleistocene deposits of northern Green Canyon, Gulf of Mexico"

September 17, 2002

Yong-Joon Park

Ph.D. Candidate

"Seismic lithology and depositional facies architecture in Texas Gulf Coast basin; AVO: A link between rock and seismic"

October 8, 2002

Ted E. Playton

M.S. Candidate

"Tectonic deformation of a Late Wolfcampian carbonate ramp and resulting slope deposits"

September 12, 2002

Brook C. D. Riley

Ph.D. Candidate

"Laramide exhumation and heating in southeastern Arizona: Low-temperature thermal history and implications for zircon fission track systematics"

November 12, 2002

Robert D. Rogers

Ph.D. Candidate

"Geologic constraints on the late Mesozoic tectonic evolution of the Chortis block of northern Central America"

October 1, 2002

Hasan Sarikaya

M.S. Candidate

"Forward seismic modeling as a tool for clastic reservoir architecture delineation"

November 5, 2002

Barbara A. Tillotson

M.S. Candidate

"Bed and facies scale selectivity of late-stage dolomitization: Lower Ordovician El Paso Group, Franklin Mountains, West Texas"

November 5, 2002

Chengshu Wang

Ph.D. Candidate

"Seismic waveform inversion for estimation of elastic properties of gas hydrates"

October 17, 2002

Xinxia Wu

Ph.D. Candidate

"Upper Miocene depositional history and paleogeographic evolution of the central Gulf of Mexico Basin"

December 3, 2002

SPRING 2003**William H. Asquith**

Ph.D. Candidate

"Modeling of runoff-producing rainfall hyetographs in Texas using L-moment statistics"

February 18, 2003

Amy M. Balanoff

M.S. Candidate

"Osteological description of an elephant bird (*Aepyornis*) embryo using high resolution computed tomography, with a discussion on growth rates in *Aepyornis*"

February 27, 2003

Jose F. Delgado

M.S. Candidate

"Stratigraphic evolution and facies analysis of a Paleocene reef mound: La Popa Basin, Northeast Mexico"

April 22, 2003

Christopher L. Edwards

M.S. Candidate

"An integrated evaluation of a mature Lower Miocene siliciclastic gas field incorporating 3D seismic, northwestern Gulf of Mexico shelf"

February 6, 2003

Annette S. Engel

Ph.D. Candidate

"Metabolic diversity, sulfur cycling, and the role of microorganisms to cave formation"

January 30, 2003

Ryan C. Ewing

M.S. Candidate

"From patterns to prediction: Self-organization, complexity, and the formation of dune fields"

April 29, 2003

Mochammad Fachmi

M.D. Candidate

"Quantitative seismic geomorphology of Belanak and Gabus fields, west Natuna basin, Indonesia"

April 10, 2003

Tina R. Foster

M.S. Candidate

"Lower Cretaceous carbonate platform evolution within a divergent margin setting: the Cupido Formation of NE Mexico"

March 27, 2003

Roy W. Fuller

M.S. Candidate

"Timing of metamorphism and deformation of Heimefrontfjella, East Antarctica"

March 27, 2003

Krishnavikas Gudipati

M.S. Candidate

"Interferometric SAR for long-term subsidence monitoring"

March 6, 2003

Martha A. Jaimes

M.S. Candidate

"Tectonic origin of the Cariaco basin, Venezuela"

February 27, 2003

Edward D. Lane

M.S. Candidate

"Gd/Dy ratio in garnets from the Llano Uplift in Central Texas: A single-phase geobarometer?"

April 3, 2003

Hongbo Lu

Ph.D. Candidate

"Global and local controls on depositional cyclicity: the Canterbury basin, New Zealand"

April 8, 2003

Amy A. McCole

M.S. Candidate

"An isotopic study of water sources and seasonal water uptake of the Ashe Juniper"

March 18, 2003

Julymar M. Morantes

M.S. Candidate

"Quartz cementation modeling and reservoir quality of the Cretaceous sandstones in the Carito field, north Monagas, Venezuela"

April 10, 2003

Holly A. Nance

M.S. Candidate

"The cranial osteology of the *Cordyliformes* with comments on *Angolosaurus skoogi*"

April 3, 2003

Laura I. Net

M.S. Candidate

"Diagenesis and reservoir quality of the eolian Nugget/Navajo Sandstone"

April 17, 2003

Terry L. Ramsey

Ph.D. Candidate

"Forecasting U.S. crude oil prices from 1945 to 1972"

March 20, 2003

Dennis R. Ruez

Ph.D. Candidate

"Effects of climate change on fossil mammal assemblages, with an evaluation of paleoecological methods"
February 20, 2003

Christie L. Schneider

Ph.D. Candidate

"Sea urchin surprise: Pennsylvanian Echinoid Lagerstätten from Texas"
April 24, 2003

Jason A. Stine

M.S. Candidate

"Sensitivity of AVO reflectivity in a porous medium"
March 18, 2003

Vanessa L. Svihla

M.S. Candidate

"Structural and petrographic analysis of the Big Maria Mountains, Maria fold and thrust belt, southeastern California"
April 29, 2003

Eric Tuitjer

M.S. Candidate

"Shelf margin retrogradation during the Plio-Pleistocene (*Globoquadrina altospira*) biostratigraphic interval, northern Gulf of Mexico"
April 22, 2003

Diego J. van Berkel

M.S. Candidate

"Sedimentological characterization and stratigraphic relationship between eolian and alluvial deposits: Weber Sandstone and Maroon Formation, northwestern Colorado"
March 6, 2003

Songul Yildiz

M.S. Candidate

"Sequence stratigraphy and depositional systems of Matagorda Bay, Gulf of Mexico"
April 17, 2003

OTHER TALKS BY GRADUATE STUDENTS

Fall 2002**Dennis P. Dunn**

Ph.D. Candidate

"Laramide exhumation and heating in southeastern Arizona: Low-temperature thermal history and implications for zircon fission track systematics"
November 12, 2002

Jacob Dunston

Ph.D. Candidate

"Post-Late Triassic structural emplacement of the Golconda Allochthon: Implications for Mid-Mesozoic contraction in Nevada"
September 11, 2002

Robert M. Forkner

Ph.D. Candidate

"Paleoenvironmental variability across the K-T boundary in the Alberta Foreland Basin, as interpreted from fluvial deposits and paleosols, Red Deer River, Alberta, Canada"
September 23, 2002

Leonel Gomez

Ph.D. Candidate

"Fractures galore in the Sierra Madre Oriental, Mexico"
November 27, 2002

Meredith D. Guhl

(M.S. Candidate)

and

John T. Paterson

(Ph.D. Candidate)

"Iceland: A report from the recent GSA GeoTrip"
October 2, 2002

James V. Jones

Ph.D. Candidate

"The Proterozoic record of the Sangre de Cristo and Wet Mountains, southern Colorado"
September 18, 2002

SPRING 2003**Tina R. Foster**

M.S. Candidate

"High resolution sequence stratigraphy of the Lower Cretaceous Cupido platform, Sierra Madre Oriental (northeastern Mexico)"
March 3, 2003

Astrid Makowitz

Ph.D. Candidate

"Quantification of brittle deformation in burial compaction, Frio and Mount Simon Formation Sandstones"
February 3, 2003

Jason A. Stine

M.S. Candidate

"AVO sensitivity in porous media"
February 27, 2003

Chengshu Wang

Ph.D. Candidate

"Velocity estimation of seismic data by nonlinear inversion and characterization of gas hydrate deposits offshore Oregon"
February 13, 2003

Summer Field Camp 2002* - GEO 660

Mark Helper

An eager group of 24 students departed Austin on May 20, 2002, for 6 weeks of field projects and travel through some of the most spectacular geology in the west. As in years past, the class was staffed by a diverse group of faculty who, over periods of 5 days to 4 weeks, joined the group to teach their specialties, and by an experienced group of five TAs who taught for 3- or 6-week periods.

With minor exceptions, the camp this year traveled the same route as groups of the last 5 years, beginning in West Texas and concluding with a project in southwest Montana. This year, Dr. Banner brought the group from Austin to Carlsbad, NM, where they spent three days studying the Permian geology of the Guadalupe Mountains before moving on to Alamogordo for a brief look at mixed carbonate/clastic sedimentation and bioherms in the Sacramento Mountains and dune fields at White Sands National Monument. The group continued northward as Drs. Banner and Galloway took the group to Ghost Ranch, near Abiquiu, NM, for a 2-day project that focused on aeolian sediments of the Entrada and Todilto Formations. The group then spent 5 days at Ft. Lewis College, Durango, CO, where projects with Drs. McBride and Helper examined San Juan Basin fluvial-deltaic sediments, paleosols, redbeds, Pennsylvanian cyclical deposition/tectonism, and glacial geomorphology.

A 2-day drive northward took the class through calderas of the San Juan Mountains, monoclines of the Colorado Plateau, Dinosaur National Monument, the Uinta Mountains, and several of the basins and uplifts of Wyoming before arriving at Greybull, WY, on the western flank of the Big Horn Mountains. Here, with Drs. Marrett and Helper, students spent 4 days mapping portions of Sheep Mountain and Goose Egg Anticlines and examined the thick-skinned structural style of the Big Horn Mountains on a 1-day trip through the range. A short trip to the west brought the group to Yellowstone and Grand Teton National Parks, where, while camped at Colter Bay, they examined the geology of Yellowstone caldera and the neotectonic and glacial history of the Jackson Hole region.

From the parks, the group moved northwestward for a 3-day thrust belt mapping project, based out of Western Montana College in Dillon, MT. Here students mapped complex thrust and folded thrust geometries in the Sevier Belt along the Big Hole River. Next the class traveled to Lewis and Clark Caverns State Park, near Three Forks, MT, their base for a 3-day mapping project of a displacement transfer zone in the Sevier fold-thrust belt. A single day trip led by Dr. Marrett through the Big Belt Mountains near Helena examined large- and small-scale geometries of deformation in a spectacular thrust belt cross section farther north.

Fieldwork culminated with a final project in the high Pioneer Mountains, west of Melrose, MT, that focused on the geology of the Hecla mining district, once the state's largest silver district. While primitive camping, students documented, mapped and reported on relationships among deformation, metamorphism, mineralization, plutonism, and ore genesis during a 4-day exercise with Drs. Connelly and Helper. A 3-day drive home allowed stops on the Snake River Plain near Idaho Falls, ID, and on the Colorado Plateau at Price and Arches National Monument in Utah.

Further details and photos from this and previous years' classes can be found at the 660 web site at www.geo.utexas.edu/courses/660.

*Summer Field Camp '03 was in progress when the *Newsletter* went to press, and an article about it will be in next year's *Newsletter*. The field camp was shortened to 4 weeks after the tragic accident.



Students and staff near the Cathedral Group, Grand Teton National Park, Wyoming.

ALL PHOTOGRAPHS PROVIDED BY MARK HELPER



Students return from measuring section at Sultan Creek, near Silverton, Colorado.



Mapping the "Rabbit Ear" Sheep Mountain near Greybull, Wyoming.

Field Excursion to Western Australia – GEO 381R

By Rich Kyle and Sharon Mosher

GEO 381R, Regional Studies of Mineral Resources Geology, continues to provide opportunities for graduate students to experience international fieldwork. The students spend Spring Semester studying the geology and mineral resources of a region to be visited. After introductory lectures, each student selects a topic of interest on the regional geology and resources and prepares a contribution for a guidebook. The group meets for final presentations and preparation to visit the region on which the trip has focused.

Rich Kyle and Sharon Mosher taught this year's offering that culminated in a 3-week trip to Western Australia. This fabulous trip provided an exceptional educational opportunity for 12 UT graduate students with diverse interests to study many classic geologic sites. Western Australia offers an excellent 381R destination, as it has varied geologic environments and is one of the world's major mineral producers. The Geology Foundation provided scholarships to help cover the international airfare for the students. Other costs were kept low by camping for most of the trip.

This trip represented a return visit for a trip that Sharon organized for a group of University of Western Australia graduate students and faculty 3 years ago. Annette George organized and led most of the trip, along with other UWA colleagues and local authorities. The trip began and ended in Perth and consisted of a 6,800-km clockwise traverse through a large part of Western Australia.

Following a day for travel recovery and trip organization, the caravan headed north along the Western Australia coast to Kalbarri with the first stop to look at the Ordovician Tumblagooda sandstone and its trace fossils at Red Bluff. The next day started with similar exposures along the Z-bend of the Murchison River in Kalbarri National Park, followed by a long drive to arrive near dusk at low tide at the world-famous modern stromatolites at Hamelin



GEO 381R field trip group prepared to go on the underground tour at the komatiite hosted nickel mine at Kambalda, Western Australia. PHOTOGRAPH BY SHARON MOSHER.

Pool at Shark Bay. The next morning provided an even more intimate experience with stromatolites and related sediments at Carbla Point.

After a night in Carnarvon and a dust storm along the coast, the group turned toward the interior to begin a several-day tour of the Hamersley Basin, known for its extensive banded iron formations that supply much of the world's iron for the steel industry. The origin of these unusual sedimentary rocks remains controversial but commonly is tied to the evolution of the early Earth atmosphere, hydrosphere, and biosphere. Extensive exposures of the Hamersley Group were provided by traverses near Woongarra Pool, the gorges in Karinjini National Park, and on Mt. Nameless (Jarndunmunha). The group later toured the commercial iron concentrations developed from the BIFs at BHP's Mt. Whaleback mine near Newman which produces about 80 million tonnes of iron ore per year.

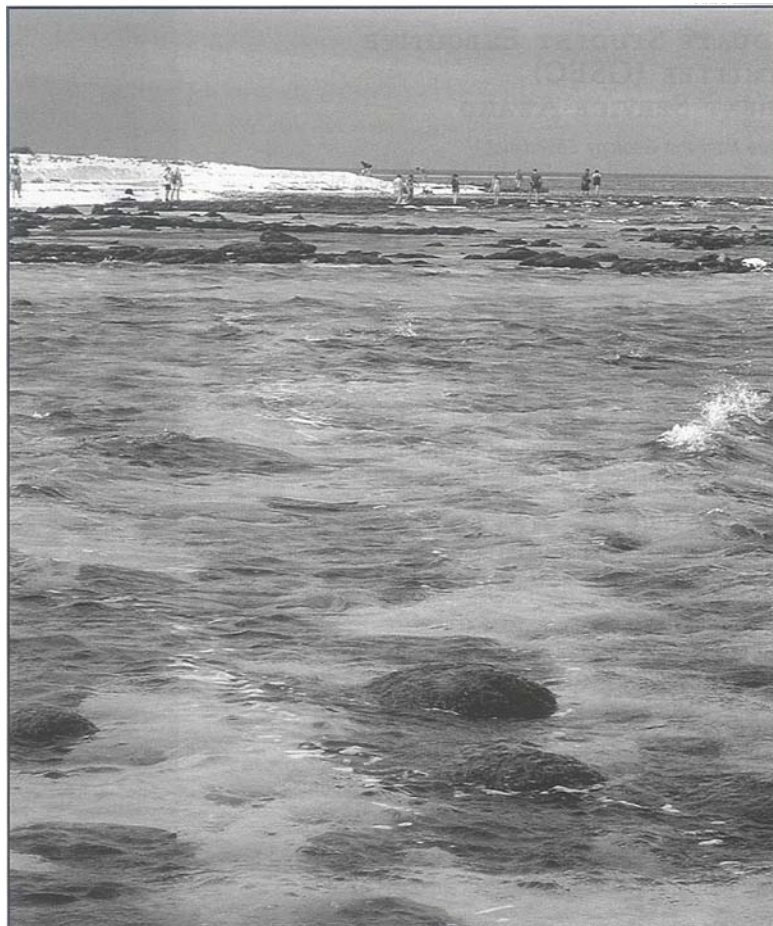
The next major site was the Marble Bar and North Pole regions of the Archean Pilbara Craton. The region represents one of the world's oldest greenstone-granite terranes with classic structural styles of particular current interest are the silica- and barite-rich chemical sediments on which much research continues in the search for early life on Earth. These include the controversial stromatolites in dolostones at the North Pole dome that are arguably the Earth's oldest biogenic structures. Martin Van Kranendonk of the Geological Survey of Western Australia and Malcolm Walter, Director of the Australian Centre for Astrobiology, and graduate students from Macquarie University shared their extensive knowledge of the geology of the region and on the early life issues. Travels through the outback on the primitive "tracks" to view these features provided considerable challenges for the rental minivan and the skills of the driver!

The group headed south to Newman, where Rich departed for the Geological Association of Canada meeting in Vancouver and Annette returned to Perth for teaching obligations. Warrick Crowe of the University of Western Australia guided the group for the remainder of the tour. The caravan continued with a long

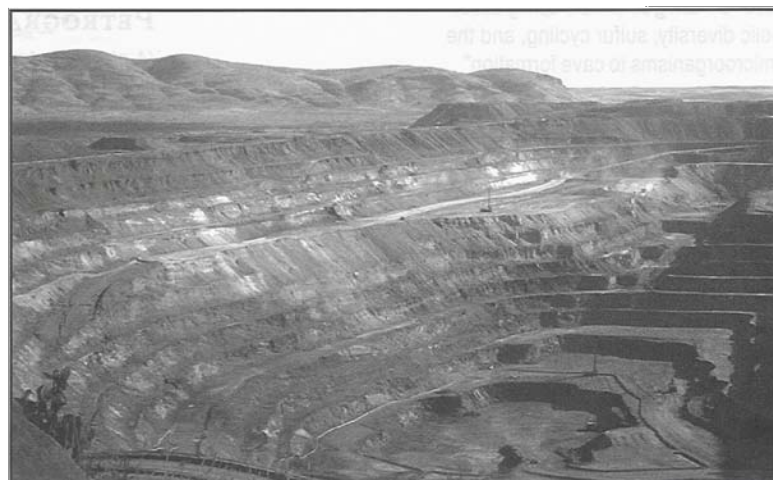
drive south to Kalgoorlie, one of the world's most famous gold mining regions within the Archean Yilgarn Craton, for a several-day visit. Kevin Cassidy of Geoscience Australia gave us an excellent overview of the Yilgarn Craton and took us on a field excursion to see the Mt. Hunt komatiite-felsic volcanic sequence; we were fortunate to have several other geologists join us, including Bruce Groenewald from the Western Australia Survey and Chris Swager from a local mining company. In contrast to the well-exposed Pilbara Craton, the Yilgarn is best exposed in the mines or drill core. We visited the gold mine superpit in Kalgoorlie and had a fascinating underground mine tour of a komatiite-hosted nickel-sulfide deposit in Kambalda. We also viewed core at the mine and at the Geological Survey of Western Australia core library. A visit to the Mining Hall of Fame was gave us a good historical perspective on mining in Western Australia.

The group next drove to the southern coast to see some superb exposures of the Grenville-age Albany-Fraser belt. Warwick Crowe led us along white sand beaches and rocky coves to spectacular structures in multiply folded pelites at Hopetown and high-grade gneisses at Bremer Bay. As we headed toward Perth along the southern coast, we visited the Greenbushes pegmatite mine, a major tantalum producer and high-grade lithium resource. On our last day we drove to Perth with a brief tourist stop at Margaret River.

The trip to Western Australia was a great geoadventure and learning experience, and we are grateful for the support of the School of Earth & Geographical Sciences at the University of Western Australia, particularly Annette George, who converted our diverse interests into a working travel plan. Discussions are already underway about destinations for the next international field excursion.



Domal stromatolites in the Shark Bay intertidal zone at Carbla Point, Western Australia. PHOTOGRAPH BY RICH KYLE.



Mt. Whaleback open pit iron mine at Newman, Western Australia. PHOTOGRAPH BY RICH KYLE.

STUDENT AWARDS AND HONORS

The following students were presented awards at the annual Department of Geological Sciences Awards Ceremony, held May 1, 2003, in the Don R. Boyd Auditorium.

GRADUATE STUDENT EXECUTIVE COMMITTEE (GSEC) STUDENT SERVICE AWARD

(A plaque from the Geology Foundation)

Selected by GSEC. Awarded for outstanding service by a Geology graduate student to the graduate student community.

Brook C. D. Riley

TECHNICAL SESSIONS BEST SPEAKER AWARDS

(A plaque and \$200 monetary award from Robbie Gries and the Geology Foundation)

Selected based on student evaluations. Awarded for superior oral presentations in Technical Sessions.

Christopher Hare (M.S., fall 2002)

"Analysis of fracture clustering using the continuous wavelet transform: An example from the Marble Falls Limestone"

Barbara A. Tillotson (M.S., fall 2002)

"Bed and facies scale selectivity of late-stage dolomitization: Lower Ordovician El Paso Group, Franklin Mountains, West Texas"

Christopher R. McFarlane (Ph.D., fall 2002)

"Geothermometry and geochronology in a high-temperature contact aureole: Towards more accurate granulite P-T-t paths"

Timothy A. Meckel (Ph.D., fall 2002)

"Underthrusting at the Hjort Trench, Australia-Pacific plate boundary: Incipient subduction?"

Holly A. Nance (Ph.D., spring 2003)

"The cranial osteology of the Cordyliformes with comments on *Angolosaurus skoogi*"

Annette S. Engel (Ph.D., spring 2003)

"Metabolic diversity, sulfur cycling, and the role of microorganisms to cave formation"

OUTSTANDING TEACHING ASSISTANT AWARD

(A plaque and \$750 monetary award from the Geology Foundation)

Selected by the Geology Foundation Executive Committee, based on faculty nominations. Awarded for outstanding performance by a teaching assistant, one in lower-division courses, one in upper-division or graduate courses.

Holly A. Nance

Fabienne Grellet-Tinner



R. L. FOLK AND E. F. MCBRIDE PETROGRAPHY AWARDS

(A plaque and a \$1000 monetary award for graduates and a \$250 monetary award for undergraduates from the Geology Foundation)

Awarded for superior performance in petrographic identification and interpretation in an annual contest.

Laura I. Net (graduate)

Wesley D. Crawford (undergraduate)

ESTWING HAMMER AWARD

Awarded annually since 1996 to an undergraduate student who has demonstrated outstanding skills in field geology, as judged by performance in GEO 420K and GEO 660. Selections are made by the field camp director and undergraduate advisor. A geologic rock pick is donated each year by the Estwing Corporation.

Johnathan R. Bumgarner

PLACEMENT OFFICE UPDATE

The 2002-2003 academic year was an eventful one for the Geological Sciences Placement Office. Ninety-six students used the services, coordinated by Miriam Pashby, in the Fall and Spring semesters. Of these 96 students, 37 were candidates for B.S. or B.A. degrees, 29 for M.S. or M.A. degrees, and 30 for the Ph.D. degree.

Fourteen organizations used the services of the Placement Office. Schlumberger interviewed in our Department during the Spring, and representatives from Amerada-Hess Corporation, Anadarko Petroleum Corporation, bp, ChevronTexaco, ConocoPhillips, ExxonMobil Exploration, ExxonMobil Production and Research, Marathon Oil, Occidental Oil, Pioneer Natural Resources, Schlumberger, Shell Oil, TotalFinaElf U.S.A., Inc., and URS Corporation visited the Department during the Fall.

A survey was taken by the Placement Office wherein 45 responses were returned out of 76 mailed for Fall recruiting. According to this survey, 16 full-time positions and 24 summer jobs/internships were offered to undergraduates and graduate students by various companies this past year. The following salaries were offered by the companies interviewing through this office:

Full-time job salaries:

B.S./B.A. -	\$3,400 - \$3,500/month
M.S./M.A. -	\$5,300 - \$5,400/month
Ph.D. -	\$6,000 - \$6,050/month

Summer job/internship salaries:

B.S./B.A. -	\$4,450/month
M.S./M.A. -	\$3,300 - \$5,270/month
Ph.D. -	\$4,250 - \$5,200/month

STUDENT OFFICERS FOR FALL 2002 AND SPRING 2003

Graduate Student Executive Committee

Chair:	Ryan C. Ewing
Vice-Chair:	Holly A. Nance
Treasurer:	Elizabeth A. Roller
Secretary:	Timothy L. Pierce
At-Large Members:	Christopher L. Edwards
	Brook C. D. Riley
	Dennis R. Ruez
	Barbara A. Tillotson

American Association of Petroleum Geologists Student Chapter

President:	Matthew A. Campbell
Vice President:	Brian Moore
Treasurer:	Rachel K. Wells
Secretary:	Susan Young
Graduate Liaison (BEG):	Cern O. Kilic
Graduate Liaison (UTIG):	Matthew G. Morris
Undergraduate Liaison:	Dax McDavis
Recruitment Committee:	Nathan Bryant
	Matthew H. Davis
	Dale D. Glover

AAPG Student Chapter at The University of Texas at Austin

It has been another busy year for the AAPG student chapter here at UT. We have continued our commitment to the students to better enrich their knowledge and understanding of the petroleum industry. Membership has remained strong and continued to place our chapter here at the Jackson School of Geosciences as one of the largest student chapters in the world.

New additions have been made to the student chapter as well. A listserve was created allowing members to send announcements via e-mail to each other. Additionally, student chapter T-shirts were designed by VP Brian Moore and were made available to members.

Our chapter was kept busy this year with a variety of events to help better our knowledge of the industry. Several members were able to attend the AAPG Student Expo at Rice University in Houston on October 20-21. This gave them the chance to show off their student re-

search as well as to network with potential employers at the Expo. This was followed several weeks later with a strong showing at the GCAGS (Gulf Coast Association of Geological Societies) annual meeting and conference held in Austin from October 30 through November 1. Our student chapter committed over 30 volunteers to help the conference run smoothly. This also gave many members a chance to experience a society conference for the first time.

In the Spring semester, we had the opportunity to hear from two excellent speakers about the petroleum industry. Dr. Peter Rose, a local consultant in Austin, gave us a short seminar on "Ethics in the Petroleum Industry," an important topic, especially in the post-Enron era of the industry. Also in the spring, Dr. Thomas Ahlbrandt from the USGS gave a talk on global assessment of oil and gas reserves.

To wrap up the school year, many of our members were able to make it out to Salt Lake City, Utah, for the AAPG Annual convention on May 11 through 14. Some members were able to present the results of their research, and all members were able to enjoy both the academic and social aspects of the conference.

This year for the AAPG student chapter proved to be a great success and next year should be even better. We encourage all who are interested in petroleum geology and the petroleum industry to check us out next year. Remember, the student chapter is only as good as its members. Keep up the good work!

Graduate Student Executive Committee

This year the Graduate Student Executive Committee (GSEC) followed its tradition of being the voice of the Jackson School graduate students and supporting graduate student activities. The Fall 2002 semester flew by in a haze of Beverages in the Park and holiday parties. The Spring 2003 semester began with a survey soliciting graduate student ideas for changes in the Jackson School. The results were given to the Jackson School Steering Committee and will be incorporated into the vision for the Jackson School.

This spring GSEC also hosted 35 prospective M.S. and Ph.D. students over two fun and informative weekends. Prospective students toured the Geology Department, Bureau of Economic Geology, the Institute for Geophysics, and the Vertebrate Paleontology Lab. After the intense day of tours and meetings with potential advisors the prospective students were treated to BBQ and live music, sponsored by GSEC. These weekends are an integral aspect for attracting the highest quality graduate students and would not

be possible without the help and commitment of all the graduate students.

The year wound down with a relaxing Geology Night at a Round Rock Express baseball game and a few final Beverages in the Park. And this year Final Bedlam was resurrected; it rose from the ashes like a great phoenix, bringing geo-comedy to a higher plane.

This year's student service award was presented to Brook Riley for her continued commitment to the Jackson School's graduate students. As presi-

dent of GSEC last year she created the template for successful Prospective Student Weekends and restructured GSEC to once again be an integral part not only of graduate student life but also as a part of the Jackson School.

GSEC would like to thank the Geology Foundation for its generous support, as well as Conoco for its contribution to the thesis binding fund. Finally, GSEC would like to extend thanks to all who helped with the prospective student activities and other GSEC events throughout the year.

MARLA KNEBL RECEIVES DEPARTMENT OF HOMELAND SECURITY FELLOWSHIP

Marla R. Knebl, a first-year graduate student supervised by Dr. Liang Yang, was chosen as one of approximately 100 graduate students to receive a Fellowship from the Department of Homeland Security (DHS). The DHS collaborated with the Oak Ridge Institute for Science and Education to administer this new fellowship. It was created to support graduate student research in the field of natural hazards and other issues of national emergency. The fellowship covers tuition as well as providing a stipend that is renewable for up to 3 years.

Marla was born and raised in New Haven, Connecticut, and received a B.S. degree in Geology, as well as a second degree in Music, from Boston College in Massachusetts. She then went on to receive a Master's in Music Education from The University of Texas at Austin. Her proposal is titled "Derivation of a Flood Potential Product Using GIS and Hydrological Modeling: An Investigation of the San Antonio Summer Flood of 2002." This research focuses on modeling the rainfall-runoff relationship in the San Antonio River Basin and developing a method by which to quantify flooding in this area.



Marla Knebl. PHOTOGRAPH PROVIDED BY LIANG YANG.

Research and Teaching Assistants — 2002-2003

Research Assistants, Bureau of Economic Geology

Banerjee, Serene
Briceno, Romulo P.
Castellanos, Hugo A.
Combs, Deanna M.
Dorn, Erin L.
Fachmi, Mochammad
Gomez-Torres, Leonel A.
Hooker, John N.
Kier, Katherine S.
Kilic, Cem O.
Kimball, Jesse B.
Liu, Xuejiao
Lundley, Adrien L.
Mize, Kristine L.
Montoya, Patricia
Nunez-Lopez, Vanessa
Park, Yong-Joon
Playton, Ted E.
Roller, Elizabeth A.
Sukhavasi, Nandakishore V.
Sullivan, Sean M.
Sun, Yanping
Valentine, D. Shane
Van Berkel, Diego J.
Xu, Liying
Yang, Haiyan E.

Research Assistants, Institute for Geophysics

Ahmed, Imtiaz
Carter, Sasha P.
Chakroborty, Samarjit
Combellas, Ricardo
Escalona, Alejandro
Filina, Irina
Kumar, Chandan
Kumar, Dhananjay
Lu, Hongbo

Makowitz, Astrid
Nordfjord, Sylvia
Rogers, Robert D.
Sena, Armando R.
Shi, Mingjuan
Tillotson, Barbara A.
Wang, Changshu
Wu, Xinxia
Xun, Hao

Research Assistants, Department of Geological Sciences

Balanoff, Amy M.
Beveridge, Carrie A.
Bumgarner, Johnathan R.
Christian, Lance
Dodd, Daniel J.
Escalona, Alejandro
Ewing, Ryan C.
Franzosa, Jonathan W.
Gao, Wei
Garcia-Fresca, Beatriz
Gudipati, Krishnavikas
Guilfoyle, Amber L.
Gumble, Jason E.
Jass, Christopher N.
Kumar, Chandan
Lane, Edward D.
Mabin, Katrina E.
McFarlane, Christopher R.
Mickler, Patrick J.
Morris, Matthew G.
Paterson, John T.
Roller, Elizabeth A.
Ruez, Dennis R.
Shi, Mingjuan
Simmons, Nathan A.
Stine, Jason A.
Thompson, Clark
Tuitjer, Eric
Vaidya, Varada V.
Wagner, Jonathan R.
Walker, Jud B.
Wallace, Tania C.
Wertz, Karah L.
Wilbur, Bryan C.
Wu, Xinxia
Zeng, Qianru

Teaching Assistants, Department of Geological Sciences

Bailey, Danielle M.
Baldwin, Austin K.
Berg, Christopher A.
Campbell, Matthew A.

Carter, Sasha P.
Cooke, Mary J.
Davis, Matthew G.
Dodd, Daniel J.
Dunston, Jacob
Edwards, Christopher L.
Ekdale, Eric G.
Escalona, Alejandro
Forkner, Robert M.
Franzosa, Jonathan W.
Frost, Edmund L.
Garcia-Fresca, Beatriz
Garner, Terence
George, Christian O.
Gibbons, Timothy D.
Grellet-Tinner, Fabienne M.
Gudipati, Krishnavikas
Guhl, Meredith D.
Gumble, Jason
Hare, Christopher
Hemphill, Lloyd H.
Jass, Christopher N.
Jones, James V.
Knebl, Marla R.
Kumar, Chandan
Lane, Edward D.
Levine, Jamie S.
Mabin, Katrina E.
Macrini, Thomas E.
McCole, Amy A.
McGuire, James B.
Mickler, Patrick J.
Mote, Alison S.
Nance, Holly A.
Paterson, John T.
Perri, John J.
Pierce, Timothy L.
Riley, Brook C. D.
Rogers, Steven A.
Roller, Elizabeth A.
Schneider, Christie L.
Stevens, Joel D.
Stine, Jason A.
Svihla, Vanessa L.
Triche, Nina E.
Tuitjer, Eric
Wagner, Jonathan R.
Walker, Jud B.
Wallace, Tania C.
Wheatley, Patrick V.
White, Tina M.
Wilbur, Bryan C.

GRADUATE FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

2002-2003

AAPG Meeting Support – Various Donors

Hugo A. Castellanos Spring 2003
Arturo J. Contreras Spring 2003

AFMS Scholarship Foundation

James V. Jones, III Spring 2003
Adam W. Krawiec Spring 2003

Mary and Ben Anderson Endowment for Graduate Studies in Geology

Ki-Weon Seo Summer 2003

Thomas R. Banks Memorial Scholarship

Jonathan W. Franzosa Fall 2002
James V. Jones III Fall 2002
Adam W. Krawiec Fall 2002
Jamie S. Levine Spring 2003
Timothy A. Meckel Fall 2002
John J. Perri Spring 2003
Dennis R. Ruez, Jr. Spring 2003
Christie L. Schneider Spring 2003

Leonidas T. Barrow Centennial Chair in Mineral Resources

Tarek A. S. ElShayeb Fall 2002
Mochammad Fachmi Fall 2002
Spring 2003
F. M. Grellet-Tinner Summer 2003

Laura Thomson Barrow Graduate Fellowship

Jamie S. Levine Spring 2003
Amy A. McCole Summer 2003
Sylvia Nordfjord Summer 2003
Vanessa L. Svihla Summer 2003
Tina M. White Spring 2003
Summer 2003

Wayne Franklin Bowman Endowed Presidential Scholarship

Annette S. Engel Fall 2002
Summer 2003
Ryan C. Ewing Fall 2002

British Petroleum/Amoco Scholarship

Adrian C. Badescu Fall 2002
Ryan C. Ewing Fall 2002
Jamie S. Levine Summer 2003

Charl A. M. Broquet Memorial Endowed Presidential Scholarship

Luis A. Rivera Fall 2002

Jesse L. Brundrett Memorial Endowed Presidential Scholarship Fund

Gaberiel S. Bever Fall 2002
Spring 2003

Hal H. Bybee Memorial Fund

Johnathan R. Bumgarner Summer 2003
Krishnavikas Gudipati Summer 2003

Dave P. Carlton Centennial Professorship in Geophysics

Lance Christian Fall 2002
Suzanne Pierce Spring 2003
Nathan Simmons Fall 2002

Dorothy Ogden Carsey Memorial Scholarship Fund

Eric G. Ekdale Summer 2003
Christian O. George Summer 2003
Christopher N. Jass Summer 2003
Holly A. Nance Spring 2003
Dennis R. Ruez, Jr. Spring 2003
Patrick V. Wheatley Summer 2003
Bryan C. Wilbur Summer 2003

ChevronTexaco Fund

Christopher L. Edwards Spring 2003
Robert M. Forkner Summer 2003
Meredith D. Guhl Summer 2003
Timothy A. Meckel Spring 2003
John J. Perri Summer 2003
Robert D. Rogers Summer 2003
Jason A. Stine Summer 2003
Barbara A. Tillotson Spring 2003
Eric Tuitjer Summer 2003

ConocoPhillips Petroleum Company Scholarship

Imtiaz Ahmed Spring 2003
Austin K. Baldwin Fall 2002
Timothy L. Pierce Fall 2002
Spring 2003
Luis A. Rivera Fall 2002

ConocoPhillips Professional Development Fund

Eric Tuitjer Fall 2002

**Joseph S. Cullinan
Memorial Scholarship
in Geological Sciences**

Laura I. Net Fall 2002
Diego J. Van Berkel Spring 2003

**Robert H. Cuyler Endowed
Presidential Scholarship**

Matthew A. Campbell Fall 2002
Mary J. Cooke Fall 2002

**Morgan J. Davis
Centennial Chair in
Petroleum Geology**

Mingjuan Shi Fall 2002
Spring 2003

**Ronald K. DeFord Field
Scholarship Fund**

Jose F. Delgado Fall 2002
Tarek A. S. ElShayeb Fall 2002
Summer 2003

Ryan C. Ewing Spring 2003
Marcus O. Gary Fall 2002
Leonel A. Gomez Summer 2003
Nico M. Hauwert Fall 2002
Lloyd H. Hemphill Summer 2003
Steven A. Rogers Summer 2003
Bryan C. Wilbur Spring 2003

**Michael Bruce Duchin
Centennial Memorial
Endowed Presidential
Scholarship**

Barbara A. Tillotson Spring 2003

**El Paso Corporate
Foundation Scholarship**

John J. Perri Fall 2002

**John E. "Brick" Elliot
Centennial Endowed
Professorship in
Geological Sciences**

D. Shane Valentine Fall 2002

**Peter T. Flawn Centennial
Chair in Geology**

Christopher A. Berg Summer 2003

**Geology Foundation
Designated Fund**

Erick Leuro Fall 2002

**Getty Oil Company
Centennial Chair in
Geological Sciences**

Karah L. Wertz Fall 2002

**Graduate Fellowship in
Exploration Geophysics**

Patricia Yu Fall 2002
Spring 2003
Summer 2003

**J. Nalle Gregory Chair
in Sedimentary Geology**

Tarek A. S. ElShayeb Fall 2002

**J. Nalle Gregory Regents
Professorship in
Geological Sciences**

David L. Dufeu Fall 2002
Spring 2003

**Houston Geological
Society Scholarship**

Matthew G. Morris Fall 2002
Spring 2003

**F. Earl Ingerson Graduate
Research Assistance
Fund in Geochemistry**

Dennis P. Dunn Fall 2002
Christopher R. McFarlane Fall 2002
Summer 2003
Luis A. Rivera Spring 2003

**John A. and Katherine G.
Jackson Endowed Fund**

Imtiaz Ahmed Spring 2003
William H. Asquith Fall 2002
Danielle M. Bailey Fall 2002
Spring 2003
Austin K. Baldwin Spring 2003
Christopher A. Berg Fall 2002
Spring 2003
Gaberiel S. Bever Fall 2002
Carrie A. Beveridge Fall 2002
Spring 2003
Matthew A. Campbell Fall 2002
Spring 2003
Sasha P. Carter Fall 2002
Spring 2003
Lance N. Christian Spring 2003
Mary J. Cooke Fall 2002
Spring 2003
Matthew H. Davis Fall 2002
Spring 2003
Jose F. Delgado Spring 2003
D. Jackson Dodd, III Fall 2002
Spring 2003
Jacob F. Dunston Fall 2002
Christopher L. Edwards Fall 2002
Melissa C. Edwards Fall 2002
Spring 2003
Eric G. Ekdale Spring 2003
Ryan C. Ewing Fall 2002
Robert M. Forkner Fall 2002
Spring 2003
Jonathan W. Franzosa Spring 2003
Edmund L. Frost, III Fall 2002
Spring 2003
Beatriz Garcia-Fresca Fall 2002
Terence T. Garner Fall 2002
Spring 2003
Christian O. George Fall 2002
Spring 2003
Timothy D. Gibbons Fall 2002
Spring 2003
F. M. Grellet-Tinner Fall 2002
Spring 2003
Krishnavikas Gudipati Fall 2002
Spring 2003

Meredith D. Guhl	Spring 2003
Jason E. Gumble	Fall 2002
Lloyd H. Hemphill	Fall 2002
	Spring 2003
Christopher N. Jass	Spring 2003
James V. Jones, III	Fall 2002
Maria R. Knebl	Fall 2002
Adam W. Krawiec	Fall 2002
	Spring 2003
Chandan Kumar	Fall 2002
	Spring 2003
Edward D. Lane	Fall 2002
	Spring 2003
Jamie S. Levine	Fall 2002
	Spring 2003
Katrina E. Mabin	Spring 2003
Thomas E. Macrini	Spring 2003
Amy A. McCole	Fall 2002
	Spring 2003
James B. McGuire	Spring 2003
Timothy A. Meckel	Fall 2002
Patricia Montoya	Spring 2003
Alison S. Mote	Fall 2002
	Spring 2003
Holly A. Nance	Fall 2002
	Spring 2003
John T. Paterson	Fall 2002
	Spring 2003
John J. Perri	Fall 2002
	Spring 2003
Suzanne A. Pierce	Fall 2002
	Spring 2003
Timothy L. Pierce	Fall 2002
	Spring 2003
Brook C. D. Riley	Fall 2002
	Spring 2003
Luis A. Rivera	Fall 2002
	Spring 2003
Steven A. Rogers	Fall 2002
	Spring 2003
Elizabeth A. Roller	Fall 2002
	Spring 2003
Christie L. Schneider	Fall 2002
	Spring 2003
Joel D. Stevens	Fall 2002
	Spring 2003

Jason A. Stine	Spring 2003
Vanessa L. Svihla	Fall 2002
	Spring 2003
Nina E. Triche	Fall 2002
	Spring 2003
Eric Tuitjer	Fall 2002
Jonathan R. Wagner	Fall 2002
	Spring 2003
Judson B. Walker	Fall 2002
	Spring 2003
Tania C. Wallace	Fall 2002
	Spring 2003
Patrick V. Wheatley	Fall 2002
	Spring 2003
Tina M. White	Fall 2002
	Spring 2003
Bryan C. Wilbur	Fall 2002
	Spring 2003
Patricia Yu	Fall 2002
	Spring 2003

John A. and Katherine G. Jackson Fellowship in Geohydrology

Danielle M. Bailey	Summer 2003
Melissa C. Edwards	Fall 2003
Terence T. Garner	Summer 2003
Amy E. Hobbs	Spring 2003
Katherine S. Kier	Summer 2003

George W. Marshall, Jr. Memorial Endowed Presidential Scholarship

Vanessa L. Svihla	Fall 2002
	Spring 2003

William R. Muehlberger Field Geology Scholarship Fund

Christopher A. Berg	Summer 2003
Timothy L. Pierce	Spring 2002
Luis A. Rivera	Summer 2003

Pennzoil and Pogo Producing Companies William E. Gipson Scholarships

Austin K. Baldwin	Spring 2003
Carrie A. Beveridge	Spring 2003
Lance N. Christian	Spring 2003

Louis and Elizabeth Scherck Geology Scholarship

Erick Leuro	Summer 2003
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Walter Benona Sharp Memorial Scholarship in Geological Sciences

R. Combellas Bigott	Spring 2003
Matthew A. Campbell	Spring 2003
Jose F. Delgado	Spring 2003
Alejandro Escalona	Spring 2003
Mochammad Fachmi	Spring 2003
Tina R. Foster	Spring 2003
Martha A. Jaimes	Spring 2003
Hongbo Lu	Spring 2003
Astrid Makowitz	Spring 2003
Julymar M. Morantes	Spring 2003
Laura I. Net	Spring 2003
Barbara A. Tillotson	Spring 2003
Xinxia Wu	Spring 2003

John and Elizabeth M. Teagle Scholarship in Petroleum Geology

Mary J. Cooke	Fall 2002
Jose F. Delgado	Summer 2003
Chandan Kumar	Fall 2002
Songul Yildiz	Fall 2002

Glenn and Martha Vargas Endowed Presidential Scholarship

F. M. Grellet-Tinner	Fall 2002
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**Albert W. and Alice M.
Weeks Fund in Geology**

John J. Perri Fall 2002
Luis A. Rivera Fall 2002
Chengshu Wang Fall 2002

**Arno P. (Dutch)
Wendler Professional
Development Fund**

Christopher A. Berg Fall 2002
Sasha P. Carter Fall 2002
Robert M. Forkner Summer 2003
Christopher N. Jass Fall 2002
James V. Jones, III Spring 2003
Hongbo Lu Fall 2002
Patrick J. Mickler Fall 2002
Sylvia Nordfjord Fall 2002
Robert D. Rogers Spring 2003
Christie L. Schneider Fall 2002
Kristin M. White Spring 2003

**Francis L. Whitney
Endowed Presidential
Scholarship**

Holly A. Nance Fall 2002
 Spring 2003

**Scholarships,
Fellowships, and
Grants from
Other Agencies**

**American Association
of Petroleum Geologists
(AAPG) Grant**

Laura I. Net

**Colorado Scientific
Society Grant**

Laura I. Net

**Department of
Homeland Security**

Marla R. Knebl

**Energy and Mineral
Resources Graduate
Studies Program
Scholarship**

Rashidul Hassan

**Geological Society of
America (GSA) Grant**

Karah L. Wertz
Kristin M. White

**Gulf Coast Association
of Geological Societies
(GCAGS) Grant**

Tina R. Foster
Tania C. Wallace

**Gulf Coast Section
Society of Economic
Paleontologists and
Mineralogists (SEPM)
Foundation Grant**

Astrid Makowitz
Laura I. Net

**Houston Geological
Society Outstanding
Student Award**

Annette Summer

**Houston Geological
Society Scholarship**

Matthew G. Morris

**Max Planck Society
Fellowship**

Karah L. Wertz

**National Park
Services Grant**

Dennis R. Ruez

**National Science
Foundation Doctoral
Dissertation Program**

Thomas E. Macrini

**National Science
Foundation GK-12
Fellowship (ESI)**

Matthew G. Morris

**National Speleological
Society Grant**

Annette Summer

SIPES Foundation Award

Tarek Elshayeb

**Texas Academy of
Science, Graduate
Student Research Award**

Christopher N. Jass

Graduate Degrees in Geological Sciences Conferred by The University of Texas at Austin—2002–2003

MASTER OF SCIENCE

AUGUST 2002 (3)

DANIEL JOSEPH KRAUSE

B.A., 1994

State University of New York – Buffalo

*Evaluation of DNA-labeled clay particles
for use as a groundwater tracer*

Supervisor: Philip C. Bennett

Committee Members: Libby Stern,
Barbara J. Mahler

THOMAS EUGENE MISKELLY, JR.

B.A., Physics, 1996; B.S., Geology, 1996
University of Pennsylvania
at Millersville

*Structural framework and depositional
systems of a complex rift and strike-slip
plate margin: blocks C1-104 and 105,
Ivory Coast, West Africa*

Supervisor: William E. Galloway

Committee Members: William L. Fisher,
William P. Mann

NORMAN VAN BROEKHOVEN

B.A., 1988

Fairleigh Dickinson University

*Recharge in a semi-arid basin aquifer: Ryan
Flat and Lobo Flat, Trans-Pecos, Texas*

Supervisor: John M. Sharp, Jr.

Committee Members: Randall A. Marrett,
Philip C. Bennett, Bridget R. Scanlon,
Barry J. Hibbs

DOCTOR OF PHILOSOPHY

AUGUST 2002 (1)

DONNA LOUISE CATHRO

B.S., 1990

University of Adelaide

*Three-dimensional stratal development of a
carbonate-siliciclastic sedimentary regime,
Northern Carnarvon Basin, Northwest
Australia*

Supervisors: William L. Fisher,
James A. Austin, Jr.

Committee Members: William E. Galloway,
Richard T. Buffler, Craig S. Fulthorpe,
Garry Karner

MASTER OF SCIENCE

DECEMBER 2002 (8)

BUDIYONO

B.S., Geology, 1998

Institut Teknologi Bandung

*Forel field reservoir characterization and
field assessment, West Natuna Basin,
Indonesia*

Supervisor: William L. Fisher

Committee Members: William E. Galloway,
Robert H. Tatham

CHRISTOPHER MATTHEW HARE

B.S., Geosciences, 2000

University of Tulsa

*Analysis of fracture clustering using the
wavelet transform: an example from the
Marble Falls Limestone*

Supervisor: Randall A. Marrett

Committee Members: Jon E. Olson,
John M. Sharp, Jr.

ROBERT LEE KOCH

B.S., 2000

University of Missouri – Rolla

*Characterization of the Cunningham sand in
the Southeast Bradley Springer unit of the
Golden Trend – identification of a deltaic
system*

Supervisor: William L. Fisher

Committee Members: Raymond Sorenson,
William E. Galloway

JASON NOEL KROTHER

B.S., Geological Sciences, 2000
Indiana University

*Effects of urbanization on
hydrogeological systems: the
physical effects of utility trenches*

Supervisor: John M. Sharp, Jr.

Committee Members: Philip C. Bennett,
Christopher S. Davies

PATRICIA MONTOYA

B.S., 1995

Universidad Simon Bolivar

*Characterization of a fractured sandstone
reservoir from core to 3D seismic analysis
in the Tacata Field Eastern Maturin Basin,
Venezuela*

Supervisor: William L. Fisher

Committee Members: Randall A. Marrett,
Robert H. Tatham

THET NAIG

B.S., 1997

University of Main, Orono

*Mapping hydraulic conductivity of the
Ogallala Aquifer in Texas*

Supervisors: Alan R. Dutton,
John M. Sharp, Jr.

Committee Member: William E. Galloway

THANDAR PHYU

B.S., 1997

University of Maine – Orono

Transient modeling of contaminant transport in dual porosity media with fracture skins

Supervisors: John M. Sharp, Jr.,
Neville I. Robinson

Committee Member: Philip C. Bennett

HASAN SARIKAYA

B.S., 1998

Middle East Technical University

Forward seismic modeling of a tidal bar-incised valley complex to delineate reservoir architecture: Sego Sandstone outcrops of Eastern Utah

Supervisors: William L. Fisher,
Lesli J. Wood

Committee Member: Robert H. Tatham

DOCTOR OF PHILOSOPHY

DECEMBER 2002 (7)

ADRIAN CONSTANTIN BADESCU

B.S., Geology, 1995

University of Bucharest

M.S., 1998

University of Cincinnati

Reservoir characterization of the Miocene Starfak and Tiger Shoal Fields, offshore Louisiana, through integration of sequence stratigraphy, 3-D seismic, and well-log data

Supervisor: William L. Fisher

Committee Members: William E. Galloway,
Robert H. Tatham, Lesli J. Wood,
Bob A. Hardage

ROBERT LAWRENCE BURGER

B.S., 1993

Yale University

M.S., 1996

Dartmouth College

Mid-Pleistocene to present stratigraphic responses in a tectonically-driven depositional setting: Eel River Basin, northern California

Supervisors: William E. Galloway,
James A. Austin, Craig S. Fulthorpe

Committee Members: William L. Fisher,
Ian W.D. Dalziel

DENNIS PATRICK DUNN

B.S., 1977

Pennsylvania State University

M.S., 1980

Arizona State University

Xenolith mineralogy and geology of the Prairie Creek Lamproite Province, Arkansas

Supervisor: Douglas Smith

Committee Members: William D. Carlson,
Fred W. McDowell, Richard Kyle,
Stephen Bergman, Tom McCandless

IAN CHRISTOPHER JONES

B.S., 1987

University of Western Ontario

M.S., 1991

University of South Florida

Geochemical evolution of groundwater in the Pleistocene Limestone Aquifer of Barbados

Supervisor: Jay Banner

Committee Members: Leonard Vacher,
Richard P. Major, Lynton S. Land,
Libby Stern, Bridget R. Scanlon

STACI LYNN LOEWY

B.A., 1991

State University of New York – Buffalo

M.S., 1995

Pennsylvania State University

The Arequipa-Antofalla Basement, a tectonic tracer in the reconstruction of Rodinia

Supervisor: James N. Connelly

Committee Members: Ian W.D. Dalziel,
Sharon Mosher, Randall W. Van Schmus,
Samuel Mukasa

ERIC MATZEL

B.S., Geological Sciences, 1989

The University of Texas at Austin

The anisotropic seismic structure of the Earth's mantle: investigation using full waveform inversion

Supervisor: Stephen P. Grand

Committee Members: Paul L. Stoffa,
Clifford A. Frohlich, Douglas Smith,
Clark Wilson

CLAUDIA RASSI

M.S., 1995

University of Vienna

Influence of reservoir character and architecture on hydrocarbon distribution and production in the Miocene of Starfak and Tiger Shoal Fields, offshore Louisiana

Supervisor: William L. Fisher

Committee Members: William E. Galloway,
Scott W. Tinker, Bob A. Hardage,
Lesli J. Wood

MASTER OF SCIENCE

MAY 2003 (8)

DAVID LAURENCE DUFEAU

B.S., Geology, 1998

The University of Texas at Austin

The cranial anatomy of the theropod dinosaur Shuvuuia deserti (Coelurosauria: Alvarezsauridae), and its bearing upon Coelurosaurian phylogeny

Supervisor: Timothy B. Rowe

Committee Members: Christopher J. Bell,
Mark Allen Norell

CHRISTOPHER LANE EDWARDS

B.S., 2001

Ohio University

An integrated evaluation of a mature lower Miocene siliciclastic gas field incorporating 3-D seismic, northwestern Gulf of Mexico shelf

Supervisor: William L. Fisher

Committee Members: William E. Galloway,
Robert G. Loucks

TINA RAYNA FOSTER

B.S., 2001

Texas Tech University

The evolution of a Lower Cretaceous carbonate platform within a divergent margin setting: the Cupido Formation, northeastern Mexico

Supervisor: Robert K. Goldhammer

Committee Members: Charles Kerans,
Scott W. Tinker

ALFRED DEAN GOMEZ

B.S., 1995

University of New Mexico

Core study and sequence stratigraphic analysis of the Desmoinesian Barker Creek zone, Table Mesa and Rattlesnake Fields, San Juan County, New Mexico

Supervisors: William L. Fisher,
Richard T. Buffler

Committee Member: Brenda Kirkland

JAMES BRITTON MCGUIRE

B.S., 2000

Duke University

High-temperature carbonate replacement mineralization, metamorphism, deformation, and intrusion in the Bryant District, Beaverhead County, Montana

Supervisor: Richard Kyle

Committee Members: James N. Connelly,
Mark A. Helper

RINIE MEKARSARI

B.S., 1998

Gadjah Mada University

Seismic stratigraphy and geological history of Plio-Pleistocene deposits of eastern Green Canyon, Gulf of Mexico

Supervisor: William L. Fisher

Committee Members: William E. Galloway,
Robert H. Tatham

TED ERIC PLAYTON

B.S., 1998

Colorado School of Mines

Tectonic deformation of a Late Wolfcampian carbonate ramp and resulting channelization, Victorio Flexure, West Texas

Supervisors: Charles Kerans,
Scott W. Tinker

Committee Member: Robert K. Goldhammer

BARBARA TILLOTSON

B.S., Geological Sciences, 1997

Indiana University

Bed and facies scale selectivity during late-stage dolomitization: lower Ordovician El Paso Group, Franklin Mountains, West Texas

Supervisor: Robert K. Goldhammer

Committee Members: William L. Fisher,
F. Jerry Lucia, Kitty L. Milliken

DOCTOR OF PHILOSOPHY

MAY 2003 (4)

WILLIAM HAROLD ASQUITH

B.S., Chemical Engineering, 1992

The University of Texas at Austin

M.S., Engineering, 1994

The University of Texas at Austin

Modeling of runoff-producing rainfall hyetographs in Texas using L-moment statistics

Supervisor: John M. Sharp, Jr.

Committee Members: David Thompson,
Zong-Liang Yang, Clark Wilson,
David R. Maidment

CHRISTOPHER MCFARLANE

B.S., 1995

University of Toronto

M.S., 1997

University of Calgary

Diffusion, closure temperatures, and accessory mineral petrogeneses in a high-temperature aureole: refining the integration of P-T and T

Supervisors: James N. Connelly,
William D. Carlson

Committee Members: Mark Cloos,
Barbara L. Dutrow, B. Ronald Frost

TIMOTHY ASHWORTH MECKEL

B.A., 1995

Colby College

M.S., 1998

University of Montana at Missoula 1998

Tectonics of the Hjort region of the Macquarie Ridge Complex, Southernmost Australian-Pacific plate boundary, Southwest Pacific Ocean

Supervisors: Sharon Mosher, Millard F. Coffin

Committee Members: Ian W.D. Dalziel,
James N. Connelly, William P. Mann,
Phil Symonds

TERRY RAMSEY

B.S., Petroleum Engineering, 1964

Colorado School of Mines

M.S., 1971

University of Tulsa

Forecasting U.S. crude oil prices from 1945 to 1972

Supervisor: William L. Fisher

Committee Members: William E. Galloway,
Willem C. Van Rensburg, James S. Dyer,
Krishan A. Malik

UNDERGRADUATE SCHOLARSHIPS AND AWARDS

Millard B. Arick Memorial Fund in Petroleum Geology

Luis A. Crespo Fall 2002

Austin Gem and Mineral Society Award

Luis A. Crespo Fall 2002
Paul B. Kirby Fall 2002
John S. Larkin Fall 2002
Amy D. Wagner Fall 2002

Thomas R. Banks Memorial Scholarship

John D. Deans Fall 2002
Spring 2003
Brandon W. Ferrall Fall 2002
Spring 2003
Ben D. Herber Fall 2002
Spring 2003
Drennan S. Hough Fall 2002
Spring 2003
April P. Kreller Fall 2002
Spring 2003
Sassan Mouri Fall 2002
Spring 2003
Petros K. Papazis Fall 2002
Spring 2003
Julie A. Pecarina Fall 2002
Spring 2003
Dominique K. Schmid Fall 2002
Spring 2003
Yusliza Mohd Sufian Fall 2002
Spring 2003
Adolphus F. Wilson Fall 2002
Spring 2003

Bloomer Fund for Motivated Students

Kevin E. Burns Spring 2003
Summer 2003
Ron L. Dildine, Jr. Fall 2002
Kimberly D. Huebel Fall 2002
Spring 2003
Paul M. Mehring Fall 2002
Christopher J. Rhea Fall 2002
Spring 2003
Raymond F. Schiltz Spring 2003
Summer 2003
Rachel K. Wells Spring 2003
Michael A. Winston Summer 2003

Wayne Franklin Bowman Endowed Presidential Scholarship

Alka K. Tripathy Fall 2002
Spring 2003

Brahman Energy Company Scholarship Fund

Nicholas K. Sommer Summer 2003

Hal P. Bybee Memorial Fund

Justin T. Hall Fall 2002

Dorothy Ogden Carsey Memorial Scholarship Fund

Isaiah Cisneros Fall 2002
Thomas P. Eiting Summer 2003
Brandon W. Ferrall Summer 2003
Lisa R. Hatzky Summer 2003
Tamara N. Kahn Spring 2003

W. Kenley Clark Memorial Endowed Presidential Scholarship

Christopher L. Gordon Fall 2002
Spring 2003

ConocoPhillips Petroleum Company Scholarship

Daniel E. Jones Summer 2003
David A. Keeler Summer 2003

J. Nalle Gregory Chair in Sedimentary Geology

Wesley D. Crawford, Jr. Spring 2003

Karl Frederick Hagemeyer Jr. Memorial Endowed Presidential Scholarship

Thomas P. Eiting Fall 2002
Spring 2003

Bill D. Holland Endowed Presidential Scholarship in Geological Sciences

Benjamin D. Dameron Fall 2002
Spring 2003

John C. and Marian B. Maxwell Undergraduate Scholarship Fund

Christopher L. Gordon Summer 2003

John H. and Lujza McCammon Endowed Scholarship

Johnathan R. Bumgarner Fall 2002
Spring 2003
Molly S. Purcell Fall 2002
Spring 2003

Mr. and Mrs. L. F. McCollum Scholarship in Geology

John F. Bacon Fall 2002
Fayola D. Farquhar Fall 2002
Lisa R. Hatzky Fall 2002
Michael N. Michaelides Spring 2003

Michaux Scholarship Fund

Joseph T. Bentley Summer 2003

Joan A. Middleton Endowed Scholarship in Geology

John F. Bacon Fall 2002

Carrol C. Miller Endowed Presidential Scholarship

Jason L. Clayton Fall 2002
Spring 2003

Wes Ogden Memorial Scholarship

Jaime Fernandez Fall 2002
Francois M. Lux Fall 2002

Louis and Elizabeth Scherck Geology Scholarship

Paul B. Kirby Fall 2002
Christopher J. Rhea Summer 2003
Anthony C. Rodriguez Fall 2002

F.W. Simonds Endowed Presidential Scholarship

David A. Keeler Fall 2002
Spring 2003

Sprint 2003 Scholarship

Erin E. Fonken Spring 2003

**John and Elizabeth M. Teagle
Scholarship in Petroleum Geology**

Adriana C. Adame Spring 2003
Rachel E. Autentieth Spring 2003
Ben D. Beckham Spring 2003
Andrew P. Chodur Spring 2003
Wesley D. Crawford, Jr. Spring 2003
Luis A. Crespo Fall 2002
Yann A. Curtis Fall 2002
Benjamin D. Dameron Summer 2003
Hunter A. Danque Summer 2003
Jaime Fernandez Spring 2003

Patrick T. Fortson Spring 2003
April P. Kreller Summer 2003
Francois M. Lux Fall 2002
Eric Lyons Fall 2002

Spring 2003
Joseph L. Mehring Fall 2002
Michael N. Michaelides Summer 2003
Brian T. Moore Fall 2002
Christopher J. Rhea Spring 2003
Dietrich B. Sanders Spring 2003
Yusliza Mohd Sufian Summer 2003
Thomas R. Sylvia, Jr. Spring 2003
Sarah E. Zanoﬀ Spring 2003

**David S. Thayer Memorial
Scholarship Fund**

Jaime Fernandez Summer 2003
Christopher L. Gordon Summer 2003
Nicholas K. Sommer Summer 2003

Udden Memorial Scholarship Fund

Ron L. Dildine, Jr. Spring 2003
Josue J. Gallegos Spring 2003

**Glenn and Martha Vargas
Gemological Scholarship
in Geological Sciences**

Kelly J. Iacono Summer 2003
Michael N. Michaelides Fall 2002

**Albert W. and Alice M. Weeks Fund
in Geology**

Joseph T. Bentley Summer 2003
Jennifer L. Bird Summer 2003
Kevin E. Burns Summer 2003
Jason L. Clayton Summer 2003
Ron L. Dildine, Jr. Summer 2003
Thomas P. Eiting Summer 2003

Patrick T. Fortson Summer 2003
Lindsey D. Hammer Spring 2003

Summer 2003
Lisa R. Hatzky Summer 2003
Kelly J. Iacono Summer 2003
John S. Larkin Spring 2003
Francois M. Lux Spring 2003
Steven C. Mahr Summer 2003
Julie A. Pecarina Summer 2003
Ashley G. Price Summer 2003
Grant A. Price Summer 2003
Jennifer N. Rawlings Spring 2003
Lindsay M. Reeve Summer 2003
Todd B. Willis Summer 2003

**Addison A. and Mary E. Wilkinson
Endowed Presidential Scholarship
in Geological Sciences**

Hunter A. Danque Spring 2003

**Charles E. Yager Undergraduate
Field Scholarship Fund**

Jason L. Clayton Summer 2003
Alka K. Tripathy Summer 2003

Undergraduate Degrees in Geological Sciences

Conferred by The University of Texas at Austin—2002–2003

**Bachelor of Arts
August 2002 (2)**

Elizabeth Lacy Baldinger
Meagan Lee McMeans

**Bachelor of Science
August 2002 (5)**

Megan Sue Avants
Rafael Enrique Herrera
Annie Elizabeth Hoffman
Jonathan Wells Snatic
Chris Michael Urbina

**Bachelor of Arts
December 2002 (6)**

Peter Benjamin Abel
Brian C. Bernstein
Jason A. Hedlund

Paul Butler Kirby – *Highest Honors*

Darren Daniel Lovvorn
Jamie Booth Musselman

**Bachelor of Science
December 2002 (12)**

Nathan Alexander Bryant
Johnathan R. Bumgarner
Luis Arturo Crespo
Yann Allun Curtis
Ryan Matthew Deutsch
Robert Lawrence Dixon
Hallie Kay Garret – *Honors*
Eric Lyons
Joseph Leo Mehring – *Special Honors*
Anthony C. Rodriguez
David Peter Rodriguez
Melissa Seay-Morales

**Bachelor of Arts
May 2003 (4)**

Justin T. Hall
Jayne Belinda Hayden
Andrew Dax McDavid
Kristina M. Shevory

**Bachelor of Science
May 2003 (6)**

James Sean Ables
Charles Larry Hurst
John Stuart Larkin – *Special Honors*
Francois Mathias Lux
Brian Timothy Moore
Petros K. Papazis – *Special Honors*

Bureau of Economic Geology

by Sylvia Jennette

Director Scott W. Tinker continues to set high standards for himself and the staff at the Bureau of Economic Geology—and there's a lot to show for it.

Publications

Bureau researchers published 36 peer-reviewed articles and another 40 nonrefereed articles during the year. They attended more than 25 conferences and symposiums, presenting more than 120 talks. Bureau booths were staffed by researchers at more than 12 of these venues.

Awards

Stephen C. Ruppel received the prestigious Wallace E. Pratt Memorial Award for the best paper published in the *AAPG Bulletin* in 2001. **Charlie Kerans** toured the Middle East as an American Association of Petroleum Geologists (AAPG) International Distinguished Lecturer. **Douglas C. Ratcliff** received the Distinguished Service Award from the Gulf Coast Association of Geological Societies (GCAGS). **Scott W. Tinker** was named the Edwin Allday Chair in Subsurface Geology in the UT Department of Geological Sciences and received a Distinguished Service Award from the West Texas Geological Society. **Bob A. Hardage** received the Multi-Component Technology Pioneer award from Input/Output. **Shinichi Sakurai** won the 2002 Best Poster Award from the Society of Professional Well Log Analysts for his poster at the 2002 Annual Symposium in Oiso, Japan.

New Researchers

Several new researchers joined the Bureau this year: geophysicist **Sergey B. Fomel**, carbonate researcher **Xavier Janson**, hydrogeology researcher **Jean-Philippe Nicot**, geophysicist **Florence Bonnafte**, and IT specialist **Luciano Correa**.

Houston Research Center

The Bureau now manages a world-class core and sample repository in Houston, Texas, which was part of a major donation to UT by BP America. The Houston Research Center (HRC) contains approximately 450,000 boxes of samples and cores. Efforts are under way to establish an endowment of \$10 million to operate the facility in future years. In addition to providing a site for core research by members of the oil and gas industry and scientists studying subsurface issues, the HRC will be a venue for establishing K–12 outreach programs. Bev DeJarnett and Laura Zahm were hired to curate materials, develop programs, and provide geological services and support to clients at the facility.

Research Highlights

Lidar – The utility of the Bureau's airborne lidar and land-based ILRIS laser scanning and mapping technology is growing in both academic and industry circles. The ability to acquire detailed terrain data over large areas is revolutionizing many field studies of surficial features and active environments, such as the southern California coast, where Bureau researchers are working with scientists at the Scripps Institution of Oceanography. Land-based lidar technology is being used for outcrop characterization projects in California, Texas, Colorado, Utah, Ireland, Canada, Chile, Azerbaijan, and Saudi Arabia.

Carbon Sequestration – The Bureau is at the forefront of research, technology transfer, and outreach on geologic sequestration of CO₂ in the U.S. Gulf Coast region. These efforts include completing a national survey of geologic sequestration opportunities, field-testing of CO₂ sequestration in high-permeability

sandstone, and leading a regional consortium to develop a Gulf Coast center for carbon management.

Industrial Associates – Two new Industrial Associates (IA) programs were launched in 2002: Deep-Marine Depositional Margins Industrial Alliance (DM²), headed by Lesli Wood, and Environmental Quality Research (EQR), led by Bridget Scanlon. The Bureau now has six very successful consortium-funded IA's: Applied Geodynamics Laboratory (AGL), Exploration Geophysics Laboratory (EGL), Fracture Research and Application Consortium (FRAC), Reservoir Characterization Research Laboratory (RCRL), EQR, and DM².

International Research

Research continues in the Neogene basins of Mexico's Gulf Coast province. Sponsored by Pemex, these efforts are leading to new understanding of the basic stratigraphic and structural framework and hydrocarbon exploration potential of multiple basins. Integrated teams are studying the Laguna Madre-Tuxpan offshore area and the Miocene of the Burgos Basin that straddles the U.S./Mexico border. The Bureau is also engaged in a reservoir characterization study of Pemex's giant Poza Rica field, the largest deepwater carbonate reservoir in the world.



Bureau Research Scientist Associate Jerome Bellian explains his environmental research to middle school students visiting the Bureau.
PHOTOGRAPH PROVIDED BY SIGRID CLIFT.

Role of the Institute for Geophysics in Scientific Ocean Drilling

The Ocean Drilling Program (ODP) and its predecessor, the Deep Sea Drilling Project (DSDP), together comprise the longest-running, most successful, collaborative international project in the Earth sciences, spanning 35 years. Scientific ocean drilling has confirmed the theory of plate tectonics, documented a huge frozen methane (gas hydrate) reservoir beneath the seafloor—a potential source of future energy—discovered extensive microbial populations beneath the deep seafloor that may represent the origin of life on Earth, delineated vast sand deposits in deep water with proven hydrocarbon economic potential, described asteroid impact events, improved our understanding of Cenozoic sea-level fluctuations and changes in global ice volume, provided ultra-high resolution climate records, developed an astronomically tuned geologic time scale, and helped to calibrate the timing of ice-sheet development in Antarctica and the Arctic. Since its inception, UTIG has played an important role in both DSDP and ODP.

On October 1, 2003, the Integrated Ocean Drilling Program (IODP) will succeed ODP. For the first time, IODP will use multiple drilling platforms to address important themes in ocean drilling research that require investigation of Earth regions and planetary processes that previously were inaccessible and today remain poorly understood (see the IODP Initial Science Plan at http://www.isas-office.jp/pdf/IODP_Init_Sci_Plan.final.pdf). UTIG scientists have been leaders in ODP and IODP planning; they will continue to play central roles in managing IODP, in carrying out its science, and in related geophysical data acquisition and processing efforts. For example, until the end of 2003 UTIG's Director Paul Stoffa is the interim President of IODP Management International, Inc., the corporate entity that will manage IODP. Senior Scientist James Austin is serving as the interim Director of IODP.

Geophysical techniques that image the subsurface in order both to define drilling objectives and place drilling activities in a regional geologic context will be more important than ever in IODP. For the first time, IODP will have at its disposal Japan's riser-equipped vessel *Chikyu* to probe deeply into

active (convergent) continental margins, submarine fans, and ultimately the oceanic crust. UTIG researchers and graduate students enrolled in the Department of Geological Sciences (DGS) have been centrally involved in planning for the IODP "Seismogenic Zone" initiative by acquiring, analyzing, and interpreting a 3-D seismic survey of a portion of the Nankai accretionary prism off southeastern Japan; this survey was designed to map structures of a classic convergent continent margin en route to attempting to understand earthquake genesis on margins of this type around the world. *Chikyu* and the other IODP drilling platforms will be building on the process-oriented focus that marks the latter phase of ODP. The recent ODP Leg 204, dedicated to the study of gas hydrate formation and migration off the Oregon Coast, benefited from another imaging effort led by UTIG scientists, a high-resolution 3D seismic survey to map hydrate occurrence and distribution. ODP drilling during Legs 170 (1996) and 205 (2002) was also based largely on data acquired, processed, and interpreted by UTIG scientists and collaborators. A more recent UTIG-led seismic survey of offshore Nicaragua will be the basis for a drilling proposal, which is expected to be submitted during 2003.

UTIG scientists and DGS graduate students have been involved in DSDP and ODP through their participation on drilling legs, through service on international advisory panels and committees of the U.S. Science Support Program, and through the collection of geophysical data to characterize drill sites of all kinds. UTIG scientists will continue to play central roles in IODP in managing the program, in carrying out the science ashore and at sea, and in related data acquisition and processing efforts.

Future scientific ocean drilling will also provide scientists and students at The University of Texas at Austin, as well as other institutions of higher education throughout the State of Texas, with unprecedented opportunities for research, scholarship and education, national and international scientific collaboration, collaboration with industry on technology development and projects, joint industry-academic workshops, and activities that meet K-16 challenges in mathematics and science education and that strengthen diversity in the geosciences. IODP scientific results will also be useful to professionals throughout Texas, including exploration geologists, engineers, risk assessors, and emergency management planners.

Environmental Science Institute

by Bruce Hall

The mission of the Environmental Science Institute (ESI) is to integrate research faculty and students in Earth, life, physical, and social sciences to form interdisciplinary programs that focus on environmental science research, education, and outreach. The geological sciences play a key role in this integrative process. The ESI has implemented several new programs this year.

GK-12 Program

The National Science Foundation has awarded the ESI a grant to fund 10 graduate Fellows to partner with K-12 teachers. These Fellows work with teachers and their classes to enhance science, technology, engineering, and mathematics education by developing new inquiry-based learning activities.

ESI has developed a series of workshops for K-12 educators that develop concepts of hydrogeology and environmental impact and expand the educators' content knowledge while providing new classroom and field activities.

The workshops have expanded on topics presented in the ESI's Outreach Lecture Series. Principal investigators for the project are Drs. Ken Dunton of the Marine Science Institute, Jay Banner, Ian Dalziel, and Katherine Ellins of the Jackson School for Geosciences, and James Barufaldi of the Department of Curriculum and Instruction. Geological Sciences graduate students who have been awarded GK-12 fellowships this year include: Johnathan Bumgarner, Dennis Ruez, Matt Morris, and Nedra Alexander. Fellows are working in classrooms in the Austin, Round Rock, Leander, Flour Bluff, and Port Aransas Independent School Districts.

An example GK-12 activity is the Science Olympiad

competition team at Kealing Middle School in Austin. Fellow Dennis Ruez helped coach the team for this year's tournaments. Kealing won the state title this year.

Outreach Lecture Series

The ESI has expanded the Outreach Lecture Series that is designed for the public in general and for K-12 science teachers in particular. The Outreach Lectures are now webcast live on the Internet. Lectures from the past year include: *Biological Weapons and Bioterrorism* by Dr. Brent Iverson, *The Edwards Aquifer: Will There Be Water For Texas?* by Dr. John Sharp, *Beyond Our Solar System: The Search for Extrasolar Planetary Systems* by Dr. William Cochran, *I Spy... Seeing Our Environment in a New Light: The Technology of Remote Sensing* by Dr. Kelley Crews-Meyer, *Life on a Human-Dominated Earth: The Challenges Ahead* by Dr. G. David Tilman, and *Global Death and Construction: Earthquakes on an Urban Planet* by Dr. Roger Bilham.

Student Symposium

At the Graduate Fellows Symposium, nine graduate Fellows presented initial results of ESI-supported research during the previous summer. The studies included soil erosion modeling in Mexico, aquatic turtle habitats in Mexico, tree gaps in rainforests of Costa Rica, karst and aquifer formation in Mexico, water uptake in ashe juniper, and groundwater exchange in Nueces Bay.

Student Funding Opportunities

The National Science Foundation recently funded ESI's new Research Experience for Undergraduates Program, which is aimed at involving

undergraduates in scientific research in order to encourage more students to pursue careers in science. Students from around the state of Texas will come to Austin each summer to work on interdisciplinary field and laboratory projects. In Fall 2003, the Fund for the Improvement of Postsecondary Education will sponsor a University of Texas and student exchange program with two Brazilian universities. The exchange program will provide U.S. and Brazilian students with one-semester fellowships to study and learn from the perspective and experiences of the other nation.

New Research Projects

Several new ESI research projects have recently been undertaken by Geological Sciences faculty and graduate students. These include the following projects directed by Dr. Zong-Liang Yang: 1) Parameterization of Snow Cover Fraction in Climate and Weather Prediction Models, funded by NASA's Global Water Cycles Program; 2) Understanding and Simulation of the Effects of Vegetation on North American Monsoon Precipitation, funded by NOAA's Office for Global Change; and 3) Improving the Representation of Land in Climate Models by Application of EOS Observations, funded by NASA's Earth Observing Satellite Program. Dr. Libby Stern is directing a new project, in collaboration with researchers at Texas A&M, to investigate the role of woody plants in the water cycle, funded by NSF's Hydrological Sciences Water Cycle Research Program.

The ESI's offices are housed on the fifth floor of the new wing of the Jackson Building. You can visit the ESI there, or at www.geo.utexas.edu.

Walter Geology Library *Dennis Trombatore*

Wow! Not an immortal word, perhaps, but a pleasing one, and the one most often uttered by new visitors to our reopened space in GEO 4202. Culminating in the dedication ceremony on April 25, 2003, the long process of remodeling and adding on to the Walter Library is finally completed. The books are back from their uncomfortable storage in the Collections Deposit Library, the maps are back from their sojourn to PCL, the staff have all returned from PCL, Life Sciences Library, and the tiny office on the old hallway where they went to wait out the dust and confusion. The daily lugging of cartons of books back and forth in the Department vehicle is now also a distant memory. To paraphrase, "O Library, What Changes Hast Thou Seen!"

To begin, many, many thanks to Elizabeth Walter Keeney, Joseph C. (Rusty) Walter III, and Carole Looke, for the Walter Family's very generous \$1.2 million donation to cover the costs of remodeling the old facility to match the new entrance and reading room constructed as part of the Jackson Building. This long-looked-for renovation has provided the library not only with many years of growth space but also with the kind of fundamental change that will sustain the facility for decades.

Thanks as well to the legion of General Libraries staff, particularly Kay Sewell, George Cogswell, Joe Lucas and his teams, and the great folks from Transportation and General Construction who dismantled the entire library, removed it, and returned it intact. Without the contributions of these

and many more people from around campus, and the good work of the architects, designers, and contractors, this project could not have been accomplished. Finally, a great big THANKS! to Bill Carlson, who shepherded this project through one agonizing meeting after another. We think the results are worth the wait (and the dust, and the noise, and the hassle!) and we hope you can come visit soon, or at least browse some of the before and after photos on our web site: <http://www.lib.utexas.edu/geo/> (see About the Library).

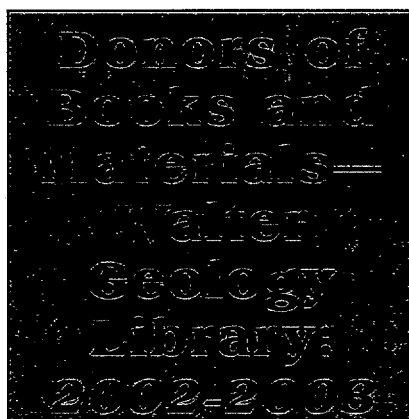
Not all the news is good, however. The General Libraries has been pinched suddenly and hard by the mid-year reduction in funding and the downturn in funding for the next biennium. We are anticipating reductions in staffing and acquisitions funding, but the details are not finalized yet. Indications are that the tight situation will be a continuing one, with both State appropriations and endowment fund earnings trending downward for the near term. Certainly our endowments help take some of the sting out of our materials acquisitions budget woes, though staffing reductions, if they are severe, could affect services. Any changes in service hours will be posted on our web site and on our voice mail message.

In staff news, Jim McCulloch retired on the day the new facility opened, January 31, and we wish him health and happiness in his new life. Thanks, Jim, for all your contributions! Our new Library Assistant III is Vickie Drake, who

will pick up where Jim left off. Vickie was the night supervisor at the Engineering Library for several years, and she is settling in nicely, so please welcome her. Anne Nguyen, who has worked here her entire undergraduate career, graduated in May with a double major in neurobiology and psychology, and will be leaving us soon, which makes us all sad. Anne hopes to be off to medical school in a year, so we'll be seeing her in the cardiologist's office eventually! Thanks, Anne, don't forget to send cookies!

In other news, Dennis Trombatore continues to serve on the GeoRef Advisory Committee, and the Walter Library's collection continues to be a regular contributor of citations to add to the database. The American Geological Institute, producer of GeoRef, has now formalized this arrangement by having an Austin-based indexer work at the Walter Library part-time, adding citations to the database from our holdings. Meanwhile, the ARCO library gift review is only about 75% complete; there were too many construction meetings to finish it this year! We've added hundreds of volumes this year, and we are pleased to have the space now to shelve it all.

The second installment of our historic texts digitization project, "Virtual Landscapes of Texas," grant proposal to the Texas State Library's TexTreasures program was funded, with supplemental support from the Walter Fund, and those materials should begin to appear on the web, accompanying our Dumble Survey materials, later this year.



Robert Blodgett
 Richard Buffler
 Mark Cloos
 Patricia W. Dickerson
 Joan Echols
 William L. Fisher
 Robert L. Folk
 William E. Galloway
 Phylliss Hasson
 J. Richard Kyle
 Wann Langston
 Leon Long
 Ernest Lundelius, Jr.
 E. F. McBride
 Fred McDowell
 Kitty Milliken
 William Muehlberger
 Republic of Tunisia
 Ministry of Agriculture
 Amos Salvador
 Schlumberger
 Thomas Serenko
 John M. Sharp
 Sociedad Geologica
 Mexicana
 James Sprinkle
 Libby Stern
 Sarah B. White
 Clark Wilson
 Charles M. Woodruff, Jr.
 Keith Young

TEXAS MEMORIAL MUSEUM

Conserving the Recent to help decipher the past while preparing for the future: a year of progress at the Non-vertebrate Paleontology Lab.

By Ann Molineux

Paleontology collections often encompass a Recent comparative collection, and part of this year's effort went to curation of two worldwide Recent collections: the mainly terrestrial mollusc collection of J. D. Singley and H. G. Askew, and the extensive marine mollusc collection of Jean Andrews. Much work by graduate student Jackson Dodd and volunteers Bill Drummond and Holley Tondre has resulted in the identification, conservation, and addition to the database of over 15,000 specimens from the Andrews collection alone.

Moving into the past, graduate student Nina Triche worked among the Cretaceous rudists, those truly bizarre bivalves. Those varieties with thin aragonitic shells may often produce ideal reservoir rocks and are of great interest to oil companies. Nina began the process of creating a distinct rudist taxonomic collection, pulling specimens from all parts of the repository, conserving the specimens, and adding their data into the database. In the fall the NPL staff presented a compelling talk about the collection to the International Rudist Congress in Rovinj, Croatia. Result? Their next meeting in 2005 will be held here in Austin!

Striving to improve efficiency with limited staff is always a top priority. This year graduate student Dave Dufeu and high school volunteer Christina Skelton mapped all our repository areas, and now we are busy linking those GIS maps to our database. The net result will be easier access for students new to the collections. Viewers will be able to see what collection, even what individual specimen, is located in which drawer, and where that drawer can be found within the large repository. Considering that we have over 4 million specimens and 7000 drawers, this system will revolutionize searches for loan specimens and improve monitoring of collections that have potential problems or special needs. Specimens from the Jurassic Kimmeridge clay and the Cretaceous Buda limestone are notable examples. The first suffers from severe pyrite disintegration ("Pyrite disease"), and the latter is prone to efflorescence ("Byne's Disease"), probably helped by the high clay content in this limestone. Dave Dufeu can attest to long hours providing remedial care to the crumbling specimens.

In March we presented a poster of the completed "IMPACT: Texas" (our educational CD addressing tektites and meteorites) at the Lunar and Planetary Institute in Houston, and feedback has been extremely positive. Hard work by students Melissa Gunter and Tim Gibbons was crucial to the success of this project. The on-line database component is now functional, although still in test phase; it will be our first database to be accessible via the Web. Exciting developments have evolved from the modeling of the Odessa meteorite impact for that CD. David Littlefield and his graduate student Paul Bauman in TICAM (Texas Institute of Computational and Applied Mathematics) have found that as the model becomes more sophisticated and more closely reproduces the structures observed at Odessa it is clear that the historically estimated size, impact speed, and angle of impact will all have to be rethought. Good basic geology from the 1940's WPA (Works Progress Administration) project organized by E. H. Sellards of the BEG (Bureau of Economic Geology) and overseen by Glen Evans, coupled with modern models and supercomputing ability, produce surprising results.

The *Keith and Ann Young Fund for the Curation of Non-vertebrate Collections* is now endowed and currently standing at over \$30,000. If we reach our next goal of \$50,000 by the end of 2003, we should be well on the way to being able to support a graduate student for the summer of 2005, when the International Rudist Congress will be meeting here. This meeting will be dedicated to the work of Keith Young, and it will be fitting to be able to support a student by then. Thank you for your generous support, and special thanks to Don Sheffield, who made sure that we made the minimum level for endowment.

Over the course of the year, 162 visitors provided diversion into Cretaceous micro-morph ammonites and oysters, Tertiary echinoids and gastropods, Paleozoic echinoids and brachiopods, and meteorites and minerals. NPL staff were kept busy by searches for the very best specimens to display in the new Natural Wonders exhibit currently at TMM (Texas Memorial Museum), displays for the new Jackson School, and the upcoming new Hall of Geology exhibit, which opens at TMM in January 2004. Outreach has included talks to numerous local organizations around the state, displays at several Gem and Mineral Shows and educational events, and hosting group visits to NPL, in addition to regular professional presentations.

Vertebrate Paleontology Laboratory

By Timothy Rowe

Director, Vertebrate Paleontology Laboratory

New exhibits and fieldwork in the Triassic and Quaternary highlight recent activities that have kept the Vertebrate Paleontology Laboratory on its toes over the last months.

We are proud to report that the grand opening of the Austin Nature and Science Center's "Dino Pit" occurred in May, with Austin's Mayor Garcia and Mayor-Elect Wynn cutting the ribbon. This project raised \$1 million in philanthropic donations that were contributed entirely by the Austin community. The funds allowed us to mold and then make concrete casts of real Texas fossils. The casts were installed in children's fossil discovery sites – sand pits in which the fossils are buried – at the beautiful Austin Nature and Science Center.

Graduate students John Franzosa (left) and Ted Macrini (right) excavate a beautiful, complete phytosaur skull in the scenic Petrified Forest beds of northern Arizona, summer 2002. PHOTOGRAPH PROVIDED BY TIM ROWE.



Our crew of UT graduate and undergraduate students was joined by a group from Yale University's Peabody Museum of Natural History, to help excavate a 30-foot-long phytosaur skeleton from the scenic Petrified Forest beds of northern Arizona, summer 2002. PHOTOGRAPH PROVIDED BY TIM ROWE.



The life-sized Dino Pit casts include the famous "Onion Creek Mosasaur," which is 30 feet long and was discovered by a UT Geology undergraduate back in the 1930's. The Shoal Creek Plesiosaur, collected by VPL staff in 1987, is also included, along with mammoth and mastodon bones excavated from Quaternary terraces of the Colorado River by Dr. Ernie Lundelius, Jr., and a VPL crew in 1985. Kids (and adults) visiting the site encounter sand-filled pits, and with hand shovels and whiskbrooms they can re-excavate the realistic replicas of these famous Texas fossils. Since its opening in May, the Dino Pit has been absolutely choked with kids and their parents, as they discover for themselves fossils from the Texas Permian, Cretaceous, and Cenozoic. The only complaint so far has been the heat, something we threw in for free, to make the whole experience more authentic.

The Vertebrate Paleontology Laboratory is also in the midst of the first major renovation in decades of the exhibition halls of the Texas Memorial Museum. Hundreds of new fossils, both vertebrate and non-vertebrate, are being mounted for display. Also slated for the exhibit will be many of TMM's exquisite gems and meteorites. The new exhibit will occupy the entire ground floor of the Museum's campus exhibit hall.

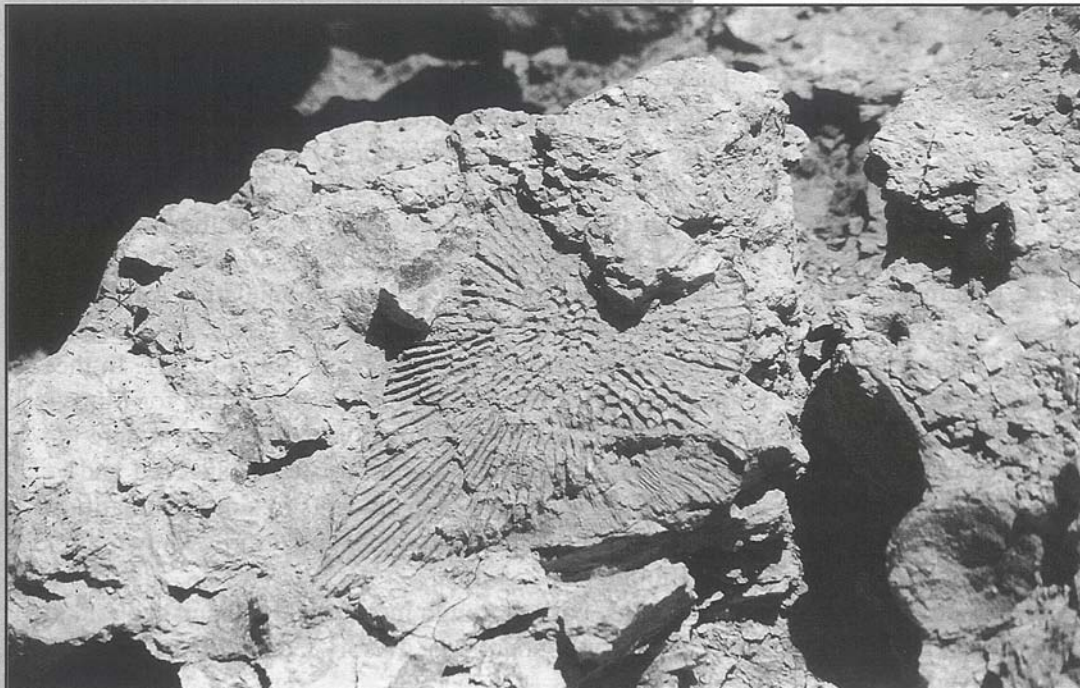
VPL's master craftsman Bob Rainey is supervising new welded mounts for all specimens, and designer John Maisano has developed an exciting new design and "look" for the hall. To say that the new exhibit is a huge job is a real understatement. On our plate for this week is the task of moving a specimen of the giant Cretaceous fish *Xiphactinus*, which is 14 feet long and weighs in the neighborhood of 2,000 lbs. Last month, Bob and crew hung a mounted plesiosaur skeleton from the ceiling, and many other big, heavy, and delicate jobs remain to be completed. Several graduate students are involved

in the process, and they are enjoying the chance to learn first-hand how to build a major new exhibit of fossils.

Many of the specimens that were cast for the Dino Pit will be on display in the new TMM exhibit. The exhibit is scheduled to open on January 2, 2004. When it does, UT students and the rest of the Austin community can see the "real things" on display at the TMM, and then they can visit the Dino Pit to rediscover the specimens for themselves. We anticipate that this combination of exhibits will make Austin the dinosaur capital of Texas.

Our community and exhibit work have taken most of our time, but a crew from VPL was able to spend about a month in the Triassic Chinle Formation of Arizona recently. Our work there is aimed at complementing our existing collections of Texas Triassic vertebrates collected from the Dockum sediments by TMM staff over the years. Our field site is on the beautiful Colorado Plateau, adjacent to Petrified Forest National Park, and the grounds are littered with bone. A field crew from Yale University joined us for several days to help collect a great bonanza of phytosaurs, metoposaurs, and some exciting small vertebrates.

Dr. Chris Bell also led a team to Cathedral Cave, in central Nevada, to excavate an unbelievably rich deposit of Quaternary vertebrates. Preliminary washing and picking of the first few bags of collected matrix indicate that tens of thousands of important specimens will be recovered during the course of this work. We look forward to returning next season to both sites, and to some comparatively relaxing fieldwork after the frantic push to open the new exhibits is past.



A rare, complete interclavicle of a giant metoposauroid amphibian, from the Triassic Chinle Formation of Arizona, summer 2002.
PHOTOGRAPH PROVIDED BY TIM ROWE.

RICHARD R. BLOOMER

Honorary Life Member



*Photo: Dick Bloomer
Honorary Member of AAPG*

At the spring meeting of the Geology Foundation Advisory Council, Dr. Richard R. Bloomer was elected by his peers as Honorary Life Member. Of the 148 members who have served on the Advisory Council, only 25 have previously been elected to Honorary Life Membership.

Dick Bloomer is a prominent independent geologist who along with his late wife, Anne, discovered their first oil field in 1954. Dick has been successfully involved in

exploration on the Eastern Shelf of the Permian Basin ever since. Dick was one of the first geologists to recognize that many of the shallow oil fields on the Eastern Shelf were producing from channel sandstones. He correlated these sandstones basinward and discovered that they were the source of reservoir sandstone deltas and submarine canyon fans. This model not only was the basis for many discoveries, but Dick's concept was also the basis of his AAPG Distinguished Lectureship.

Dick Bloomer is a native of Virginia, receiving his B.S. and M.A. degrees in geology from the University of Virginia. He was offered a teaching fellowship at the University of Texas, Austin, for the fall 1941 semester, but instead he joined the U.S. Army Air Corps, piloting bombers over the Hump. He returned to UT in 1946 to join the faculty as a geology instructor. In 1948 Dick married his life partner, Anne Egdorf, then a geology student in one of Dick's classes, and he completed his Ph.D. in 1949.

Dick was active in the Abilene Geological Society, where he was President and received Honorary Life Membership, and also in the Southwest Section of AAPG, where he was President and the first recipient of the Cheney Science Award. Dr. Bloomer served as Secretary of the AAPG in 1985 to 1987 and was elected Honorary Member in 1988.

Dick Bloomer joined the Geology Foundation Advisory Council in 1982. He served two 2-year terms, one as Vice Chairman and one as Chairman from 1997 to 2001. In the Foundation, Dick established the Bloomer Fund for Motivated Students. Recalling his freshman year in college where he received poor grades but was motivated to succeed and improve, Dick wanted to help students in similar situations. Recipients through the years have come to be known as "Late Bloomers."

Dick joins, with thorough merit, the distinguished ranks of the Geology Foundation Advisory Council Honorary Life Members.

L. DECKER DAWSON

Honorary Life Member



L. Decker Dawson
Past President of the Society of Exploration Geophysicists

At the spring meeting of the Geology Foundation Advisory Council, Mr. L. Decker Dawson was elected by his peers as Honorary Life Member. Of the 148 members who have served on the Advisory Council, only 25 have previously been elected to Honorary Life Membership.

Decker Dawson is a prominent businessman, founder, and president of Dawson Geophysical Company, a major geophysical exploration company, headquartered in Midland. He has served as President of the Society of Exploration Geophysicists and in 1997 received the prestigious Enterprise Award from the Society. Decker is also Past President and Honorary Life Member of the Permian Basin Geophysical Society, as well as a Director, Past Chairman, and Honorary Life Member of the International Association of Geophysical Contractors. In 1997, he was inducted into the Midland Petroleum Museum Hall of Fame, and in 2003 he was inducted into the College of Natural Sciences, The University of Texas at Austin, Hall of Honor.

Mr. Dawson is a long-time supporter of and counselor to the Geology Foundation and the Jackson School of Geosciences. He joined the Advisory Council of the Foundation in 1977 and served 2 years as Vice Chairman and 2 years as Chairman from 1999 to 2003.

Decker is the prime leader on the Council in developing our program in Exploration Geophysics, having recently established the endowed L. Decker Dawson Fund in Exploration Geophysics, with substantial personal contributions. In 2003, the geophysics wing of the new Jackson Geological Sciences Building was officially dedicated as the L. Decker Dawson Exploration Geophysics Training Center.

Decker joins, with thorough merit, the distinguished ranks of the Geology Foundation Advisory Council Honorary Life Members.

Geology Foundation Advisory Council News

The 94th meeting of the Geology Foundation Advisory Council took place in Austin on April 25-26, 2003, as part of the dedication of the John A. and Katherine G. Jackson Geological Sciences Building and the celebration of the 50th Anniversary of the Geology Foundation.

The Foundation and its Advisory Council was formed by The University of Texas Board of Regents in 1953 to enhance and enrich geological education, training, and research at The University, making it one of the very first foundations of The University and the first and only one originally at the departmental level. Shortly after formation, the Foundation had total assets of \$1,010 and no endowments. Today, Foundation assets have a book value of nearly \$40 million and a market value, even with the substantial market downturn in recent years, well in excess of \$50 million, and more than 120 specifically endowed accounts.

A special symposium on "Priorities in the Geosciences" was held in the Don R. Boyd Auditorium on April 25, 2003, to mark both



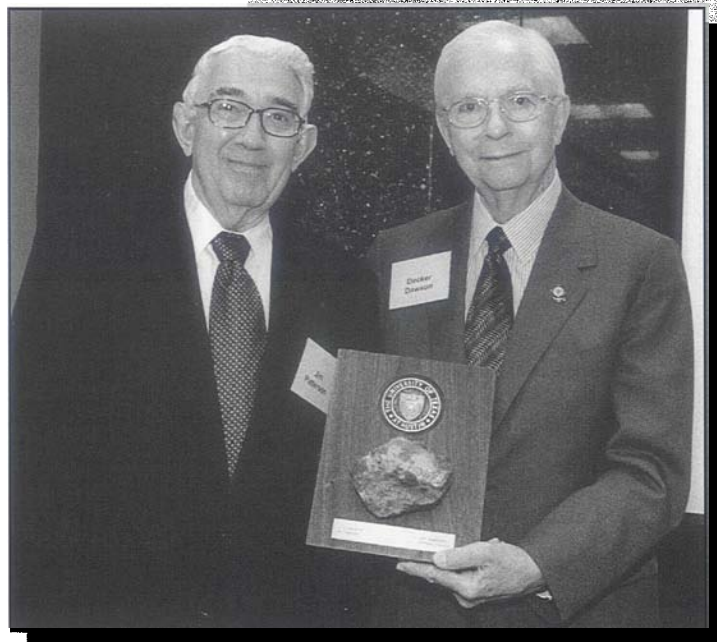
*Left to right:
Weyman Crawford,
Charles Weiner,
Charles Williamson,
and Fred Oliver during
the coffee break at the
Fall Advisory Council
Meeting, October 25, 2002.*

the building dedication and the 50th anniversary. At a Friday evening reception and dinner before the Saturday meeting of the Advisory Council, members of the Council, Jackson School members, and invited guests heard from UT President Larry R. Faulkner. The balance of the program was a retrospective look at the Foundation over the past 50 years by Flawn Chair Emeritus, former Dean, and former Foundation Director Bob Boyer, and a prospective look at the Foundation and School by Allday Chair and Bureau of Economic Geology Director Scott Tinker.

The Foundation is governed by the Executive Committee, chaired by Foundation Director Bill Fisher, and consisting of Department of Geological Sciences Chair Gary Kocurek, Bureau of Economic Geology Director Scott Tinker, and Institute for Geophysics Director Paul Stoffa.

The prominent part of the Geology Foundation is its Advisory Council, currently consisting of 41 members and 7 honorary life members, drawn from the energy and environmental industries, government, and academia. The Council supports and counsels the Foundation Director and the Executive Committee. The outgoing Chairman of the Council, having served two terms, is Mr. L. Decker Dawson, Chairman of Dawson Geophysical Company in Midland; on September 1, 2003, he will be succeeded by the current Vice Chairman as incoming Chairman, Mr. James C. Patterson, retired from Conoco in Houston. The incoming Vice Chairman is Mr. Fred L. Oliver, President of PVT, Inc., in Dallas. A committee of the Council, chaired by Russell G. Slayback Chairman of Legette, Brashears & Graham, Inc., Trumbull, Connecticut, serves as an advisory committee to the Bureau of Economic Geology. The Advisory Council meets twice a year, regularly in the spring and fall.

Elected to Honorary Life Membership during the spring 2003 meeting were Mr. L. Decker Dawson and Dr. Richard R. Bloomer, Independent Geologists in Abilene and Lago Vista, respectively. Election to Honorary Life Membership is by the sitting members of the Foundation. Of the 148 distinguished geoscientists that have or are serving on the Advisory Council, only 27 have been elected to Honorary Life Membership. Congratulations to Decker and Dick.



James C. Patterson, incoming Advisory Council Chairman (left) with L. Decker Dawson, outgoing Advisory Council Chairman (right), at the Spring Advisory Council Meeting, April 26, 2003.



Dan Smith, new Advisory Council Member. PHOTOGRAPH PROVIDED BY DAN SMITH.



William D. "Dusty" Marshall
new Advisory Council Member
Photograph provided by Dusty Marshall



Bryan Wagner, new Advisory Council Member
Photograph provided by Bryan Wagner

Joining the Advisory Council in September 2003 are Mr. William D. "Dusty" Marshall, Vice President, U.S. Exploration, Amerada Hess Corporation in Houston, Mr. Daniel L. Smith, Executive Vice President, Exploration, Sandalwood Oil & Gas, Inc. in Houston, and Mr. Bryan Wagner, Owner and President, Wagner Oil Company in Fort Worth.

During the 2002-2003 academic year, two new accounts were established in the Geology Foundation. The Arthur E. Maxwell Graduate Fellowship in Geophysics was endowed by a major donation from Dr. James A. Austin, Jr., to establish this fellowship for the benefit of the Institute for Geophysics and to support full-time graduate students in a program leading to a graduate degree who are conducting research at the Institute for Geophysics. This Fund was established in honor of Dr. Maxwell in recognition of his distinguished career in oceanography and his leadership in developing the Institute for Geophysics. The Keith and Ann Young Endowed Fund for the Curation of Non-vertebrate Collections was endowed in the Foundation thanks to the hard work of Dr. Ann Molineux and donations from former students, faculty, and friends of the Youngs. This Fund was established to honor the extensive work of Keith Young, Emeritus Professor of Geology in the Department of Geological Sciences, and for his care and management of large collections of research specimens and documents. This Fund is to be used to support graduate student research as research assistants for curation within the Non-vertebrate Collections held in the Texas Memorial Museum.

Contributions from companies for the 2002-2003 academic year totaled \$238,491. Companies including bp Amoco, ChevronTexaco, ConocoPhillips, El Paso Corporate Foundation, and Marathon provided \$84,000 in support for graduate students. ConocoPhillips contributed \$4,000 toward undergraduate summer field course scholarships. Support for other programs, such as EDGER Forum, Mesozoic Margins, and various other programs, totaled \$150,491 and included contributions from Anadarko, bp Amoco, ChevronTexaco, ConocoPhillips, ExxonMobil, Occidental Oil and Gas, Pioneer Natural Resources, Shell, and Statoil. Total contributions from companies, ex-students, and friends were \$426,196 in much-appreciated expendable funds during the June 1, 2002, through May 31, 2003, time period. The Foundation also received income in the form of scholarships from the Dorothy B. Banks Charitable Trust, administered by the San Antonio Area Foundation, in the amount of \$104,363 for this past academic year.

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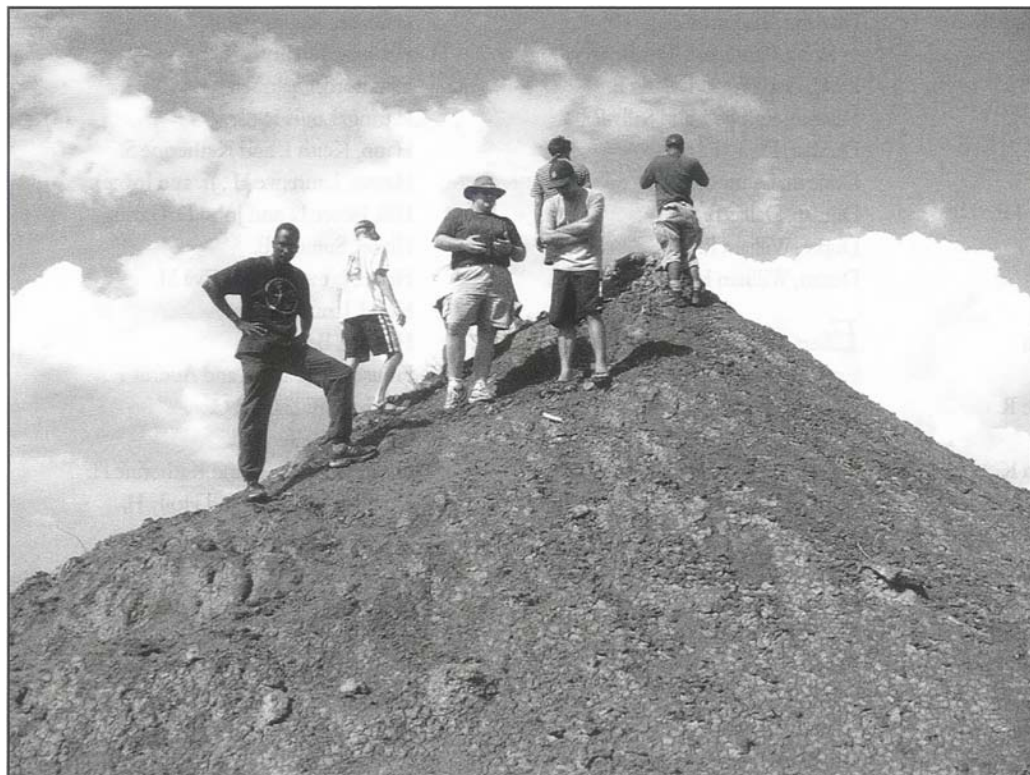
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As of September 1, 2003



Members of the Basin Analysis seminar examine a mud volcano in southern Trinidad. Hasley Vincent (left) of the Trinidad Petroleum Ministry looks on as co-leader Dr. Lesli Wood (third from the left) discusses fluid processes.
PHOTOGRAPH PROVIDED
BY WILLIAM E. GALLOWAY.

GIFTS TO THE GEOLOGY FOUNDATION

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GEOLOGY FOUNDATION ENDOWED ACCOUNTS Values as of May 31, 2003

	<i>Book Value</i>	<i>Market Value</i>
Edwin Allday Centennial Chair in Subsurface Geology Income supplements salary and supports research of recipient	\$893,963	\$1,546,862
Edwin Allday Lectureship in Geological Sciences Provides for guest lectures in geological sciences	\$205,743	\$304,036
Mary and Ben Anderson Endowment for Graduate Studies in Geology Supports graduate students and graduate programs in geology	\$45,435	\$66,757
Millard B. Arick Memorial Fund in Petroleum Geology Supports students to further interest in finding and producing more oil in Texas	\$13,920	\$14,601
Virgil E. and Mildred L. Barnes Distinguished Lecture Series in Geology Provides for guest lectures in geological sciences	\$47,445	\$46,918
Col. E. M. Barron Trust Account Supports the Barron Mineral Collection	\$140,106	\$267,792
Leonidas T. Barrow Centennial Chair in Mineral Resources Development of programs of excellence in mineral resources; income supplements salary and supports research of recipient	\$1,160,254	\$2,321,233
Laura Thomson Barrow Graduate Fellowship Supports graduate students specializing in natural resources; special consideration for female students and students concentrating in field-oriented studies	\$284,793	\$450,231

	<i>Book Value</i>	<i>Market Value</i>
Barrow Periodical Fund Purchase periodicals for the Walter Geology Library	\$239,708	\$291,400
Bloomer Fund for Motivated Students Financial aid for students not qualified for scholarships	\$143,301	\$234,916
Leslie Bowling Professorship To attract persons from industry and government for short-term appointments of the faculty	\$283,736	\$390,487
Wayne Franklin Bowman Endowed Presidential Scholarship Unrestricted geology scholarships	\$127,590	\$256,994
Don R. Boyd Endowed Fund Enhance geological training and research	\$44,929	\$42,284
Don R. and Patricia Kidd Boyd Lectureship in Petroleum Exploration Provides for guest lecturer in petroleum exploration	\$64,719	\$113,809
Brahman Energy Company Scholarship Fund Senior field course scholarship	\$22,133	\$45,377
Charl A. M. Broquet Memorial Endowed Scholarship Fund Graduate student scholarship	\$14,776	\$14,094
Jesse L. Brundrett Memorial Endowed Presidential Scholarship Graduate student scholarship	\$54,115	\$85,164
Fred M. Bullard Professorship in Geological Sciences Excellence in teaching, income supplements salary and supports research of recipient	\$383,442	\$438,730

	<i>Book Value</i>	<i>Market Value</i>
Fred M. Bullard Student Research Fund Supports student research in volcanology, geothermal energy, and related fields of study	\$28,413	\$25,413
Thomas and Ray Burke Student Job Program Jobs for students in geologic work related to faculty research	\$259,211	\$258,729
Hal H. Bybee Memorial Fund Student field support or support of students researching geologic issues related to public policy	\$141,434	\$191,342
Hal P. Bybee Memorial Fund Faculty use for research, travel, study, etc.	\$668,186	\$1,273,474
L. W. Callender Memorial Fund Department use, unrestricted	\$64,033	\$134,943
Dave P. Carlton Centennial Professorship in Geology Income supplements salary and supports research of recipient	\$745,648	\$1,444,599
Dave P. Carlton Centennial Professorship in Geophysics Income supplements salary and supports research of recipient	\$580,450	\$1,196,914
Dorothy Ogden Carsey Memorial Scholarship Fund Geology scholarships, any level, special consideration to micropaleontology students	\$234,075	\$342,733
J. Ben Carsey, Sr. Special Maintenance Fund Maintains teaching and research equipment	\$208,538	\$279,948
Chevron Centennial Professorship in Geology Income supplements salary and supports research of recipient	\$292,062	\$558,801

	<i>Book Value</i>	<i>Market Value</i>
S. E. Clabaugh Fund in Hard-Rock Geology Supports research in hard-rock geology	\$53,077	\$88,383
W. Kenley Clark Memorial Endowed Presidential Scholarship Geology scholarships, any level	\$55,568	\$107,774
Joseph S. Cullinan Memorial Scholarship in Geological Sciences Scholarship in petroleum or field geology	\$49,501	\$105,238
Robert H. Cuyler Endowed Presidential Scholarship Undergraduate (upper-division) and graduate scholarships	\$76,756	\$144,993
Morgan J. Davis Centennial Chair in Petroleum Geology Income supplements salary and supports research of recipient	\$977,728	\$1,835,857
L. Decker Dawson Fund in Exploration Geophysics Supports activities in exploration geophysics	\$1,025,881	\$929,166
Ronald K. DeFord Field Scholarship Fund Field studies for graduate students	\$240,489	\$448,436
Alexander Deussen Professorship in Energy Resources Development of programs of excellence in energy resource, income supplements salary and supports research of recipient	\$287,096	\$450,606
Michael Bruce Duchin Centennial Memorial Endowed Presidential Scholarship Scholarship for Master's candidate with preference toward general geology	\$62,236	\$105,098

	<i>Book Value</i>	<i>Market Value</i>
Elf Aquitaine Petroleum Faculty Fellowship in Geological Sciences Income supplements salary and supports research of junior faculty member	\$215,690	\$347,204
John E. "Brick" Elliott Centennial Endowed Professorship in Geological Sciences Income supplements salary and supports research of recipient	\$360,543	\$751,761
Samuel P. Ellison, Jr. Fund For Department <i>Newsletter</i> and support of faculty-alumni functions	\$112,386	\$202,549
Energy and Mineral Resources Fund Supports programs and students in energy and mineral resources	\$34,433	\$71,791
William Stamps Farish Chair in Geology Income supplements salary and supports research of recipient	\$489,309	\$963,486
Peter T. Flawn Centennial Chair in Geology Income supplements salary and supports research of recipient	\$845,977	\$1,616,015
R. L. Folk / E. F. McBride Petrography Fund Supports petrography program and annual awards to students	\$37,863	\$35,275
Robert L. Folk Excellence Fund in Geological Sciences To support excellence in geological sciences	\$86,171	\$89,740
Geology Foundation Advisory Council Centennial Teaching Fellowship Income supplements salary and supports research of junior faculty member	\$118,459	\$199,850
Geology Foundation Excellence Fund Unrestricted funds for any purpose of the Foundation	\$114,059	\$167,492

	<i>Book Value</i>	<i>Market Value</i>
Getty Oil Company Centennial Chair in Geological Sciences Income supplements salary and supports research of recipient	\$1,003,073	\$2,008,819
Graduate Fellowship in Exploration Geophysics Provides one graduate fellowship in exploration geophysics	\$530,359	\$485,717
Miss Effie Graves Scholarship Fund Geological sciences student scholarships	\$31,918	\$71,927
Guy E. Green Endowed Presidential Scholarship Geology scholarships, any level	\$38,744	\$77,584
J. Nalle Gregory Chair in Sedimentary Geology Development of program of excellence in sedimentary geology, income supplements salary and supports research of recipient	\$774,630	\$1,376,057
J. Nalle Gregory Regents Professorship in Geological Sciences Income supplements salary and supports research of recipient	\$338,665	\$544,199
Thelma Lynn Guion Geology Library Staff Award For recognition of excellence by Geology Library staff	\$17,705	\$20,297
Karl Frederick Hagemeier, Jr. Memorial Endowed Presidential Scholarship General geology scholarships, any level, with preference to students from Brazoria or Kerr counties	\$48,494	\$78,718
George S. Heyer Memorial Fund Any purpose of the Foundation	\$108,119	\$239,084
Bill D. Holland Endowed Presidential Scholarship in Geological Sciences Scholarship for a Texas student who plans to pursue a career in the oil and gas industry	\$44,171	\$45,464

	<i>Book Value</i>	<i>Market Value</i>
Houston Oil and Minerals Corporation Faculty Excellence Awards In recognition of outstanding service and special contributions to the teaching and research programs	\$62,227	\$124,457
F. Earl Ingerson Graduate Research Assistance Fund in Geochemistry Research assistance to graduate students in geochemistry	\$63,285	\$95,905
John A. and Katherine G. Jackson Centennial Teaching Fellowship in Geological Sciences Income supplements salary and supports research of junior faculty member	\$178,148	\$311,723
John A. and Katherine G. Jackson Endowed Fund Supports the Jackson School of Geological Sciences	\$10,002,171	\$10,074,227
John A. and Katherine G. Jackson Exploration Geophysics Fund Supports Department's activities in the area of exploration geophysics	\$26,079	\$23,981
John A. and Katherine G. Jackson Fellowship in Geohydrology Graduate fellowship in geohydrology	\$289,582	\$359,919
G. Moses and Carolyn G. Knebel Teaching Fund Promotes teaching excellence in geological sciences	\$107,314	\$211,481
Martin B. Lagoe Student Research Fund for Micropaleontology Supports students studying in the area of micropaleontology	\$35,512	\$39,630
Clara Jones Langston Centennial Lectureship in Vertebrate Paleontology Provides for guest lectures in vertebrate paleontology	\$27,793	\$52,749

	<i>Book Value</i>	<i>Market Value</i>
J. Donald Langston Special Operations Fund Purchases teaching and research equipment	\$337,551	\$481,325
Wann and Marietta Langston Research Fund in Vertebrate Paleontology Faculty research in vertebrate paleontology	\$128,519	\$250,337
Jack K. Larsen-Mesa Petroleum Company Fund in Sedimentary Geology Supports student fieldwork in sedimentary geology	\$171,329	\$339,714
Howard R. Lowe Vertebrate Paleontology Endowment Supports student fieldwork in vertebrate paleontology	\$40,013	\$78,039
J. Hoover Mackin Memorial Scholarship Fund Graduate geology scholarship	\$30,892	\$59,232
George W. Marshall, Jr. Memorial Endowed Presidential Scholarship Graduate scholarship in general geology	\$42,579	\$62,037
Arthur E. Maxwell Graduate Fellowship in Geophysics Graduate scholarship for students working at the Institute for Geophysics	\$102,800	\$105,512
John C. and Marian B. Maxwell Undergraduate Scholarship Fund Supports aspiring undergraduates in Geological Sciences	\$120,247	\$113,600
Jack H. Mayfield, Jr. Fund for Excellence in Geological Sciences For innovative projects in geoscience instruction and research and for unrestricted support for continuing programs of teaching and research	\$489,696	\$750,523

	<i>Book Value</i>	<i>Market Value</i>
John H. and Lujza McCammon Endowed Scholarship Upper-division undergraduate scholarship	\$14,356	\$29,606
Mr. and Mrs. L. F. McCollum Scholarship in Geology Geology scholarship, any level	\$29,304	\$55,281
Michaux Scholarship Fund Geology scholarship, any level	\$14,139	\$27,831
Joan A. Middleton Endowed Scholarship in Geology Geology scholarship to students, especially hydrogeology students	\$11,337	\$12,802
Carroll C. Miller Endowed Presidential Scholarship Geology scholarship to students pursuing careers in energy industries, preference to students from South Texas	\$38,584	\$78,439
William R. Muehlberger Field Geology Scholarship Fund Supports field studies at graduate or undergraduate levels	\$119,081	\$151,889
Wes Ogden Memorial Scholarship in Geophysics Geophysics scholarship to students pursuing careers in energy industries	\$14,568	\$22,859
Fred L. and Frances J. Oliver Lectureship in Texas Hydrology and Water Resources Provides for guest lectures in water resources	\$79,414	\$133,848
Judd H. and Cynthia Oualline Centennial Lectureship in Geological Sciences Provides for guest lectures in geological sciences	\$104,678	\$163,662

	<i>Book Value</i>	<i>Market Value</i>
Judd H. and Cynthia Oualline Centennial Lectureship in Petroleum Geology Provides for guest lectures in petroleum geology	\$96,907	\$152,516
Judd H. Oualline Endowment Fund For special needs of the Department	\$23,734	\$44,234
Ed Owen-George Coates Fund Publication of geological research by faculty and graduate students	\$132,075	\$266,416
James C. Patterson Fund for Excellence in the Geophysical Sciences Supports excellence in the geophysical sciences	\$123,950	\$113,095
Bill R. Payne Centennial Teaching Fellowship Income supplements salary and supports research of junior faculty member	\$115,694	\$203,676
Joyce Bowman Payne Centennial Teaching Fellowship Income supplements salary and supports research of junior faculty member	\$112,369	\$190,963
Pennzoil and Pogo Producing Companies-William E. Gipson Scholarships Scholarships for UT graduates seeking Master's degrees at UT	\$210,697	\$341,210
O. Scott Petty Geophysical Fund Development of program of excellence in geophysics	\$237,320	\$442,403
Wallace E. Pratt Professorship in Geophysics Development of program of excellence in geophysics, income supplements salary and research of recipient	\$233,759	\$445,580

	<i>Book Value</i>	<i>Market Value</i>
Louis and Elizabeth Scherck Geology Scholarship Undergraduate (upper division) and graduate scholarship	\$121,743	\$208,177
Wilton E. Scott Centennial Professorship Income supplements salary and supports research of recipient	\$309,731	\$630,525
Walter Benona Sharp Memorial Scholarship in Geological Sciences Scholarship in petroleum or field geology	\$48,627	\$104,135
Shell Companies Foundation Centennial Chair in Geophysics Income supplements salary and supports research of recipient	\$1,266,404	\$2,274,219
Shell Companies Foundation Distinguished Chair in Geophysics Income supplements salary and supports research of recipient	\$1,077,881	\$1,996,377
F. W. Simonds Endowed Presidential Scholarship Scholarship to undergraduate (upper division) and graduate students	\$34,184	\$75,406
William T. Stokes Centennial Teaching Fellowship in Geological Sciences Income supplements salary and supports research of junior faculty member	\$180,936	\$336,824
Structural Geology and Tectonics Fund Supports faculty and student research in structure and tectonics	\$131,359	\$211,136
Harlan Tod Sutherland Memorial Scholarship Fund Supports summer research for graduate students	\$54,663	\$86,159

	<i>Book Value</i>	<i>Market Value</i>
John and Elizabeth M. Teagle Scholarship in Petroleum Geology Scholarship to students with interest in petroleum geology	\$766,902	\$1,236,241
David S. Thayer Memorial Scholarship Fund Senior field course scholarship	\$34,169	\$70,228
Tobin International Geological Map Collection Fund For purchase of maps and photos, storage and viewing facilities for these items	\$95,875	\$205,306
Udden Memorial Scholarship Fund Geology scholarship, any level	\$23,402	\$36,507
Glenn and Martha Vargas Endowed Presidential Scholarship Graduate-level scholarship in geological sciences	\$42,394	\$61,149
Glenn and Martha Vargas Endowment for Gems and Gem Minerals Instruction For course-related materials and instruction on gems and gem minerals	\$78,321	\$123,029
Glenn and Martha Vargas Fund for Gem and Mineral Curation For curating and maintaining the gem and mineral collections of the Department	\$65,144	\$61,975
Glenn and Martha Vargas Gemological Scholarship in Geological Sciences Scholarship for students interested in gemology or mineralogy	\$20,259	\$34,249
Joseph C., Jr. and Elizabeth C. Walter Geology Library Fund Acquisition of books, maps, and other library materials	\$765,847	\$1,039,033
Albert W. and Alice M. Weeks Centennial Professorship in Geological Sciences Income supplements salary and supports research of recipient	\$228,731	\$405,283

	<i>Book Value</i>	<i>Market Value</i>
Albert W. and Alice M. Weeks Fund in Geology Scholarship in geological sciences, any level	\$228,731	\$405,283
E. A. Wendlandt Fund Purchase of books and journals in German or English translations	\$10,574	\$20,089
Arno P. (Dutch) Wendler Professional Development Fund Supports graduate student presentations at professional meetings	\$133,410	\$259,044
Francis L. Whitney Endowed Presidential Scholarship Geology scholarship, any level, paleontology and stratigraphy preferred	\$55,678	\$112,497
Francis L. Whitney Memorial Book Fund For purchase of paleontological books for library	\$55,941	\$81,338
Addison A. and Mary E. Wilkinson Endowed Presidential Scholarship in Geological Sciences Geology scholarship for graduate and undergraduate students	\$65,564	\$70,007
John A. Wilson Professorship in Vertebrate Paleontology Development of program of excellence in vertebrate paleontology, income supplements salary and supports research of recipient	\$211,677	\$368,163
Charles E. Yager Undergraduate Field Scholarship Fund Supports students taking GEO 660	\$64,058	\$127,206
The First, Second, Third Mr. and Mrs. Charles E. Yager Professorships Three professorships in any discipline for faculty who participate in field instruction	\$526,885	\$1,111,164
Keith and Ann Young Endowment for the Non-Vertebrate Paleontology Collection Supports graduate students working with the non-vertebrate paleontology collection	\$30,520	\$30,520

MEMORIALS

James Wesley Adams died July 23, 2003, in Conroe, Texas, at the age of 78. He was born in England, Arkansas, on May 31, 1925. He graduated from the University of Texas with a B.A. degree in geology, and while he attended the University he was a member of Phi Gamma Delta fraternity. During his senior year he was chosen as the Best Athlete in the fraternity division. During the Korean War he served in the Navy and retired after 20 years of service as a Lieutenant Commander. Wes worked as a geophysicist with Exxon from 1948 until he retired in 1987. He was a member of the River Plantation Country Club and also volunteered with Meals on Wheels. He was a member of First United Methodist Church of Conroe, where he participated in the Beacon Sunday School Class and the Tuesday Morning Men's Bible Study. He is survived by his wife of 53 years, Beth Adams; sons Davis and wife Teresa and William and wife Leslie; daughter Beth Ann Wilson; grandchildren Jenna and Molly Adams, Ashley, Alicia and Allison Wilson and Thomas, Jesse and Andrea Adams; brother Earl; and several nieces and nephews.

Barbara Cairns Backus died December 10, 2002, in Dallas, Texas, at the age of 70. She was born in Melrose, Massachusetts, on January 29, 1932. She married Milo M. Backus in 1952. They were married for over 50 years. She is survived by her husband; daughter Colleen and her husband Gary Nabhan; daughter Marcia; son Kurt and his wife Lisa; daughter Kathleen and her husband Kevin Priller, as well as eight grandchildren. She is preceded in death by son Stephen, who died in 1986.

Jean Marie Ott Williams Banks died April 10, 2003, at the age of 81.

She was born in McDade, Texas, on October 10, 1922. She graduated from the University of Texas in 1944 with a degree in geology. She then moved to New Orleans to work for Humble Oil. She married Ray Wyatt Williams and returned to Texas to work for several different water agencies, such as the Texas Water Development Board. She was regarded by some as "the Mother of the Texas Water Plan." She then went to work for Camp, Dresser and McKee until her retirement in 1983. After she retired in Wimberley, Texas, she still remained active in natural resource management and started a project to monitor water quality on the Blanco River. She married Harvey O. Banks in 1994, and moved with him to California. She returned to Austin in 1996. She will be remembered for her wit and intellect, and was a proud Longhorn, Democrat, and patriot. She is survived by her daughter, Tracy Williams Perez and her husband David; her three sons of the heart, William C. Goodwin and wife Roxann, James T. Goodwin and wife Susan, and John B. Goodwin and wife, Allison; as well as her grandchildren Nick, Tamara, Morgan, Sarah, Peter, Eli, Tara, Stephanie, Mark, and Andrew. She is also survived by her two sisters, Margaret Ewing and Martha Pils, and her sister-in-law, Mattie Ott.

Raymond V. "Barney" Barron died December 8, 2002, in Houston, Texas. He was a veteran of World War II and remained active in the U.S. Power Squadron, where he taught Junior Navigation for 25 years. He was also serving as treasurer when he became ill. He received his education from The University of Texas as well as the University of South Dakota. He then became a petroleum geologist. He was a computer enthusiast,

a ham radio operator, and a pianist. He is survived by his wife Irene; their children Barbara and her husband Allen Paksima, Diane, Beth and Brian as well as three granddaughters Brook, Luisa, and Bethany. In addition, he is survived by his brother Jack and wife Connie and brother-in-law Alex Yokubatis, as well as many nieces and nephews.

Hascal Bruss Billingsley, 66, died December 17, 2002. He was born on August 8, 1936. He graduated from Highland Park High School in Dallas, Texas, in 1954. He then went on to receive his B.S. in geology from the University of Texas in 1958. He joined the Navy shortly after graduation and attained the rank of Lieutenant. After he left the Navy, he earned an M.B.A. from Southern Methodist University in 1962. He first worked for Metropolitan Federal Savings and Loan in Dallas, and then he went on to become the President of the Denison Savings and Loan in Denison, Texas, then the President of New Braunfels Savings and Loan. He later went to work for the State of Texas and then the Resolution Trust Corporation. He was the Vice President of Frontier Investment Management Company in Dallas at the time of his death. He was a member of the Salesmanship Club of Dallas, and enjoyed volunteering at the Byron Nelson Tournament each year. He loved to play golf, and he won many tournaments through the years, as well as being the only person to win both the Junior and Senior Club Championships as a member at Northwood Club. He is survived by his mother Mary; sister Joan Bowman; nephew Bruss Bowman; niece Cindy Bowman Thimmesch; former wife Susan Mowrey, and many relatives and friends.

Mae Dell Burke died December 6, 2002, at the age of 78. She was born in Karnes County, Texas. She was a member of Westbury Baptist Church and taught Sunday School and Bible School for many years. She was married to Thomas Burke, a member of the Geology Foundation Advisory Council, for 52 years. Her family was the joy of her life. She is also survived by her children John and wife Sharon; Steven and wife Nancy, and Susan and husband Craig Jerden; her grandchildren Christen, Jeremy, and Justin Burke, Dylan Logan and Reade Burke and Lauren and Kelly Jerden; as well as her brother Wilburn Anderson and many nephews and nieces.

Milton Wood Crusius died April 15, 2003, at the age of 80. He was born in Mobile, Alabama, on May 9, 1922. He served as a gunner's mate first class in the U.S. Navy during World War II from 1940-45, during which time he was honored with the Victory Medal, Pacific Theatre and American Theatre Ribbons. Milton graduated in 1949 from the University of Texas, where he was elected to the earth science honorary fraternity, Sigma Gamma Epsilon. He worked as a geophysicist and technical writer for Exxon for 30 years, and he wrote a book and several papers on Texas geology. He served in many capacities in the Baptist Church and was a Boy Scout leader for many years. He is survived by his sons Dr. Timothy Wood and wife Elizabeth, John Bryan and wife Lori and grandchildren Emily, Micah, Blake, Austin, Rachel, and Patrick.

Reverend David W. Edmunds died in September 2002 in San Antonio, Texas. He was born in Kansas City, Missouri, and attended schools in Colorado and Kansas before graduating high school in Dallas, Texas. He graduated with honors with a B.A. in

geology from the University of Texas in 1940. He then went on to serve as a Captain in the U.S. Army Air Corps during World War II. He was called to the ministry in 1948 while working for the Trinity University Guidance Center as a vocational counselor. He graduated in 1951 with an M.A. in Educational Psychology from the University of California, as well as a B.D. from the Starr King School for the Ministry. He came to the Little Church in San Antonio as associate pastor in 1963, and became pastor in 1968. He married Cleo Edwards in 1972 and they served together until ill health forced him to retire. In 1988 he and Cleo received a citation from Mayor Henry Cisneros and the City of San Antonio for exemplary service; as well as being honored by *Charisma Magazine* as one of the Outstanding Pastors in America. He is survived by his wife Cleo; daughter Connie Jean Miller and her husband Robert; grandsons J.R. and J.W. Miller; and several nephews and nieces.

Dorothy Ellison By John A. Wilson

Dorothy M. "Dottie" Ellison died on February 4, 2003, at age 88. Dottie was Sam Ellison's wife and hence she was "ex officio" hostess for the Department of Geology while Sam was Chairman (1952 -1962). Dottie took her position seriously. She hosted get-togethers in their backyard for graduate students, faculty, and faculty spouses. She was warm and friendly and loved a good joke. She brought a feeling of family to the Department.

Earl Eugene Granbery, 78, died November 23, 2002, in Dallas, Texas. He was born in Dallas on December 21, 1924. He graduated from Woodrow Wilson High School in Dallas in 1943 and volunteered for service in the Merchant Marines

that same year. He later attended the University of Texas at Austin. He went on to work for Yard Manufacturing Co. for 14 years, and was a manager of Tecco Electronics. He then was a real estate agent for 15 years with Ebby Halliday, then a Keller-Williams agent for the last 7 years. He was a charter member of Chapel Hill United Methodist Church as well as a member of American Legion Post #379, S.S. Stephens Hopkins Chapter. He was a member of the Quarter Century Ham Club and a 50-year ham radio operator. He is survived by his wife Betty, daughters Julie and Dan Elrod and Christi and Brian Sullivan; four grandchildren, Melanie and Shannon Sullivan, Brent Elrod and Bryan Elrod and wife Brandy; two great-grandchildren, Brady and Briley Elrod; his brother Dick, and several nieces and nephews.

James H. "Jim" Helland, 80, died December 25, 2002, in San Antonio, Texas. He was born on March 6, 1922. He served in the U.S. Army from 1943 until 1946 as a First Lieutenant, with combat at Saipan and Okinawa and was in the occupation force in Japan. He received his degree in geology from the University of Texas, where he also was a member and house manager of Kappa Sigma fraternity. After graduation, he worked for Stanolind in both South Texas and Calgary, Canada. He then moved to Beeville, Texas, in 1950 with his wife, Patty Ford. In Beeville, he started his own oil and gas exploration business. He moved to San Antonio in 1957, where he was active in Republican Party politics. He became the first Republican elected as a Bexar County Commissioner since Reconstruction, in 1964. He enjoyed golfing and skiing. He was a member of the American Associa-

tion of Petroleum Geologists, the San Antonio Country Club, the South Texas Geological Society, the Texas Cavaliers, Order of the Alamo, Argyle Club, and German Club. In addition he served as president of the San Antonio Country Club, vice president of Dad's Association at UT Austin, and member of the Board of the Petroleum Club. He is survived by his wife Patty; his children Hans and wife Catherine, Sally Helland, Suzanne Tate and husband Jeff, and Teresa Wakely; grandchildren William and Sarah Helland, Wolfgang and Hallie Kuntz, and Patricia, Hannah, Danielle, and Alexandra Wakely; sister Frances Watts; brother Richard Helland and wife Julie, and many nieces and nephews.

Steve Paul Krolczyk, Jr., 46, died September 8, 2002, in La Porte, Texas. Steve was a native Houstonian and graduated from St. Pius X high school. He received his B.S. degree in geological sciences from The University of Texas at Austin in 1981. He was the laboratory manager for Coastal Flow Measurement in Houston, Texas, for the past 14 years. Shortly before his death, he also earned a B.S. in Chemistry from the University of Houston, Clear Lake. He is survived by his partner, Lene Hein, his mother, Callye Krolczyk, brothers Joseph and Mark, and sisters Francis and Leda Krolczyk and Susan Bordelon and her husband Bruce.

Major Edwin W. Moore, 81, died November 5, 2002, in San Antonio, Texas. He attended the University of Texas in 1941 and then went on to serve 24 years in the United States military, in the Sixth Marine Corps Battalion and then the U.S. Air Force. He is survived by his daughter Catherine Moore; son James Moore and his wife Nancy and granddaughter

Tracy Moore, as well as several nieces and nephews.

Wyatt Thomas Norman, Jr., 81, died in Corpus Christi, Texas, on October 25, 2002. He was born December 29, 1920, in Dallas, Texas, then moved to Rusk, Texas, where he graduated from Rusk High School. He received a degree in geology from the University of Texas in 1947. During his college years, he served in World War II and then returned to complete his degree. He also was a member of the honorary service organization The Silver Spurs and a past president and member of Pi Kappa Alpha fraternity. After graduating, Wyatt worked for Pure Oil Company in Mississippi as a scout, then went to work for Reynolds Metals Corporation in Houston. He went to work for Trunkline Gas Company in 1957, requiring a move to Corpus Christi, Texas. He then became an independent oil operator in 1962. He received the "Outstanding Landman Award" from the Corpus Christi Association of Professional Landmen in 1985. He was active in the Corpus Christi Town Club and the First Presbyterian Church as well as his coffee club at the Hilltop Café. He is survived by his wife, Frances Bliss, sons Wyatt III and Kevin and his wife Debbie, his granddaughter Kelly, one niece, four nephews, and two sisters-in-law.

Mary Edwina Harris Petty died May 28, 2003, in San Antonio, Texas. Born June 27, 1899, in Dallas, Texas, she was the daughter of Jouett Carson Harris and Mary Wickens Harris. She was raised in Austin, Texas, and graduated from the University of Texas at Austin in 1921 with a B.A. She met her husband, O. Scott Petty, at the University, and they were married on July 19, 1921.

Soon after their marriage, they moved to San Antonio. They had one son, O. Scott Petty, Jr.

She was active with many charities throughout her life, including the Chancellor's Council of The University of Texas at Austin, the Battle of Flowers Association, San Antonio Art Institute, San Antonio Conservation Society, Southwest Foundation for Biomedical Research, San Antonio Art League, The Charity Ball Association, McNay Art Museum, the San Antonio Symphony, and Trinity University Associates. She was also a member of the San Antonio Country Club, Christ Episcopal Church, Club Giraud, and The Argyle. She was a member of Delta Delta Delta sorority for over 75 years.

She is survived by her son Scott and his wife Eleanor, her grandchildren Joan Louise Petty, Scott James Petty, Susan Harris Petty Arnim, Richard Oliver Weed, and Tim A. Weed, as well as nine great-grandchildren.

Robert Pinson died in December 2002, in Dallas, Texas. He served in the U.S. Army during World War II and graduated from the University of Texas with a B.A. in geology in 1941. He was an usher and member of Wilshire Baptist Church for over 50 years. He was also a member of Delta Sigma Phi at SMU and UT-Austin, as well as a member of Sigma Delta Chi fraternity. He published *Bankers Digest* for over 40 years. He is survived by his wife of 55 years, Rosemary Fanning Pinson; daughter Cecelia Pinson; sons Robert Pinson and wife Debra and James Pinson and wife Dorothy; grandson Christopher; sister Marjorie and husband Ken Larkin; and numerous nephews and nieces.

Tom Schneider, 75, died in Midland, Texas, on June 17, 2003. Tom was born on September 19, 1928, in Austin, Texas. He graduated from the University of Texas with a B.S. degree in geology in 1950 and then received his Master's degree from UT in 1951. While working on his Master's, he did extensive fieldwork in Culberson County, which led to his later discovery of the second largest deposit of sulfur in the United States. He married Patricia Comer in 1956. He started as a geologist in the oil business with Lario Oil and Gas, then went on to work for Texas Pacific Coal and Oil Company. He became an independent oil operator and geologist in 1956, eventually founding Topat Oil.

Tom was a member of the West Texas Geological Society, the Society of Independent Professional Earth Scientists, and the American Association of Petroleum Geologists. He was a founding member of the Permian Basin Section of SEPM in 1954. Tom was a former member of the Geology Foundation Advisory Council. He also belonged to the Midland Petroleum Club, the Texas Exes, and The Midland Exchange Club. He was a member of the Texas Longhorn Foundation (as a Lifetime Member) and of St. Ann's Catholic Church. He was an avid sports fan and collector. He is survived by his wife, Patricia; sons Patrick and wife Jesse Lea, Brian, Thomas and his wife Ana; daughters Maggie Snow and her husband Billy; Molly Clark and her husband Reb; and Laura; grandchildren Kelsi Schneider, Danielle Snow, and Seth, Duncan, and Cooper Clark; a twin brother Edward and his wife Gerri, and by many nieces and nephews.

Harry Hensel Sisson died April 25, 2003, at the age of 91. He was born

in Palacios, Texas, on March 19, 1912. He was married to his hometown sweetheart, Mary Nancy Sisson, for 62 years. He received his B.S. in geology from the University of Texas in 1940. He also attended Southwestern University and the University of Houston, earning a second degree in Education. He had a 38-year career in exploration geophysics and geology, retiring from Exxon in 1977. He was active in the Houston Geological Society, AAPG, and SEG. He was a member of Grace Presbyterian Church, and was Intercessory Prayer group leader, as well as an elder, mentor, and teacher. He is survived by his daughter Nancy and husband Warren Brandau; sister-in-law Maxine Ray; brother-in-law Rev. Carroll B. Ray; grandchildren David Hyde, Amy Hines and husband Stephen Hines, Lisa Hyde and husband David Hyde, Kenneth Brandau and wife Andrea, and Jean Brandau; and five great-grandchildren Justus Hyde, Rebecca Hyde, Diana Brandau, Sarah Hines, and Emily Hines; as well as two nephews and four nieces.

William "Bill" Sojourner, Jr., died January 21, 2003, in Abilene, Texas, at the age of 72. He was born in Cross Plains, Texas, in 1930 and then moved with his family to South Texas, where he lived for much of his early life. His family then moved to Abilene in 1944 and he graduated from Abilene High School in 1947. As the son of an oilman, he began working in the oil fields with his father as soon as he was old enough. He married Barbara Ann Fielder in 1952. He earned a B.S. degree in geology from the University of Texas in 1956. He took over the family business, Sojourner Oil Company, in 1963. He was a member of the Oil Well Drillers Association, the West Central Texas Oil and Gas

Association, and the Paleozoic Society. His other hobbies included cooking and quail hunting. He is survived by his wife; son William Clinton Sojourner III and wife Jana; two daughters Sherry and husband Ronnie Clark and Cindy and husband Gene Brady; five grandchildren; mother Rita Sojourner; brother Jim Sojourner; and aunt Novella Rash.

Bert L. Stovall died September 29, 2002, in Casper, Wyoming, at the age of 79. He was born July 25, 1923, in Amarillo, Texas. The family then moved to Wilmington, California, where he graduated from high school. After the attack on Pearl Harbor, he enlisted in the U.S. Navy and served as a petty officer second class, and was honorably discharged in 1942. He attended the University of Texas and graduated in 1948 with a degree in geology, the first person in his family to graduate from college. After graduation he moved to Houston to work as a scout for Pure Oil Company, and later became a landman for Shell Oil Company. He moved to Casper, Wyoming, with Shell in 1962. He formed a lease brokerage company in Casper in 1968 and worked at it until the age of 78. His survivors include his wife of 54 years, Martha Ann Savage; his brother John; daughter Sherry Lynn Crawford; sons Scott and Gary; six grandchildren; and two great-grandchildren.

We have learned of the death of these alumni but have no additional information:

William Barnhill (B.A., 1950)

Paul D. Beaird, Jr. (B.A., 1957)

Milton Thomas Colley (B.A., 1951)

Thomas Blackman Curlee (B.S., 1950)

David Kolbe Curtice (B.A., 1953)

Geneva Risinger Oswald (B.A., 1937)

Hugh Gilham White, III (B.S., 1952)

Notes from the Alumni

Peyton O. Abbot (B.S., 1950) is retired and living in Pueblo, Colorado.

Edwin V. Acker (B.S., 1956) is retired and living in Tilden, Texas, and writes, "Bev and I are still enjoying spending our kids' inheritance both here at the ranch and at Rockport." Edwin may be reached at backer@grandriver.net.

Jim W. Adams (B.S., 1951) is retired and living in Midland, Texas, and writes, "The mountains get harder and harder to climb, so I got a new knee. See you on the outcrops!" Jim can be reached at JWAdams2@aol.com.

Elaine Marie Allan (B.S., 1983) is retired and living in Austin, Texas, and writes, "Daughter Erika now 17 and graduating high school; son Adam is 7. My hobby now is helping the public schools and the Austin Public Library. Want to help too? Call me at (512) 322-9663, tell me your favorite things to do or your hobbies and I'll let you know how the kids/library could benefit from knowing you!" Elaine may also be reached at cecema@earthlink.net.

Stephen R. Allen (M.A., 1997) is a developer with AT&T Wireless Group in Austin, Texas, and writes, "I continue to live in Austin, where I work as an Oracle Database Developer for the AT&T Wireless Group. Outside of work, I'm a Deep Eddy 'Rat', a Barton Springs 'Polar Bear', an Alamo Drafthouse Theatre film fan, and a Hancock golf course bogeyman. I can be contacted at stevieraybond@hotmail.com or etienne_2@hotmail.com."

Nancy Jenswold Anderson (B.A., 1950) is retired and living in Cedar Hill, Texas, and can be reached at nancy.j.anderson@worldnet.att.net. She writes, "Fifty-two and a half years after my UT-Austin graduation, I finally visited Big Bend. A recent trip to the Big Bend National Park filled me with awe and made me wish again that women students in 1950 had been allowed to take the 6-week summer field course. Lucky women students of today!"

Paul D. Anderson (attended 1939) is a partner in W. D. Anderson and Sons in Midland, Texas and writes "all okay

except my eyesight. My wife Peggy is in bed with M.S. Son in South Dakota, doing fine. Daughter in Wimberley doing okay."

Raymond H. "Pat" Anderson (B.S., 1956) is retired from Texaco, Inc. and living in Richmond, Texas, and writes, "Joanne and I continue to have good health and travel as often as we can. I look forward every year to the geology Newsletter - can't believe it's been 50 years since attending UT."

Tom Anderson (M.A., 1967; Ph.D., 1969) is a Professor of Geology with the Department of Geology and Planetary Science at the University of Pittsburgh in Pittsburgh, Pennsylvania, and writes "working very hard to put together GSA special paper on northern Mexico studies. Hello to all."

Edgar P. Armstrong (B.S., 1951) is retired and living in Houston, Texas, and can be reached at eandjastrong@pdq.net. Edgar writes "still retired and happy - still married to the same wife - still trying to keep up with old friends. Also have four season tickets to Longhorn football games with my wife, son, and daughter-in-law. My grandson, a baseball pitcher, hopes to become a Longhorn too."

Sara Avant-Stanley (B.S., 1978) is living in The Woodlands, Texas, and writes, "My oldest daughter, Blair, graduated from high school in May 2003. She plans to major in geology, which would make her a third-generation geologist. She would join her grandfather, Joseph B. Avant, and mother in forming their own rock block. We are enjoying being back in the U.S. after 6 years in Indonesia as well as being back in Texas after a 24-year absence." Sara can be reached at savant1@mail.com.

Alana Haveman Avery (B.S., 1989) lives in Plano, Texas, and writes, "After 7 years in the oil industry and 3 years teaching high school, I now stay home. Emily is in kindergarten and Anna will be 2 in June. Larry is still teaching English and I am

Alumni Awards and Honors

C. Elmo Brown (B.A., 1976) was given the American Association of Petroleum Geologists (AAPG) Public Service Award.

Jack Q. Frizzell (B.S., 1950) was presented with the American Association of Petroleum Geologists (AAPG) John Emery Adams Award.

Robert A. Levich (M.A., 1973) received the American Institute of Professional Geologists (AIPG) Presidential Certificate of Merit.

Donald E. Reaser (Ph.D., 1974) won the Outstanding Teacher Award from The University of Texas at Arlington College of Science.

Dan Smith (B.S., 1958) served as President of the American Association of Petroleum Geologists (AAPG).

Paul Weimer (Ph.D., 1989) was selected as the SEG Distinguished Short Course Instructor and elected Treasurer of AAPG.

enjoying being at home with the girls. We've been back in Texas for 5 years and I think about my UT years often." Alana can be reached at averysx@earthlink.net.

Carol Swenumson Baker (B.S., 1984) is a geophysicist with ExxonMobil Upstream Technical Computing in Houston, Texas, and writes, "As always, work and our 2 boys ages 13 and 7 keep us busier than ever. Life is good!"

William W. Ballard (Ph.D., 1961) is the Chairman and CEO of Ballard Petroleum Holdings, L.L.C. in Billings, Montana, and writes, "Merilyn and I are celebrating our 50th wedding anniversary this year. Two sons (both geophysicists) are in the business, and a daughter is a speech pathologist in Gillette, Wyoming. We have five grandchildren." William can be reached at wwballard@ballardpetroleum.com.

Thomas D. Barrow (M.A., 1948) is the president of T Bar X in Houston, Texas. He is an Honorary Life Member of the Geology Foundation Advisory Council.

Robert E. Beatty (B.A., 1950; B.S., 1954) is retired and living in San Antonio, Texas.

Ralph J. Beaver, Jr. (B.S., 1958) is the President of Bevex Corporation in Fort Worth, Texas, and writes "still doing what we did - factoring. If you come to Fort Worth, come see us."

Mauro Roberto Becker (Ph.D., 1996) is a Reservoir Characterization Geologist with Petrobras E&P Rio Unit in Rio de Janeiro, Brazil, and can be reached at mbecker@petrobras.com.br.

Lynn S. Beeler (B.S., 1962) is a substitute teacher in The Colony, Texas, and can be reached at lynn_beeler@hotmail.com. Lynn writes "became a grandfather for the first time recently. Considering retirement."

Walter Edwin Belt, Jr. (B.S., 1943) is retired and living in Flatonia, Texas, and writes, "Virginia and I continue a full active life in spite of our 79 and 81 years and look forward to our 60th wedding anniversary in October. A granddaughter received her M.A. at UT last year and lives in Austin with

her new UT-Ex husband...and we have another grandson, a UT freshman, who will major in math. Our ties to UT, thank goodness, continue. We would be delighted to see, hear from, and have visits from our friends." Walter can be reached at webeltjr@starband.net.

James B. (B.S., 1961) and **Kathryne G.** (B.A., 1961) **Bennett** write from Houston, Texas, where James is the President of B & S Exploration, Inc. and let us know, "Thank you for producing a quality publication. We enjoy reading it every year. We are still developing drilling prospects in North Louisiana and South Arkansas and getting involved in some 3-D acquisition. Kathryne remains active on committees in the Houston Geological Auxiliary as well as in community organizations. Our family is fine, and we wish the same for everyone."

Mark J. Berlinger (B.A., 1982; M.A., 1984) is a Health, Safety, Security and Environmental Manager with BP Chemicals in Charleston, South Carolina, and writes, "Alaska was great, but we're now enjoying sunny-hot Charleston. 5-year-old Claire hates the fire ants, but loves the beach." Mark can be reached at berlinmj@bp.com.

Robert Bierbauer (B.A., 1958) is retired and living in Houston, Texas.

Don G. Bilbrey (B.S., 1953; M.A., 1957) is retired and living in New Orleans, Louisiana, and can be reached at donbilbrey@webtv.net. Don writes, "I took a 'geological field trip' in May, 2002, driving alone from New Orleans to Seattle and back. I saw a lot of spectacular red rock country in Colorado and Utah and snow-covered mountains in Idaho and Washington. Also, I stopped two days in Yellowstone on the return trip. I drove 6600 miles in 13 driving days, so you can see my health is good."

Sevin Bilir (M.A., 1992) is a Hydrogeologist with Weiss Associates in Emeryville, California. Sevin can be reached at either sevinb@yahoo.com or bilir1@llnl.gov.

William T. Biskamp (B.S., 1954) is retired and living in Dallas, Texas, and writes, "Mona and I are still selling real estate. Seven and a half grandkids." You can reach William at 7billbis@airmail.net.

Keith Bjork (B.S., 1984) is an orthopedic surgeon in Amarillo, Texas, and writes, "Where are all my fellow Swiss travel companions from 1983?" Keith can be reached at kbjorkmd@aol.com.

Tom Bjorklund (M.A., 1962) is a Research Scientist at the University of Houston, in Houston, Texas, and writes, "Data and interpretations from my dissertation are now accessible on the AAPG's Search and Discovery website (<http://www.searchanddiscovery.net/documents/whittier/index.htm>). A more comprehensive version is available from the AAPG bookstore on a CD. Just the start of the exploration revival of the Los Angeles basin!" Tom can be reached at tjborklund@uh.edu.

Barbara Smith Blaisdell (B.S., 1978) is a homemaker in The Woodlands, Texas, and writes "have two teenagers to keep an eye on before they fly the nest! Husband works for ExxonMobil on Middle East projects." Barbara can be reached at barbara@stardune.com.

Asa Lee Blankenship, Jr. (B.A., 1950; M.A., 1952) is retired and living in Houston, Texas, and writes, "Thanks for the Newsletter. My new phone number is (713) 778-5838, I invite all Longhorns to call."

Robert H. Blodgett (Ph.D., 1990) is a Professor of Geology at Austin Community College in Austin, Texas, and can be reached at rblodgett@austin.cc.edu or via his website at www.austin.cc.edu/rblodgett.

Jeffrey Blohm (B.S., 1976) is an instructor and courseware developer for Boeing in Tucson, Arizona, and writes "retired as a Lieutenant Colonel from USAF in 1999 with 22½ years of service. Now work at Davis Monthan AFB. Still enjoy collecting minerals, especially crystals. Tucson's Gem Show every year is fantastic." Jeffrey may be reached at blohmsky@aol.com.

Patricia Bobeck (M.A., 1985) lives in Austin, Texas, and writes, "In November 2002, after 10 years managing hazardous waste with the Texas Commission on Environmental Quality, I moved over to Bureau of Radiation Control at the Texas Department of Health to manage the geological assessments program, which involves researching and evaluating geological and hydrological impacts of uranium in-situ mining and milling, byproduct waste disposal and radioactive waste processing and storage. The job gives me the opportunity to learn about radioactive waste issues and such timely concepts as 'dirty bombs.' Radioactivity has interested me since I read Madame Curie's biography as a teenager, and this job gives me the opportunity to learn all about it. My English translation of Henry Darcy's *Public Fountains of the City of Dijon* will hopefully be published in late 2003. This is the book in which Henry Darcy describes his experiments on water movement through sand and establishes what we call Darcy's Law. I gave a short presentation about the translation at the History of Geology session at GSA in October 2002 and have been invited to give a similar presentation at the Darcy Symposium of the American Society of Civil Engineers to be held in Philadelphia in June 2003. This May, I will travel to France to document and photograph Darcy's water supply system and conduct research on other points of interest around Dijon, not to mention sample the mustard and drink a little of the famous Burgundy wine. My son Dennis is doing well as a high school sophomore. On New Year's Day 2003 he had the honor of playing the trumpet and marching with his high school band in the Rose Bowl Parade in Pasadena, California. I'm still desperately seeking Anna Chappell, dear friend and roommate. Any news would be very welcome and an address would be even better! Thank you!" Patricia can be reached at pat.bobek@tdh.state.tx.us.

Lars E. Borg (M.A., 1989; Ph.D., 1995) is an Associate Research Professor with the Institute of Meteoritics at the University of New Mexico in Albuquerque, New Mexico, and writes, "Life in New Mexico is good. Our daughter is 2 and continues to grow and amaze us. I have finished building the facilities at UNM to permit isotopic dating of planetary materials.

The first data was published in March." Lars may be reached at lborg@unm.edu.

Silverio Bosch (B.S., 1974; M.A., 1975) is an exploration geologist in Corpus Christi, Texas, and writes, "continuing to explore in the South Texas Wilcox trend. The challenges are many, but the geology is always fun. Matt (15), Eric (13), and Lisa (40+) also provide many challenges, but the love and good times are worth it." Silverio can be reached at sboschatcc@aol.com.

Douglas L. Bostwick (M.A., 1953) is retired and living in Albuquerque, New Mexico, and writes, "very much liking living in Albuquerque again for the past 3 years. I graduated from high school here in 1947. Long time ago."

Andrew Bowen (B.S., 1991) is working in the Marketing Department of Dell Computer in Austin, Texas, and writes, "made a switch to the technology industry in 1998, but still have rocks all over my house, along with many fond memories." Andrew can be reached at andrew_bowen@dell.com.

Southern W. Bower (B.S., 1950) is retired and living in Luling, Texas, and writes, "Ann and I are still enjoying retirement."

Doug Bowling (B.S., 1990; M.A., 1995) is a Geoscientist with ExxonMobil in Houston, Texas. He can be reached at DougBowling@ChevronTexaco.com. He wrote to say "Congratulations to the UT Geosciences! Thank you Mr. and Mrs. Jackson! Thank you Bill Fisher and Dr. Kocurek! What a ride this will be! I am now working as a Secundee at ExxonMobil on the Chad Development Project."

Walter A. Boyd, Jr. (B.S., 1953) is retired and living in Houston, Texas, and said his "2002 travel was curtailed by health and war." Walter can be reached at wildbill@p38.com or via www.p38.com.

Philip Braithwaite (M.A., 1958) is retired and living in Dallas, Texas, and writes "still enjoying retirement and meetings of the Littlefield Society in Austin. Looking forward to the open house of the new geology building."

Robert F. Brandt (B.S., 1957) is an adjunct faculty member at Houston Community College in Houston, Texas, and can be reached at rfbrandt@aol.com. Robert writes, "semi-retired but still seem to be working as hard as ever. Teaching physical geology and environmental science as distance learning via the internet at Houston Community College. Upside: I can do most of my work at home."

Ken Brook (B.S., 1967) is the president of Desert Ventures, Inc. in Reno, Nevada, and can be reached at k.brook@worldnet.att.net. Ken writes, "After a very long dry spell, mineral exploration is at last on the rise. Have had to expand into geothermal and even a small gas play."

C. Douglas Brown (B.S., 1984) is the president of BXP, Ltd. in Dallas, Texas, and writes "actively involved in acquisition and development of oil and gas properties along the Gulf Coast. Two boys, ages 3 and 6, keep us busy all the time." Douglas can be reached at bxpco@aol.com.

C. Elmo Brown (B.A., 1976) is the owner of TREX Geologic Consulting, Inc. in Denver, Colorado, and writes "still balancing a career in the oil and gas industry with travel (the last trip was a hiking vacation to the wilds of Patagonia), with service to the geologic profession (mostly through the Rocky Mountain Association of Geologists), and with volunteering in the local community (including giving presentations in the local schools and teaching a week or two of science camp each summer at Dinosaur Ridge on the west side of Denver). The American Association of Petroleum Geologists has recognized this effort by selecting me as the 2003 award winner of the AAPG Public Service Award. Though I am honored by this citation, it is the smiles, honest questions, and little thank-you notes I receive from our younger scientists that really make my day."

Kathy Brown (B.S., 1985) is an Environmental Regulator and Inspector with the State of Wyoming in Lander, Wyoming, and can be reached at kbrown2@state.wy.us. Kathy writes "lovin' life in the Wild West with geology everywhere you look!"

Wallace E. Brunson (B.S., 1942; M.A., 1954) is retired and living in Houston, Texas, and writes, "Another year of retirement and keeping an office with Big '6' Drilling Co. I do read first reports and completions on wells in the North Midland Basin, just to keep up. Betty and I will pass our 61st anniversary in Sept., 2003."

J. E. Woody Bryant (B.S., 1943; M.A., 1948) is an independent geologist in Fredericksburg, Texas, and writes "still geologizing."

Leonard C. Bryant (B.A., 1957) is an independent geologist in Helotes, Texas, and writes, "I am still recovering from two back surgeries in 2002 that cured paralysis in my legs. I hope to be able to travel come summer."

Ben Buongiorino (M.A., 1955) is the president of Good Day Energy, Inc. in Houston, Texas, and writes "still enjoying the challenge of oil and gas exploration." Ben can be reached at benandbk@aol.com.

Robert Burger (Ph.D., 2002) is the Assistant Program Director with Joint Oceanographic Institutions in Washington, D.C.

T. J. "Jeff" Burnett, Jr. (B.S., 1949) is retired and living in Houston, Texas, and wrote to tell us the sad news that he lost his wife Cathe (UT, 1948) in June of 2001. Jeff can be reached at tomjbjr@aol.com.

Sara Burns (attended 1993-1995) is a Teacher with Los Angeles Unified School District in Los Angeles, California, and can be reached at saraburns2000@yahoo.com.

Gary Lee Byrd (B.S., 1984) is a Roofing Contractor in Rockwall, Texas, and writes "still fossil hunting. Son Jessie (19) is a freshman at Texas A&M, son Zachary (17) is a senior and will attend UT-Austin, daughter Georgia (10) is in the 5th grade and loves horses."

Susan Kiefner Cage (B.A., 1950) and **Warren J. "Jack" Cage, Jr.** (B.S., 1950) are both retired and living in Georgetown, Texas. They write, "Thanks to accompanying friends, we

managed a wonderful cruise last fall. Jack's battle with Parkinson's disease is making it very difficult for him to accomplish many of his favorite activities. We enjoy the *Newsletter* as always."

Frank Kell Cahoon (B.S., 1957) is an independent oil operator in Midland, Texas, and let us know "we are enjoying our children and grandchildren."

Todd Callaway (B.S., 1997) is a Store Manager for Recreational Equipment, Inc. (REI) in Fremont, California, and can be reached at toddcallaway@alumni.utexas.net. Todd writes, "After leaving UT, my wife Nichole (B.A. Education, 1998) and I were married in April 1999 and I have been moving around the country with REI. We have lived in Salt Lake City, Colorado Springs, and now we are in the Bay Area. We are working our way back to Texas. Hook 'em!"

Dean Callender (B.S., 1956; M.A., 1958) is the Senior Vice President of UBS Paine Webber in Houston, Texas, and can be reached at deancallender@houston.rr.com. Dean writes, "Our declining supply of oil and gas and higher prices should encourage the perceptive to make some serious investments in exploration for a change."

Donald M. Campbell (B.A., 1955) is retired and living in Abingdon, Maryland, and writes "still working in special education in Bel Air, Maryland. I have to keep busy. Glad to be near my 10-year-old granddaughter. I do miss my traveling. Too bad when I got my million miles it was before most of the airline bonuses. Hope to visit Texas this year." Donald can be reached at dctexaslh@aol.com.

Richard A. Campbell (M.A., 1959) is a geologist with Camex Operating Company in Lafayette, Louisiana, and writes "still at IT - sons Kevin and Eric are running Camex, with my help of course. Carla and I are fine, regards to our friends."

Jim Carew (M.A., 1969; Ph.D., 1978) is a Professor of Geology in the Department of Geology and Environmental Geosciences at the College of Charleston in Charleston, South Carolina, and

can be reached at carewj@cofc.edu. Jim writes, "I continue to study carbonates of the Bahamas, Caribbean, and Micronesia. I am part of a research team that has just received funding from Totalfinaelf to the tune of \$360K, for 3 years, to study paleosol and karst development in the Bahamas, and other islands. In mid-April, I will become a grandfather. Yikes! I was pleased to be nominated as a GSA Fellow by Bob Folk."

A. T. "Toby" Carleton (B.S., 1951; M.A., 1952) is a geologist and rancher in Midland, Texas, and writes "still working but I don't seem to get as much accomplished as I once did. Family is well. Corinne and I are blessed with three children and five grandkids - all of whom are keepers." He is a member of the Geology Foundation Advisory Council.

Marvin T. Carlsen (B.S., 1952) is retired and living in Midland, Texas, and writes, "During late 2002 and early 2003, my wife and I have been hampered with health problems. Me with COPD (Chronic Obstructive Pulmonary Disease) and my wife with gall bladder problems. So we were unable to do much, such as take exciting trips. Will save our energy for future escapades. Best wishes to all Geo staff and Exes!"

Mary Carr (Ph.D., 1994) is a Research Assistant Professor at the Colorado School of Mines in Golden, Colorado, and can be reached at mcarr@mines.edu. Mary writes, "I am happily working part time at Colorado School of Mines with the Slope and Basin Consortium. I am focused on building 3-D geological models from outcrop data using GOCAD and other similar modeling packages. On the home front I just had my third child in 6 years. It is fun and challenging to balance kids and work, but so far it is working."

Richard F. Carroll (B.S., 1980) is a Senior Exploration Geologist Onshore I with Dominion Exploration and Production, Inc. in Houston, Texas. Richard writes, "I'm still working South Texas and really enjoying both the work and the people I work with. Outside of work, I'm doing Cub Scouts and Kik Sool Won, a Korean martial art, with

my boys Ian (9) and Austin (8). Occasionally I can also find the time to have a beer with an old friend, because very few of my friends are young anymore." He can be reached at richard_f_carroll@dom.com.

Walter Wilson Carter, Jr. (B.A., 1949) is the President of Central Gas Utilities in St. Joseph, Missouri, and can be reached at carter522@msn.com.

Jack C. Cartwright (B.S., 1951; M.A., 1955) owns his own business in Midland, Texas, and writes, "Barbara and I are blessed with a great family and are still in good health. My time is spent in managing my business affairs and giving time and effort to various volunteer activities." Jack can be reached at jccxwtw@attglobal.net.

Dave Casey (B.S., 1960) is semi-retired and living in New Orleans, Louisiana, and writes "moved to New Orleans, too bored in Mandeville. Live 10 blocks from the French Quarter, and Raye and I are really enjoying it, even renovation of 100-year-old elevated side hall single home. Got a spare bedroom and patience. Still muddling in the oil business."

Dwight E. Cassell (B.S., 1954; M.A., 1958) is a consultant for oil production in Austin, Texas, and can be reached at declsc@juno.com. Dwight writes "working to maintain, add to marginal production with longtime partners who keep me busy looking for one more location. Travel when opportunities arise to team up with friends. Followed Folk's footsteps to Viterbo, Italy, where Luigi is fondly remembered. Go there! And if you're in Austin, stop by."

Charles A. "Chuck" Caughey (B.S., 1969; M.A., 1973) is the Manager of New Ventures with ConocoPhillips in Jakarta, Indonesia, and writes "now settling into a new job managing New Ventures in Indonesia for ConocoPhillips, following two mergers last year: acquisition of Gulf Indonesia by Conoco, then Conoco's merger with Phillips. Mergers are no fun, but Indonesia remains a good expat assignment and a very good place to look for oil and gas." Chuck can be reached at chuck_caughey@conocophillips.com.

Ed Cazier (M.A., 1984) is the Commercial Lead for bp's Western Gas business in Houston, Texas, and writes, "I finished my MBA at Rice University (along with **Harris Cander**, Ph.D., 1992) in May 2002, and have not completed the transformation to the dark side - away from the rocks, and into the financial data. I am the Commercial Lead for bp's Western Gas business in Wyoming, Colorado, and New Mexico. Congratulations to **Dave Noe** - Colorado State Geologist for one week - who managed to rename the state mineral to madmaxite during his tenure."

Kirk Chatawanich (M.S., 2001) is a Geologist with Anadarko Petroleum Corporation in The Woodlands, Texas, and can be reached at kirkchatawanich@earthlink.net.

Carlotta Chernoff (B.S., 1992; M.A., 1995) is a Geologist with ConocoPhillips in Houston, Texas, and writes, "Since finishing my Ph.D. in Geosciences at the University of Arizona last summer, I have been working with the Brazil Deepwater Exploration Team at ConocoPhillips in Houston." Carlotta can be reached at carlotta.b.chernoff@conocophillips.com.

Calvin A. Chimene (B.S., 1950) is the President of the Laahnz Corporation in Houston, Texas, and writes, "My latest book *My Confidential Houston Stories*, will be on the market shortly. I'm now working on my first geologic novel in my spare time. Retirement sure is fun." Calvin can be contacted via his website at www.chimene.com.

Joseph C. Clark (B.S., 1957) is a Visiting Professor at Indiana University of Pennsylvania as well as an Adjunct Research Scientist with the USGS in Indiana, Pennsylvania, and writes, "After 39 years of teaching at UCSB and IUP, I have decided to become emeritus in 2004. Continuing geology mapping in California Coast Ranges; the Loma Prieta earthquake professional paper (with co-worker) is about to appear, finally." Joseph can be reached at jclark@helicon.net.

Mike Clark (B.A., 1989) is a GIS Programmer Analyst with the Texas Legislative Council in Austin, Texas, and writes "still gainfully employed! Check

out the Aggie jokes that I've compiled over the years: www.meanjoecool.com/agjokes.htm. Peace and be cool." Mike can be reached at mjc@compuserve.com or michael.clark@tlc.state.tx.us or via his web site www.meanjoecool.com.

Tom Clark (M.A., 1972) is a Senior Hydrologist with Minnesota Pollution Control Agency in St. Paul, Minnesota, and writes, "We persevere in these uncertain times. Grandchild #2 due in August. Family and faith keep us strong." Tom can be reached at tom.p.clark@pca.state.mn.us.

James L. Claughton (B.S., 1971) is an independent geologist in Corpus Christi, Texas, and can be reached at clausoie@sbcbglobal.net.

Guy Cleveland (B.S., 1981) writes, "I am currently the business development manager for Indoor Air Quality and Mold for Professional Service Industries (PSI) and DB manager for our New York City office for environmental services." Guy can be reached at guy.cleveland@psiusa.com or via www.psiusa.com.

Kelton Cloud (B.S., 1973) is a Consulting Geologist in Granbury, Texas, and writes "still prospecting for gas in several areas, mostly in East Texas and the Gulf Coast. Hope the 'Horns make it to the Final Four (both teams)." Kelton can be reached at kcloud@itexas.net.

Joel Coffman (B.S., 1984) is a Senior Registered Geologist with Napa County, California, and can be reached at jcoffman@co.napa.ca.us. Joel writes, "Still here in Napa as the lead environmental regulator for Napa County. Susan and I are doing fine as are Amber (in San Diego) and Shaina (at Howard Payne University in Brownwood). Hoping there is a final return to the Lone Star State in the cards for us in the not so distant future, been here for 14 years now and it's time to come back home. These left-wingers are killing my sensibilities and starting to wear thin on this ole West Texas farm boy. Got my Texas GeoScientist license and now need to put it to work. Hope all from the classes of '82 and '83 are doing well!"

Kitty Coley (B.S., 1979; M.A., 1987) is a consultant in Austin, Texas, and writes "still traveling the world with National Geographic and Smithsonian Institute lecturing on their adult study tours. Highlights are trips to Chile, Antarctica, and the Amazon. Brought home the 4th important member of our family, a stray dog from deep in Mexico. Also just spent two weeks with 4 family members backpacking in ANWAR – fabulous!" Kitty can be reached at hoodcoley@cs.com.

James W. Collins (B.S., 1956) is an independent oil and gas operator in Corpus Christi, Texas, and writes, "I will have a new paper out this year – 'The Geology of Corpus Christi Bay.'"

Steve Compton (B.S., 1981) is the Vice President of Exploration with Tri-C Resources in Houston, Texas, and writes, "All is well with job and family."

C. Lenard Cooley (B.A., 1950) is retired and living in Lake Charles, Louisiana.

Casey (B.S., 1988) and **Susan Schwarz Cornett** (B.S., 1986) write from Houston, Texas, where Casey is a software consultant and Susan is a substitute teacher. They write that they "are both trying to fit in more golf time amongst taxiing the boys to sporting events. If in the area, please call or come by as we both still like to cook and entertain! And maybe we can sneak out and play a few holes!" Casey can be reached at ccornett3@houston.rr.com and Susan can be reached at scornett@houston.rr.com.

Augustus S. Cotera, Jr. (B.S., 1952; M.A., 1956; Ph.D., 1962) is a Professor Emeritus of Geology at Northern Arizona University in Flagstaff, Arizona, and writes, "As one approaches the winter of life, a bit of indulgent reflection is permitted. The Geology students of the fifties were fortunate in being taught by an outstanding cadre of dedicated teachers, to wit: Fred Bullard, a true gentleman; Steve Clabaugh, an organization man; Professor DeFord, a legendary inspiration; Sam Ellison, passionate enthusiasm for life; Ed Jonas, the quiet man; Bill Muehlberger, a non-sense but caring individual; Jim Wilson, professional competence;

Jack Wilson, a respected scholar; Keith Young, a genuinely friendly human being; and last but far from least, Robert Louis Folk, the only true genius I have ever known in my lifetime in academe. To one and all, thank you!" Augustus can be reached at ascotera@att.net.

Bill C. Cotner (B.S., 1953) is a rancher in Midland, Texas.

Raymond W. Cozby, III (B.A., 1983) is the Vice President and Trust Officer with Regions Bank Trust Department in Tyler, Texas, and can be reached at raymond.cozby@regions.com.

R. Wilson Cozby, Jr. (B.A., 1958; B.S., 1961) is a Pediatric Dentist in Austin, Texas, and writes "new home in Austin – love Texas sports – even have season tickets to table tennis. Still part time practice in Tyler. The new Geo building is really nice." Wilson can be reached at wcozby@austin.rr.com.

John C. Crowell (B.S., 1939) is retired and living in Santa Barbara, California, and writes, "I have now retired in earnest from geological writing with the publication *Geological Society of America Special Publication 367: Evolution of Ridge Basin, Southern California: An Interplay of Sedimentation and Tectonics*."

Thomas M. Culbertson (M.A., 1948) is retired and living in San Antonio, Texas, and writes, "Regional Clean Air and Water Association is 15 years old now, and is still growing. It meets in San Antonio."

Hugh W. Curfman (B.A., 1948) is retired and living in Lafayette, Louisiana, and writes "enjoy hearing news of the 'oldies' still around, class of '48 especially."

Harris P. "Koop" Darcy (B.S., 1951) is an independent geologist in Houston, Texas, and writes, "Visit or write to the Institute for Creation Research, P.O. Box 2667, El Cajon, CA, 92021-0667 for their catalog. They have a great report on the geology of the Grand Canyon. Also visit or write to The Creation Evidence Museum, P.O. Box 309, Glen Rose, TX, 76048. They have some great info on dinosaurs."

Julius Dasch (M.A., 1959) is retired and living in Washington, D.C., and can be reached at juliusdasch@aol.com. Julius writes, "I retired from NASA at the end of 2002. I've completed a Macmillan-Gale Encyclopedia – *Water: Science and Issues*, to be published in June. It was fun to become reacquainted with Harvey Blatt, who is in Israel."

Mary Q. Davis (B.S., 1948) is retired and living in Tyler, Texas, and writes, "I've been retired for some time now – still enjoying life with friends, children, and grandchildren." Mary can be reached at misguess@aol.com.

William H. Davis (B.S., 1941) is retired and living in San Antonio, Texas, and lets us know he is "busy mowing the grass."

David Allen DeBalko (M.A., 1991) is the President of Logic Approach, Inc. in Austin, Texas, and writes, "My wife Diana and I are expecting our first child (a boy!) in late August 2003. Wow! It's exciting for us. Although he will be an Austinite, he is Harvard bound...meanwhile, Diana and I operate our company in South Austin (a place I never went to while at UT). Stop by and visit, or visit www.logicapproach.com." David may be reached at david.debalko@logicapproach.com.

Michelle Mallien Debus (B.S., 1990) is the Vice President of Oakrock Exploration in San Antonio, Texas, and writes, "Rick and I are doing well. We are busy running our independent oil company, prospecting in South Texas. We spend most of our summers in Wisconsin with our three children, Kathleen (10), Allison (7), and John (3). Sara is a sophomore at Tulane." Michelle can be reached at mmdebus@ix.netcom.com.

Carlos Deere (B.S., 1950) is retired and living in Bellville, Texas, and writes, "I regret to inform you that I'm about to hit the wall in my screenwriting endeavors. I can see it in the distance. If I don't work harder than I've been doing, the wall will hit me so hard I won't know whether I'm coming or going, sinking or swimming, up or down, or somewhere in between."

Charles J. DeLancey (B.S., 1940; M.A., 1942) is retired and living in Houston, Texas and writes, "This is the year I definitely feel older. But it has been a wonderful life full of fond memories. Our daughter, Meg, died May 9, 2002, such a shock."

Reverend John Lane Denson

(B.A., 1949; M.A., 1950) is an Episcopal clergyman in Nashville, Tennessee, and writes that he is "editing, writing, publishing *Covenant*, an occasional paper commentary on church and society; playing trumpet in the Monday Night Jazz Band; and supplying in area churches. Recently rediscovered my copy of *The Geology of Texas, Volume One, Part Two (Stratigraphy)*, Bulletin 3232, Bureau of Economic Geology. The framed state geology map accompanying the volume has made a splendid addition to the décor in our entry way. I wonder how our understanding of Texas geology has changed in the 71 years since that publication. Perhaps someone at the new facility would write a paper on that subject?" He may be reached at john.l.denson@vanderbilt.edu.

Patricia Wood Dickerson (B.A., 1970; Ph.D., 1995) is a Visiting Research Fellow at the Department of Geological Sciences at The University of Texas at Austin, in Austin, Texas, and writes "savoring a rich blend of new and familiar professional pursuits: leading natural history tours for the Smithsonian and conducting reference research for AGI in the geology library at UT-Austin. Mapping in the Big Bend on an NPS/USGS/BEG project and continuing to collaborate with NASA on planetary exploration. Reveling in research and publishing again! Active in IGCP task forces (most stimulating meeting and field trips in New Zealand this year!) and compiling an atlas of orogens. Dancing Argentine tango around the world. Great fun!"

Jane Ormond Dinkins (B.S., 1938) is retired and living in Houston, Texas.

David Dippel (B.S., 1997) is an environmental consultant in Austin, Texas, and writes, "I still enjoy environmental consulting and would love to hear from my old classmates." David can be reached at ddippel@arcadis-us.com.

Gene C. Doty (B.S., 1954) is retired and living in Las Vegas, Nevada, and writes, "Kids, grandkids okay, Mopsy and I well. Our best to one and all."

Larry Doyle (B.S., 1950) is the President of HydroGeology International in San Antonio, Texas, and writes "still consulting in groundwater and hoping to eventually return to our natural habitat - foreign. Wrapped up my Medina River geomorph research and looking for an interesting follow-up problem. Taught a semester at UTSA." Larry can be reached via his website at www.hydrogeologyinternational.io.com.

Robert E. Doyle (B.S., 1955) is the owner and president of American Energy Investment Group in Houston, Texas. He can be reached at rbrtdoyle1aig@aol.com. Robert tells us, "We are currently involved in drilling horizontal well bores in older oil and gas wells to increase both productivity and reserves."

Daniel D. Droll (B.S., 1949) is retired and living in McAllen, Texas, and writes "have been retired for a number of years and am getting real good at it."

Ralph C. Duchin (M.A., 1955) is an independent geologist in Tucson, Arizona, and writes that he is "still involved with oil and gas, but to a limited extent."

Don Dunbar, Jr. (B.S., 1951) is an Independent Geologist and a General Partner with Dunbar Oil & Gas, Ltd. in Corsicana, Texas, and can be reached at dgdunbar@swbell.net. Don writes, "I note the passing of Jack G. Elam and his wife, Pat, of natural causes after long illnesses, at home in Midland on the same day, Feb. 27, 2003. Jack and Pat were founders and wheel horse workers for Permian Basin Graduate Center, Midland. Number 3 son, **David Dunbar** (B.S., 2002) is now with TotalFinaElf, Houston, father of twin boys born 10/17/02. I am still in Corsicana, happily reading drilling reports on development well prospects pulled off of dusty shelves by the price spike and 3-D seismic."

Laurie Schuur Duncan (M.A., 1997; Ph.D., 2001) is a Science Writer and a

Geology Lecturer at Austin Community College in Austin, Texas, and writes, "I'm working in Austin as a freelance science writer and adjunct professor at Austin Community College. My husband, Drew, and I welcomed a baby daughter, Emily, in February 2003." Laurie can be reached at laurie@potatohill.net.

David E. Dunn (Ph.D., 1964) is a Dean Emeritus with The University of Texas at Dallas in Dallas, Texas, and writes, "I am working with Bill Muehlberger and other GSA Foundation Trustees to secure more funding for GSA's student research grants. Sharon Mosher and I are trying to persuade the Texas Education Agency to reinstate high school earth science for core science credit." David can be reached at ddunn@utdallas.edu.

Bobby G. DuPree (B.S., 1954) is retired and living in Huntsville, Texas, and writes, "Lerla and I doing well...enjoying 16 grandchildren and 1 great-grandchild. I'm still deeply involved in Prison Ministry here in the Huntsville area. Recently went on a camping trip with my three sons in an area just southeast of Llano, Texas. They referred to it as their "Packsaddle" camping site. Brought back a lot of rocks, fossils, and good memories of bygone field trips at UT!"

Steve Dworkin (Ph.D., 1991) is a Professor in the Department of Geology at Baylor University in Waco, Texas. Steve writes, "I have decided to devote my bodacious skills to a study of the Cretaceous-Tertiary boundary in Big Bend Park, Texas. Our results make me wonder just what all the fuss is about, anyhow. Firstly, even our fancy Baylor measuring devices ain't yet seen none of that ridium everybody else is whoopin' an' hollerin' 'bout. How come none of that bolide dust landed in Texas? And B, I been out to West Texas six times and ain't yet seen a dead dinosaur bone. And thirdly, who says all the dinosaurs really did go extinct, anyhow? Them paleontology fellers now tell us that birds, turtles, and pocket gophers are all proper dinosaurs and none of them varmints went extinct on us (and them are all good eatin'!)"

Connie Mayes Dyer (B.A., 1958) is living in Houston, Texas, and writes, "Byron and I are both in good health and enjoying life. As a 15-year board member of The Methodist Hospital, I'm more familiar with health care issues than with geological concepts, but I can still help my granddaughters with Earth Science!" Connie can be reached at bdyer@pdg.net.

Fred A. Ealand (B.S., 1948) is retired and living in Houston, Texas, and writes, "Another year to celebrate my 80th. My wife Dottie and I are still in good health. Kids and grandkids all doing okay considering economic downturn. Hope the young geoscientists can keep finding the needed new reserves."

Katherine M. Eckenrod (B.S., 1980) is the Principal Geologist with Environmental Consulting in Austin, Texas, and writes, "Congratulation to the University of Texas on the Jackson addition!"

Ruben Ellert (B.S., 1950) is retired and living in Corpus Christi, Texas, and writes "still enjoying good health and retirement." Ruben can be reached at ellert@earthlink.net.

Arthur Beverly Elliott III (B.S., 1955; M.A., 1958) is retired and living in Hilton Head, South Carolina, and can be reached at artbelliott@hargray.com. Arthur writes, "active in patriotic, historical, and civic organizations."

Patricia Mench Ellis (Ph.D., 1985) is a Hydrologist with the State of Delaware in Newark, Delaware, and writes, "I'm still a hydrologist with the Delaware Department of Natural Resources and Environmental Control, now dealing with both underground and aboveground storage tanks. I'm still active in the crusade to get MTBE eliminated from gasoline. It's been detected in about 25% of Delaware's public wells, and an increasing number of domestic wells. I'm still co-editor of a newsletter dealing with MTBE, a technical advisor of LUSTLine (an EPA-funded newsletter), a member of the Interstate Technology Regulatory Council workgroup on MTBE (finished up a guidance document and starting to prepare training sessions), and other assorted MTBE activities in addition to being a project manager for

close to 100 Leaking Underground Storage Tank (LUST) projects. Last spring I testified before a Congressional committee on behalf of the National Ground Water Association on impacts of MTBE to groundwater, and it is likely that I will testify again during this legislative session.

Our daughter Katie will be starting at Wellesley College in the fall, having been accepted by early admission. We're really proud of her. She is currently a candidate for a Presidential Scholars Award (100 given per year), has a National Merit Letter of Commendation, and won a Delaware Legislative essay award. Very bright kid, but she did choose a very expensive school that does not award any merit scholarships! We'll be working until we're 80 to pay the tuition bills! She had a great 2-week trip to Kenya in March with a school group, and will be going to Nicaragua in June to help with the construction of a medical clinic. John will be a high school sophomore in the fall. He's our computer wizard, taking several programming classes as a freshman. He's also the fastest cross country runner on the team, with the top time for our team in every race this year (really bugging the senior captain of the team). He recently received his second-degree black belt in karate. Dave is still an environmental manager at DuPont, but spends much of his time working with RTDF, ITRC, and the National Research Council, as well as various European environmental groups. Usually one of us is about to leave just when the other is getting back."

Joe Elo (B.S., 1956) is retired and living in Fort Worth, Texas, and writes, "UT Geology has a new building and Fort Worth has a beautiful new Modern Art Museum. Best wishes to all connected with UT Geology and the great job they're doing."

Pete Emmet (M.A., 1983) is a consulting geophysicist in Cypress, Texas, and can be reached at pete@bugg.com. Pete writes, "Started consulting in 2002 and have been crazy busy ever since! Using that structural geology background to refine geophysical workstation interpretations. Lots of basin analyses. Still have the 'ranchette' and treasure those open spaces. Best to all UT buds."

David Evans (B.S., 1988) is a Manager of Petroleum Services with ATC Environmental in Manchester, New Hampshire, and can be reached at evans60@atc_enviro.com. David writes "surviving second winter in New Hampshire, too much snow, and I sure miss the mild Austin wintertime. Environmental consulting continues to keep me busy in the northeast. The UST remediation business has kept me employed for 13+ years, who would have thought?! Baby number 2 due in April, and Linda and I await a significant change in lifestyle."

Rizer Everett (B.A., 1937; B.S., 1937) is retired and writes that he "visits and exchanges of emails and letter with friends and family. Have attended meetings of the American Association of Petroleum Geologists and the Gulf Coast Association of Geological Societies." Rizer can be reached at rizer@aol.com.

Robert H. Fakundiny (M.A., 1967; Ph.D., 1970) is the State Geologist for the New York State Geological Survey and the Chief of the State Museum in Albany, New York, and can be reached at rfakundi@mail.nysed.gov.

Irma Morgan Feibelman (B.S., 1959) is retired and living in Canyon Lake, Texas, and can be reached at jimirma@gvtc.com.

Tommy Foster (B.S., 1984) is a Reservoir Navigation Supervisor with Baker Hughes INTEQ in Port of Spain, Trinidad, and can be reached at tfoster@stx.rr.com. Tommy writes, "I am into my 15th year with Baker Hughes, Inc. My current duties of Reservoir Navigation Supervisor in Trinidad and Tobago include working with BP placing their horizontal wells in the reservoir at the optimum locations. We made some great horizontal wells last year, including BP's best net revenue well in the world (45 mboed). Sherry and I and our two boys live in Corpus Christi, Texas. Robbie Foster is attending Texas A&M Corpus Christi. He is a freshman majoring in physics and doing very well. Justin is attending Calallen High School. He is also a freshman and doing very well preparing for college. Sherry is involved in the women's ministry at church and is very excited about her role as a servant to the Lord."

Hewitt B. Fox (B.A., 1947; B.S., 1948; M.A., 1948) is an independent petroleum exploration and production geologist in Corpus Christi, Texas, and can be reached at hewittbfoxinc@aol.com. Hewitt writes, "I am beginning to complete 55 years of searching for oil and gas with a prospect covering over 50,000 acres in the Rocky Mountains at the best time for a major discovery!"

Jack Q. Frizzell (B.S., 1950) is the President of Enrich Oil Corporation in Abilene, Texas, and writes "actively exploring for oil and gas in west, east, and south Texas. Still operating a family-owned company; wife Pat, sons Allan and Lane involved. I received the John Emery Adams Award at the March 2nd Southwest Section Fort Worth AAPG meeting." Jack and be reached at enrich@bitstreet.com.

Donald W. Frye (B.A., 1955) is a geophysical consultant in Houston, Texas, and writes he's "still having fun exploring Gulf Coast onshore."

Abelardo Garza-Hernandez (B.S., 1975) is a consulting geologist and landman in Chihuahua, Mexico, and can be reached at abgarza@infosel.net.mx.

James M. Geron (B.S., 1960) is the Managing Director of RBC Dain Rausher in Dallas, Texas, and writes, "I have been active in the securities business for 41 years and looking forward to retirement to my ranch in the next year. I raise registered Longhorns and would love to provide a Bevo someday." James can be reached at mickey.geron@rbcdain.com.

Jim Jamshid Gharib (B.S., 1994) is a graduate student at the University of Hawaii at Manoa and writes, "I completed my Master's in chemical oceanography in 1999 ('Methane Dynamics in Hydrothermal Plumes over a Superfast Spreading Center, 28-32S East Pacific Rise'), got married to Marcy Kidwell (originally from Boerne, Texas) in 2000, we just had a boy on June 3, 2002, named Kamran Eliot Gharib. I am hoping to finish my Ph.D. ('Active Serpentine Mud Volcanism in the Mariana Forearc: Implications for Subduction Processes') and move back to the mainland within the next

couple of years." Jim can be reached at gharib@hawaii.edu.

James A. Gibbs (attended 1959) is the Chairman of Five States Energy Company, L.L.C. in Dallas, Texas. He is a member of the Geology Foundation Advisory Council.

Fred M. Gibson (B.A., 1951) does statistical work for the IRS in Austin, Texas, and writes that he is "still semi-retired."

Leslie W. Giddens, Jr. (B.S., 1954; M.A., 1957) is a consulting geologist in Corpus Christi, Texas, and writes, "The year 2002 was a devastating year for the Les and Frances Giddens family. In February, 2002, I was diagnosed to have multiple myeloma cancer and in May, 2002, Frances was diagnosed to have lung cancer. My wife of 48 years passed away September 17th after a short but difficult illness. I am making progress with the multiple myeloma treatments. In February, 2003, I had the autologous blood stem cell collection done at M.D. Anderson Cancer Clinic. I am continuing with my oil and gas consulting work, mainly in South Texas. The new prices of oil and gas are creating a lot more drilling opportunities. It is always good to hear from old friends from UT and the oil industry!"

Paul Giraudin, Jr. (B.S., 1948) is retired and living in Corpus Christi, Texas, and can be reached at pgiraudin@juno.com.

Stephen Glahn (B.S., 1980) is a geologist in Arlington, Texas, and writes "still prospecting in 7-B, also fighting the RRC squeeze play." Stephen can be reached at sglahn817@aol.com.

Georgette Covo Browder Goble (B.A., 1944) is living in Waco, Texas, and writes, "I am not associated with any geology project but do enjoy reading about the latest developments in the field. Thank you for your excellent publication."

Charles A. Goebel (B.S., 1980) is the President and CEO of Santa Rita Energy in Plano, Texas, and can be reached at pres@santaritaenergy.com or via his web site www.santaritaenergy.com.

L. "Rusty" Goetz-Markley (M.A., 1977) is the Global Technical Scout and Principal Geologist of New Global Ventures with ConocoPhillips in Houston, Texas. Rusty can be reached at l.r.goetz@conocophillips.com and writes "survived the first year of the merger. Job moved back into Upstream Exploration but stayed in Houston."

W. Leonard Goode (B.A., 1953) is a consulting geologist in Midland, Texas.

Robert F. Goodrich (B.A., 1973) is a Reclamation Manager with IMC Phosphates in Mulberry, Florida, and writes, "I am continuing to apply my degrees from UT-Arlington in Biology, 1968 and UT-Austin Geology, 1973, to the science of reclamation for lands mined for phosphate. I served as an Army Infantry Platoon Leader in Vietnam with the 9th and 101st Airborne Divisions."

James E. "Jim" Gordon (M.A., 1951) is retired and living in Wrightsboro, Texas.

Roy W. Graves, Jr. (Ph.D., 1949) is retired and living in Tulsa, Oklahoma, and writes, "I have moved from the Southern California Coachella Valley to the wooded hills of Tulsa, Oklahoma. This move was sort of like coming home again. Best greetings to all."

C. D. "Digger" Gray (B.S., 1957) is retired and living in Kerrville, Texas, and writes "still hibernating in Kerrville. Visited Geology Building in December to see the Jackson addition. Impressive, even on a Saturday with nobody around. Will make Open House when staff are in their new digs. Far cry from 1957!"

Will Green (M.A., 1955) is an independent consultant in Midland, Texas, and writes he's "currently participating in Devonian re-entry project in Lea County, New Mexico. Currently serving as President of the Board of Trustees for Midland College."

Charles J. Greene (B.S., 1975) is a Senior Geologist with the Underground Injection Control Program at the Texas Commission on Environmental Quality in Austin, Texas, and writes, "What's up - I'm still alive (barely) and well in Austin. I sold out and moved north of

the river. Toxic fluvial dep in Barton's. Austin keeps growing, but it has some soul left. Meanwhile, I'm just watchin' the river flow. Later."

Robbie Gries (M.A., 1970) is the President of Priority Oil and Gas L.L.C. in Denver, Colorado, and writes "great to be drilling gas wells again - we're doing 35-40 in Northwest Kansas. Continue to pull out prospects and dust them off - working as a geologist again is great (instead of an AAPG full-time volunteer!). Robbie can be reached at rrgries@aol.com. She is a member of the Geology Foundation Advisory Council.

Bryan A. Griffin (B.S., 1996) is an actor living in Houston, Texas, and can be reached at bgriffin1@houston.rr.com. Bryan writes "doing community theatre in Houston and currently working in the Alamo movie."

Chip Groat (Ph.D., 1970) is the Director of the U.S. Geological Survey in Reston, Virginia, and writes that he is "still having fun." He is also a member of the Geology Foundation Advisory Council.

Roy H. Guess (B.A., 1939; M.A., 1940) is a Consultant in Casper, Wyoming, and writes, "Wildcat prospects are very difficult to get drilled (even though I have one very good one) so I have started working on the 'stock market.' I work primarily on 'nanotechnology' and looking afar into the future perhaps 'fuel cells' will become worthwhile." Roy may be reached at rhguess@aol.com.

James J. Halbouty (B.A., 1942; M.A., 1943) is retired and living in Houston, Texas, and writes, "Being at UT during the years 1939-1943 seems sweeter as the years roll by. Wife Dorsey and I are doing fairly well healthwise. Regards to all former classmates."

Marc Harder (B.S., 1983) is a Senior Geologist with DuPont in Charlotte, North Carolina, and writes that he has been in the "environmental consulting field since 1989." Marc can be reached at marc.harder@urscorp.com.

Jennifer Thompson Hare (B.S., 1986) is a Senior Geophysicist with Zonge Engineering and Research in Tucson, Arizona.

Robert W. Hare (B.S., 1979) is a geologist in Fort Worth, Texas.

Louis H. Haring, Jr. (B.S., 1938) is the President of Haring Energy Company in San Antonio, Texas, and writes "still here at age 86. Traveling some but not as much as usual. Participating in a few drilling deals annually. Having a good time enjoying my children and grandchildren."

Wiley B. Harle (B.S., 1950) is retired and living in Houston, Texas, and writes that he doesn't "know how I ever found time to work."

Laurence H. Hawes (B.S., 1951) is retired and living in Midland, Texas, and writes, "We have curtailed our travel since 9/11. Plan to do the Lewis and Clark Trail this summer. We have been enjoying having children and grandson visiting here in Midland. You are doing a great job on the *Newsletter*, thanks." Laurence can be reached at hawlau@cox.net.

Hugh Hay-Roe (M.A., 1952; Ph.D., 1958) is the Senior Vice President of BPZ Energy, Inc. in Houston, Texas, and writes "still exploring and developing oil and gas projects in South America - there's plenty left yet. Finished 15 years on geo-writing in "The Geologic Column" for AGI's *Geotimes* magazine." Hugh can be reached at hhr@hal-pc.org.

Edward F. Haye (B.S., 1951) is the President of Benchmark Exploration in Houston, Texas. Edward writes, "Will attend AAPG convention in Salt Lake City in May and see my daughter, Paula, who lives in Sandy."

William Michael Hazlip (B.A., 1983) is the Manager of Business Development of Chesapeake Energy Corporation in Oklahoma City, Oklahoma, and can be reached at mhazlip@chkenergy.com or via his company's website www.chkenergy.com.

Arch H. Heim (B.S., 1950) is retired and living in Nelson, Missouri.

Brad Henderson (B.S., 1986) is a Technical Staff Member with Los Alamos National Laboratory in Los Alamos, New Mexico, and writes, "I am a technical staff member in the Space and Remote

Sensing Sciences Group at Los Alamos National Laboratory. I'm working on aerosol retrievals and atmospheric correction of multispectral satellite image data. My wife Kristin and I have a new baby, Eleanor, born April 20, 2002." Brad can be reached at henders@lanl.gov.

Alison Teagan Henning (B.S., 1994; M.A., 1997) is a graduate student at Rice University in Houston, Texas, and writes, "I am working on my Ph.D. at Rice and hoping to finish in Dec. 2003. My husband Tod and I are also expecting our first child in March, so it should be an exciting year!" Alison can be reached at ahenning@rice.edu.

Reid Hensarling (M.A., 1981) is an Associate Rector with All Saints' Episcopal Church in Lakeland, Florida, and writes, "My family and I have moved from Tennessee to Florida. We hope our time in Florida will be productive and prosperous. There is much geology to see in the state of Florida. The weather certainly is wonderful."

Harold T. Henslee (B.S., 1950) is a semi-retired independent consulting geologist in Amarillo, Texas, and writes, "Still trying to find a few good oil or gas prospects but not working as hard as I used to. Looking forward to football season and trips to Austin. Otherwise everything is okay."

Jonathan "Jon" Herwig (M.A., 1982) is the Vice President and Senior Marketing Manager, Pacific in Honolulu, Hawaii, and can be reached at jherwig@ch2m.com. Jon writes, "Recently moved over to CH2MHILL (largest U.S. AE) as Vice President for marketing DoD entities in the Pacific. Still living in windward Oahu, but focusing on developing business opportunities in Japan, Korea, China, and behind. Aloha from Bobbie and me."

Christoph Heubeck (M.A., 1988) is a Professor with the Institut fuer Geologische Wissenschaften in Berlin, Germany.

Charlie Hewitt (B.S., 1988; M.A., 1990) and **Suzanne Mechler Hewitt** (B.S., 1989) live in Dallas, Texas, where Charlie is a Product Manager with TXU Energy Services and Suzanne is a homemaker.

Charlie writes, "Suzanne and I are doing great. The girls, Margaret, 7, and Elizabeth, 4, keep us busy. Recently, Suzanne had fun sharing her love of geology with the first graders at Margaret's school. They were learning about rocks and soil. As for me, I keep busy at TXU. Deregulation has made the electric business an interesting place to work these days. If you are ever in the area, look us up!" Both Charlie and Suzanne may be reached at suzmeister@juno.com.

Charles H. Hightower (B.S., 1956) is an independent petroleum geologist in Lafayette, Louisiana.

Nolan Hirsch (B.S., 1944) is the president of MVC, Inc. in Midland, Texas, and writes he's "still trying to find oil or gas, but not quite as hard. ¾ days at the office. Having a hard time adjusting, Sue passed away in May of last year. Children and grandchildren also keep me busy."

Dave Hixon (M.A., 1959) is semi-retired and living in Friendswood, Texas.

David S. "Scotty" Holland (B.S., 1957) is retired and living in Houston, Texas, and can be reached at dholland1@houston.rr.com. He writes "active with my son's exploration company - Trend Exploration L.L.C. Had our 50th wedding anniversary in July. Traveling and enjoying life." He is a member of the Geology Foundation Advisory Council.

William C. Holland (B.S., 1981) is the Principal Geologist with Holland Exploration, Inc. in Houston, Texas, and writes "enjoying geology, finding oil and gas. Hello to the members of the bat mobile 660 field camp. Family is doing well. Children are now 18 and 11 years old. What a rush! I must be getting old and don't feel it because of the thrill of geology - time flies. Keep following the dream. God bless!"

H. W. "Bill" Hollingshead, Jr. (B.S., 1957) is retired (but doing a little consulting) in Midland, Texas, and writes "still enjoy our place in Pagosa Springs, Colorado, the fishing particularly."

Ben P. Hooper (B.S., 1980) is an Exploration Manager with Joy Resources in Houston, Texas, and can be reached at joseyhoop@msn.com. Ben writes, "I am still working for the Young and Josey families (great Texas Exes). We all miss Jack Josey, but he left a legacy that we are very proud of. Debbie and daughters Mary (15) and Kelly (13) are all great. I am looking forward to my two girls' going to Texas."

Eleanor M. "Ellie" Hoover (B.S., 1956) is a consultant in Conroe, Texas, and writes, "Remembering the U.T. Geological Society of some decades past (1955-56). Only four of us showed up for the election of officers meeting. As you might guess all four of us were elected to office. I, Ellie Macha Hoover, was the secretary. The others were Rex White - President, Les White - Vice President and Bill Ward - Treasurer. As program chairman, Les was moderator of the 'Origin of the Moon' debate between Dr. Folk and Dr. Muehlberger. A large and enthusiastic crowd filled the auditorium in the old Geology Building for the 'big debate.' It was an exciting and fun event. Who won? Who knows?!"

Lawrence E. Hoover (B.S., 1948) is the President of Guaranty Petroleum Corporation in Corpus Christi, Texas.

Charles "Skip" Hoskin (Ph.D., 1962) is retired and located in his vegetable garden in Kingston, Washington (he can also be found "reclining in his LazyBoy"). He writes, "I still work with sediment, but now I call it dirt and I grow veggies and berries in it." Skip can be reached at drdirtz@juno.com.

William P. C. Hudson (B.S., 1975) is the CEO of the Domus Group in Brownsville, Texas, and writes, "Strong growth in the border region continues. It's great to live in a subtropical paradise." His website is www.paseodelaresaca.net.

Ed W. Hughston (M.A., 1950) is an independent petroleum geologist in Taos, New Mexico, and writes "not much changed. Still living in Taos (24 years) with time at our farm north of Dallas, our mountain place in southern Colorado, and at least a month per year

in Puerto Vallarta, Mexico. Still involved in helping promote wells in the upper Texas Gulf Coast." Ed can be reached at joanh@newmex.com.

Gary Hummel (M.A., 1982) is a Geologist with Westport Resources in Houston, Texas, "working offshore Gulf of Mexico." Gary can be reached at ghummel@wrchou.com.

Brian Butler Hunt (B.S., 1996; M.S., 2000) is a Hydrogeologist at Barton Springs / Edwards Aquifer Conservation District in Austin, Texas, and can be reached at brianh@bseacd.org.

Elvin M. Hurlbut, Jr. (B.S., 1943) is retired and living in Tyler, Texas, and writes "had to euthanize our last cat (incurable kidney disease). Now petless. Virginia and I still keeping the doctors in business. Keep up the good work with the Newsletter."

Janie Bell Hurley (B.S., 1978) is living in Dallas, Texas, and writes, "I'm still in Dallas... husband Steve is with Hunt Oil Company. I spent a fun holiday weekend with **Donna Balin** (B.S., 1978) at Possum Kingdom Lake last year. Other quality time is spent hiking the Ozarks in northwest Arkansas. Regards to all my old buddies!"

David Hutchison (B.S., 1979) is a chiropractor in Newport, California, and writes, "Hi everyone, I haven't worked in the industry since 1984, but changing careers worked out during the lean times. I am still single, playing golf three times a week, and loving life to the fullest." David can be reached at deh44@earthlink.net.

James F. Hyde (B.S., 1956) is the owner of Taos Valley Construction Company in Taos, New Mexico, and can be reached at ccgc@laplaza.org. James writes he's "enjoying fantastic health in this clean mountain air. Our company builds retirement homes in Taos and Angel Fire. Love to hear from 'old' classmates."

Logan Irvin (B.S., 1979) works for Clayton Williams Energy, Inc. in Midland, Texas.

J. R. Jackson (M.A., 1940) is retired and living in Houston, Texas, and

writes, "Three grandsons enrolled at Texas A&M - one graduated this year. Unfortunately none enrolled in geological sciences. Life is now primarily a maintenance program."

Lance Jackson (B.S., 1979) is the Offshore Manager of the J.M. Huber Corporation in Kingwood, Texas. Lance writes, "still drilling and producing in the Gulf of Mexico. The last several years have been very good to us. I have had the good fortune of being surrounded by very competent people. They always seem to keep me out of trouble."

Russell W. Jackson (B.S., 1976) is a geologist with Tyler Oil and Gas, Inc. in Tyler, Texas, and writes "always fun to see Exes at oil industry conventions, etc. If in Tyler, look us up. We have a small boom going on here." Russell can be reached at rwtjogi@cox-internet.com.

Charles G. Johnson (B.S., 1983) is a geologist with McGowan Working Partners, Inc., in Jackson, Mississippi.

Charles E. Jones (B.S., 1951) is retired and living in Houston, Texas, and writes "do not play golf any longer, just read and work crossword puzzles."

Ms. Gene F. Keyser Jones (B.S., 1948) is retired and living in Midland, Texas, and writes, "Besides the learning curve of being a widow, settling an estate, and keeping up with oil and gas interests, 'retired' seems to mean 'busier than ever' with family and friends, new and old. Lots of losses and caregiving, and I will look forward to the *Newsletter*! How grateful I am to be healthy and happy."

J. Phil Jones (B.S., 1964) works with Regulatory Affairs in the Fort Worth Basin for Devon Energy Operating Company, L.P. in Edmond, Oregon, and writes "very busy attempting to stay ahead of 16 drilling rigs operation in the Barnett shale of the Fort Worth Basin. Securing permits to drill and all the other regulatory compliance issues associated with this level of activity is rewarding and tiring. My regards to all."

E. A. Karper (B.S., 1941) is the owner of Karper Company in Graham, Texas, and writes "been through 2 or 3 booms and

busts but \$38 oil and \$7 gas at 85 years this last boom may get me by. Have a UT land man and a Texas Tech geologist that I may have to explain what a bust is."

Edwin N. Kasper, Jr. (B.S., 1951) is retired and living in Houston, Texas, and writes, "I am looking forward to being in Austin this coming June for the Texas Exes Alumni College on June 17-20. Dynamic programs, great food treats, and visiting with old friends makes it a lot of fun. Best wishes to all!"

Kevin M. Kelly (B.S., 1982) is the Director of Business Development with the Marine Bioproducts Engineering Center at the University of Hawaii in Honolulu, Hawaii, and can be reached at kevink@hawaii.edu or via www.marbec.org.

Ed Kennedy, Jr. (B.S., 1948; M.A., 1949) is a consulting geologist in Midland, Texas, and writes "continue to specialize in the Delaware Basin of Southeast New Mexico and West Texas." Ed can be reached at polkratz@apex2000.net.

Bob Kent (B.S., 1972) is living in Boise, Idaho, and writes, "After 30 years of studying groundwater both contamination and supply, I have semi-retired to Boise, Idaho. I plan on continuing to work for USAID on projects in the Middle East, and I have a few clients that I continue to work for. I plan on spending most of my time flyfishing in the northwest." Bob can be reached at sbkent@cablone.net.

George L. Keptra (B.S., 1952) is retired and living in Plano, Texas, and writes, "After a short illness my wife passed away on 9/1/02. My children wanted me to move closer to them, so I moved to Plano."

Don Kerr, Jr. (B.S., 1960) is the President of Kerr Construction Services in Houston, Texas.

Robert J. Killian (B.S., 1977) is an Exploration Geologist with Alcorn Texas Properties, Inc., in Houston, Texas, and writes "still busy working 3-D data volumes on TKS in the Gulf Coast. Being a single parent to active 10- and 13-year-olds keeps me busy in my 'spare' time." Robert can be reached at maurah@yahoo.com.

Paul Kirby (B.A., 2002) is living in Austin, Texas, and can be reached at pk509@texas.net.

David L. Kirchner (B.S., 1973) is President of Basin & Range Hydrogeologists, Inc. in Phoenix, Arizona, and writes that he is "alive and well in sunny and dry Arizona, where I have been working and living since 1983. I am married to Kathy Doyle Kirchner, a retired geologist and graduate of Arizona State University, who now does fund raising for schools and performs the lion's (and lionesses') share of raising our two sons, Kory (12) and Kody (10). I, Kathy, and the boys are very active in the Cub Scouts, Boy Scouts, Youth Soccer, and Little League Baseball. Kody claims that his lot in life is to play professional baseball in the major leagues, while Kory is still considering his many career options. Kory has promised his parents and grandparents, and sworn by his honest words that, when he becomes an official human teenager, he will not allow The Aliens to suck out his brains and make him all weird, and, like, you know. I currently serve voluntarily as vice chair of the Arizona Water Protection Fund Commission (a state agency), president of AZ-ELM, Arizona Environmental Leadership Through Mentoring (a private, non-profit organization), and chairman of the Arizona Hydrological Society's continuing education committee. I enjoy taking the Scouts camping, hiking, backpacking, and exploring the incredible and well-exposed geology of Arizona. Recently, I helped take the Cub Scouts camping at Mount Lemmon near Tucson, and to see the Kartchner Caverns near Benson, Arizona. The Scouts really enjoyed spelunking and observing the many colorful speleothems, which were formed in the Escabrosa Limestone in the Whetstone Mountain. If you have not been there yet, it's worth a trip. Our family maintains a comfortable home in Phoenix (i.e., the house has a very cold air conditioning system), and welcomes visitors, even when ambient air temperatures are hovering in the low 100s. It's a dang good thing that the world's largest nuclear power plant is located nearby!"

Thomas M. Kirkpatrick (B.S., 1984) is a Project Manager and Geologist with Shaw Environmental and Infrastructure,

Inc. in Knoxville, Tennessee, and writes "survived bankruptcy of IT corporation and having success with Shaw Environmental and still learning. Moved to a big, old, country farmhouse with my wife and three kids and enjoying it." Thomas may be reached at tom.kirkpatrick@shawgrp.com.

Brian Knight (M.S., 2001) lives in Ruckersville, Virginia.

Rick Kolb (M.A., 1981) is the Principal Geologist with MACTEC Engineering and Consulting in Raleigh, North Carolina, and writes, "Law Engineering merged with MACTEC in 2002, and the new company has 100 offices across the U.S. I am a principal and project manager and work with local and national clients on environmental projects. I have now been in Raleigh 13 years, and both of my children have left the nest. However, I have two step-children at home, so it is not yet quiet. I spend my spare time playing soccer, motorcycling, and traveling." Rick can be reached at rkolb@mactec.com.

Lis Könnecke (M.S., 1997) is a Senior Infield Data Processor for WesternGeco and writes "working on seismic vessels and recently moved to Albuquerque, New Mexico." Lis can be reached at lkonnecke@hotmail.com.

Erwin K. Krause (B.S., 1949; M.A., 1954) is retired and living in Houston, Texas, and writes, "At age 78, I finally snorkeled over Chankanaab and Palancar Reefs in Cozumel in 2002. Then I visited New York City after an absence of 70 years. Followed this with a hip replacement and another heart attack."

Karen Carter Krogh (M.A., 1985; Ph.D., 1990) lives in Apex, North Carolina, and writes, "Kenzie went off to kindergarten August, 2002. I spend a major part of every week at her school tutoring, working in the library, helping in the computer lab, assisting in the classroom, and doing science enrichment projects. In my (not) spare time I have earned my black belt in Sanshinkai Karate." Karen may be reached at albion@kroghsnest.com.

J. Scott Kuykendall (B.A., 1975) is the owner of Clearance Testing Services in

San Antonio, Texas, and writes "started a business last year performing indoor air quality testing for mold. Good thing I majored in geology. Just kidding!"

Laurel Lacher (B.S., 1987) is a consultant in Tucson, Arizona, and writes, "After 6 years with the White Mountain Apache Tribe, I've finally hung out my own shingle and joined the ranks of the self-employed. Back in Tucson, enjoying the perks of city life. Traveled to India, Sri Lanka, and Argentina in 2002. Life is good!" Laurel can be reached at llacher1@msn.com.

George Laguros (M.A., 1987) is a Senior Geophysicist with Marathon Oil Company in Houston, Texas, and can be reached at glaguros@houston.rr.com. George writes, "16 years with Marathon. Where has the time gone? Family is well. Between Michael's (13) French horn and Daniel's (10) piano, the house sounds like a concert hall...well, sort of."

James L. Lamb, Jr. (B.S., 1956) is an oil and gas producer in Austin, Texas, and can be reached at jllambir@aol.com.

Leon M. Lampert (B.S., 1951; M.A., 1953) is an independent geologist in Dallas, Texas, and writes, "I closed my Corpus Christi office in September 2002 but still have a Dallas office. Am thankful for the high oil/gas prices in March 2003 and hope they will continue before the inevitable drop. We are enjoying the success of the UT basketball and baseball teams."

Bill Layton (B.S., 1981) is a Petroleum Geologist with Burk Royalty Company in San Antonio, Texas, and writes "exploring onshore Texas Gulf Coast. Jessica finishing freshman year of college...Jordan finishing freshman year in high school. K.C. and I are doing well...The Phantom rules the corn-cob batmobilers...660, 1981!" Bill can be reached at laytonbrc@sbc.global.net.

Joël Le Calvez (Ph.D., 2002) is a geologist with Schlumberger in College Station, Texas, and writes "working for Schlumberger on various types of projects both offshore and on land, nationally and internationally." Joël can be reached at lecalvez@alumni.utexas.net.

H. Louis Lee (B.A., 1954; M.A., 1958) is a Consulting Geologist in Austin, Texas, and writes "continuing to consult on 3D seismic projects on the Texas Gulf Coast. The last 5 years have been very busy and the current high product prices are a real boost for our business."

Stephen C. Leslie (B.S., 1995) lives in Honolulu, Hawaii, and writes, "After 5 years of fun in the sun in Hawaii, I've accepted a job with ChevronTexaco in California as a geophysicist. Drop by and visit if you're in the San Francisco Bay Area. Cheers!" Stephen can be reached at sleslie@hawaii.edu.

Robert A. Levich (M.A., 1973) is an International Program Manager and Physical Scientist with the U.S. Department of Energy in Las Vegas, Nevada, and can be reached at bob_levich@ymp.gov.

David Levin (B.A., 1978) is the owner and president of Power Petroleum in San Antonio, Texas, and can be reached at powerpet@realtime.net. David writes, "Hello Casita Alta crew - Walter, Judy, Tommy, John, Jeff. It is 25 years since 660 and counting, geology and oil prospecting still a blast! Miss my dad, geology and UT alum Max Levin."

Walter S. Light, Jr. (B.S., 1977) is the President and Exploration Geologist of Thunder Exploration, Inc. in Houston, Texas, and can be reached at wthunderx@aol.com.

Tim Lignoul (B.S., 1982) is an attorney in Santa Monica, California, and writes, "I am continuing my position as outside environmental counsel for Verizon Wireless in the West Area. My geology degree is an important part of my success." Tim can be reached at texexes@pacbell.net.

Tung-Hung Thomas Lin (M.A., 1984) is a Senior Staff Geophysicist with Ocean Energy, Inc. in Sugar Land, Texas, and can be reached at thomas.lin@oceanenergy.com.

Eugene Lipstate (B.S., 1949) is retired and living in Lafayette, Louisiana, and can be reached at elstate@aol.com. Eugene writes, "Our oldest granddaughter is finishing her freshman year

in May, 2003 at The University of Texas. She really likes Austin and school. Happy to hear that the Jackson gift to the geology school is keeping us afloat."

Nancy E. Green Lister (B.A., 1955) is a housewife in Houston, Texas, and writes, "Ray has not retired so is busy as usual. We go hunting, fishing, and take other trips when we can. We're really enjoying our precious little grandchildren. Best wishes to all." Nancy can be reached at rlister@airmail.net.

Erwin R. "E. R." Lochte, Jr. (B.S., 1956) is a petroleum geologist in San Antonio, Texas.

Jim Lockley (B.S., 1978) is Principal Geophysicist with El Paso Production in Houston, Texas, and can be reached at either jlockley@sbcglobal.net or james.lockley@elpaso.com.

Allen C. Locklin (B.S., 1954) is an independent exploration geologist in Tyler, Texas, and writes "now office at home and have everything in one pile. Of my 5 grandchildren, Macy Shaver, is a freshman at UT (hooray) two, Lindsey and Claire Shaver are at Texas Tech. Son's two, Alyson (13) and Russ (11), not there yet but a chance they'll go to UT. Their mom did (Lisa). Can't complain. At 73 I still compete in track and field for seniors."

Donald R. Longenecker (B.A., 1949) is living in Wilson, Wyoming, and writes "continue to enjoy living in the mountains, Jackson Hole area, even with the huge influx of population."

E. W. "Bill" Longmire (B.S., 1950) is living in Carrollton, Texas, and writes "reading and playing with grandkids. Spend a lot of time rating golf courses for USGA. The old bones are creaking, but enjoying life."

R. Michael Looney (B.S., 1971; M.A., 1977) is the president and owner of Cymraec Exploration Inc. in Houston, Texas, and can be reached at looney@cymraecexploration.com. Michael writes, "Formed Cymraec 3 years ago to generate prospects from nearly 150,000 miles of 2-D and 2000 miles of 3-D data in Texas Railroad districts 1-6. Having some good luck.

Will drill 20-22 wells in 2003. Enjoy hooking up with graduate school group for UT football games."

Ernest L. Lundelius (B.S., 1950) is a Professor Emeritus at The University of Texas at Austin and writes, "I am still working on some research projects, one dealing with the Pleistocene faunas of Australia and one with Russell Graham of the Denver Museum on the FAUNMAP database of North American mammals of the last 5 million years. I am also enjoying watching my three grandchildren grow. One actually shows some interest in geology and paleontology!" He can be reached at erniel@mail.utexas.edu.

Christopher David Marshall (B.S., 1997) is a high school science teacher and coach with The Colony High School in The Colony, Texas, and writes, "Greetings to all UTDOGS!! I've recently gotten married to a wonderful young lady, Cindy. We both work in education in the Dallas area. She in counseling, and myself in the classroom. I hope everyone is doing well, and I look forward to seeing the new building the next time I get down to Austin. HOOK 'EM!" Christopher may be reached at crism@c-zone.net.

Sabin W. Marshall (B.S., 1952) is retired and living in Houston, Texas, and writes "enjoyed another geologist at the 50th reunion of the Class of 1952 in Austin last year. Took a 3-week archaeology tour of Spain last May."

Dave Martens (B.S., 1984) is the Deputy Assistant Director for UNOCAL in Bangkok, Thailand, and writes, "My family and I have started our tenth year in Bangkok. Work is still exciting as I'm now managing a cross-functional team responsible for some of the gas field UNOCAL operates in the Gulf of Thailand. Sports keep my family and me busy in our leisure time." Dave can be reached at dmartens@unocal.com.

James Mayer (Ph.D., 1995) is a Geology Professor at the State University of West Georgia in Carrollton, Georgia, and can be reached at jmayer@westga.edu.

William E. Maynard, III (B.S., 1951) is retired and living in Bastrop, Texas.

Robert L. McBroom (B.A., 1951) is a consulting petroleum geologist in Wichita Falls, Texas, and writes, "finally hit the 'Big One' in East Texas! A 'whispering' interest, but at least it's an interest in something. Still hunting for oil in North Texas and southern Utah." Robert can be reached at macescoba@aol.com.

Dan McConnell (B.S., 1995) is a Senior Geologist with Fugro GeoServices, Inc. in Houston, Texas, and can be reached at either dbmc@ev1.net or dmcconnell@fugro.com. Dan writes, "Last summer, I had the most remarkable and amazing experience of being invited to join the scientific crew on Leg II of a Department of Energy / Minerals Management Service sponsored investigation of natural gas hydrates in the deepwater Gulf of Mexico using the manned submersible 'Johnson Sea-Link.' Two of my photos from that fantastic cruise are scheduled to be published in an article in the April 2003 *The Leading Edge*. The article is about my current interest - how to image the base of gas hydrate stability in deepwater sediments and the identification of gas hydrate traps."

Matt McCullough (M.A., 1990) is a Senior Geologist with Marathon Oil in Houston, Texas, and can be reached at mlmccullough@marathonoil.com.

T. A. "Mac" McGilvery (Ph.D., 1996) is a Stratigraphic Advisor with ConocoPhillips in Anchorage, Alaska, and writes, "Things are going great. Karen, Andrew, and I moved to Anchorage in December 2002. The North Slope geology is very interesting. A classic example of the link between tectonics and sedimentation. Alaska is an interesting place to live. We are still getting used to the idea of moose eating all of our bedding plants in the front yard!" Mac can be reached at mac.a.mcgilvery@conocophillips.com.

Richard W. McGlathery (B.S., 1976) is a Geologist with Panhandle Royalty Co. in Oklahoma City, Oklahoma.

Bill J. McGrew (B.S., 1954; M.A., 1955) is retired and living in Columbia, Tennessee, and writes "everything the same - traveling and looking at geology."

Wayne Eugene McIntosh (B.S., 1956) is a Consulting Engineering Geologist in Rio Rancho, New Mexico, and can be reached at wemhuz1@aol.com. Wayne writes "enjoy the Newsletter, staying busy consulting and visiting kids and grandkids scattered about the country. Enjoy our new motorhome, which makes traveling and visiting easy. If any 'old' friends would like for us to visit we only need electric and water hookups or information on the nearest RV park."

Charles McKemie (B.S., 1979) is a Global Manager in Plant Service with Dow Automotive in Auburn Hills, Michigan, and writes "going into my 18th year of service now with the Dow Chemical Company. Manage a global group of engineers who work closely in partnership with our automotive assembly plant customers." Charles may be reached at peakangus@cs.com.

Thomas E. McKenna (Ph.D., 1997) is a Hydrogeologist with the Delaware Geological Survey of the University of Delaware in Newark, Delaware, and can be reached at mckennat@udel.edu/dgs or via www.udel.edu/dgs.

W. N. "Mac" McKinney, Jr. (B.A., 1960; M.A., 1963) is a consultant in Spring, Texas, and can be reached at wmckinney@houston.rr.com. Mac writes, "I hate to say it but these high gas prices are really helping my royalty checks. I'm up to 12 gas wells now and hoping for more."

Mike McLeod (B.S., 1986) is a geologist in Concord, California.

Jerald E. McQueen (B.S., 1961; M.A., 1963) is the Senior Vice President of Medallion Oil Company in Houston, Texas. Jerald can be reached at jemc@kingwoodcable.com.

A. D. McRae (B.S., 1942) is retired and living in Dallas, Texas, and writes "very reluctantly made the move in 2002 to a retirement facility in Dallas after 15 lovely years in the Texas 'Hill Country' at Horseshoe Bay."

Joe N. Meadows (B.A., 1962) is a Justice of the Peace in Waco, Texas, and writes, "If you are in Waco, come by the courthouse and visit." Joe may be reached at meadowsjoe8@cs.com.

Anne Smith Miller (B.A., 1983) is the Project Manager with the Texas Commission on Environmental Quality in Austin, Texas, and writes, "HEY to my old Geo pals!" Anne can be reached at aesmiller@aol.com.

Michael R. Miller (B.S., 1980) is a geologist in Austin, Texas, and writes "basically been 'tirare la carretta.' As an ex-president of GDS, I send special greetings to all scum." Michael can be reached at mike.citysurvey@birch.net.

Wayne D. Miller (M.A., 1957) is a consulting geologist in Midland, Texas, and writes "continue to keep busy consulting. Thought by now I would be slowing down, but really enjoy the oil business. Presently, finally, getting one of my development prospects drilled. Have completed one re-entry with two more to go plus at least one or two new drills. Family all doing well."

Karen I. Mohr (Ph.D., 2000) is an Assistant Professor in the Department of Earth and Atmospheric Sciences at the University of Albany, SUNY, in Albany, New York.

Wayland P. Moody (B.S., 1954) is retired and living in Fort Worth, Texas, and writes "taking it easy - winters in Fort Worth and summers in Lake City, Colorado. All is well. Hook 'em 'Horns."

Jule Jacobson Moon (B.A., 1940; M.A., 1941) is retired and living in Fairhope, Alabama, and writes "enjoying retirement on beautiful Mobile Bay and engaging in various volunteer activities. I still miss wonderful Texas."

John L. Moore (B.A., 1982) is the Principal Geologist of Solid Power Solutions in Houston, Texas, and can be reached at jomojlm@netscape.net.

Julie Schiebl Moore (B.A., 1981) is an Operations Manager in Santa Barbara, California, and can be reached at juliettesmoore@msn.com. Julie writes, "living where the mountains meet the water in lovely Santa Barbara. Currently managing a telecommunication company, back to riding horses and still doing yoga. Lots of Texans here in Paradise, and really cool geology too."

R. McKay Moore (B.A., 1952) is an independent in Shreveport, Louisiana.

Charles Motz (B.S., 1960) is retired and living in New Braunfels, Texas, and writes that he still takes the "occasional trip to the east coast."

Maureen Mullarkey (B.S., 1981) is the Chief Financial Officer for International Game Technology in Reno, Nevada, and writes, "While Nevada is home I still miss Texas and all my geo-pals from the class of 1981." Maureen can be reached at mtm@igt.com.

Susan Hallam Murosko (M.A., 1982) is an Engineering Geologist and Environmental Consultant in Sykesville, Maryland.

G. Allan Nelson (B.S., 1947) is a consultant in Denver, Colorado, and writes "still go downstairs to coffee with the only other 1947 classmate in the Rockies, John Osmond. Also still do well-sitting, I'm only 81 years old (almost)."

David C. Noe (M.A., 1984) is the Chief of Engineering Geology with the Colorado Geological Survey in Denver, Colorado, and writes "closing in on my Ph.D. degree, writing a lot, publishing a few articles, and doing a lot of public speaking about the value of geology to everyday life. Who could ask for more?" David can be reached at dave.noe@state.cc.us or via his website <http://geosurvey.state.co.us>.

Isaac W. Norman (B.S., 1948) is retired and living in Taylor, Texas.

George E. Nowotny, Jr. (B.S., 1955) is retired and living in Indian Wells, California, and writes "fully retired and at age 70 enjoying the beautiful weather of the southern California desert, playing golf 4 to 5 days a week."

John F. O'Donohoe (B.S., 1950) is the President and CEO of Coastline Exploration, Inc. in Houston, Texas.

A. M. "Red" Olander (B.S., 1948) is retired and living in Austin, Texas, and writes "recently sold my cattle - spending more time enjoying my family and living in Austin."

Bill Oliver (B.S., 1968; M.A., 1970) is a consultant with Petroquest Energy in Lafayette, Louisiana, and can be reached at boliver@cox-internet.com.

Donald E. Outlaw (B.A., 1940; M.A., 1947) is retired and living in Newark, Delaware, and writes "enjoy reading the *Newsletter*. I am active - Florida in winter and Poconos in the summer."

Kenneth I. Owens (B.A., 1954) is retired and living in Austin, Texas, and writes, "As I compose this, Austin is shut down as a result of a sleet storm on Feb. 24, 2003. UT baseball is doing well and hopefully will have won another national title by the time this *Newsletter* is published. Tutored students, ages 12 and 14, are making progress."

Robert M. "Bob" Owens (B.S., 1951) is an independent in Houston, Texas.

Matthew J. Parsley (M.A., 1988) is the President of Parsley Resources, Inc. in Midland, Texas, and can be reached at mparsley@geospectrum.com.

Jennifer Perry (M.S., 2001) is a geologist with ERM-Southwest, Incorporated, in Houston, Texas.

Stephen G. Petmecky (B.S., 1985) is the owner of Capital City Remodeling in Austin, Texas, and writes, "Business is great, celebrating 15th year, as well as 50th birthday (February) and 20 years of marriage (August). Wife Karen in 18th year as AISD Spanish teacher. Son Carl (15) playing baseball at Crockett High School. Daughter Sarah (14) is first chair tuba player at Covington Middle School."

Robert W. Pettigrew (B.S., 1952; M.A., 1954) is retired and living in Spring Branch, Texas, and writes "enjoying retirement in between contract work, gardening, and oil painting. Retired 10 years and have yet to find the golf course." Robert can be reached at robertwp@gvtc.com.

Nestor D. Phillips, II (M.A., 1991) is a Senior Geologist with Dominion Exploration in Houston, Texas, and writes "still working South Texas exploration for Dominion in Houston; Gabriella, Donovan, and Vickie are all

happy and healthy. Life is good." His e-mail is nestor_d_phillips@dom.com.

William R. "Bob" Pickens (B.S., 1957; M.A., 1959) is retired and living in Columbus, Texas, and can be reached at gravel@wcnet.net. Bob writes, "After 3 years of effort, failed to sell the locals on a groundwater conservation district, I have 're-retired' to our grand hill to focus on land reclamation / restoration projects and resolving problems with existing interpretation of mid-Pliocene and Early Pleistocene geology of Colorado County and surrounding area. Anyone interested in participating in a regional project of this focus?"

John D. Pigott (B.S., 1974; M.A., 1977) is an Associate Professor of Geology and Geophysics at The University of Oklahoma in Norman, Oklahoma, and writes "spent 2 months last summer meditating in the jungles of Thailand, caught malaria, but more importantly, caught 'life'. Was ordained a Deacon in the Roman Catholic Church last November and now understand that geology is but one portal." John can be reached at jpigott@ou.edu or via his web site at <http://geosciences.ou.edu/~mpi/>.

James N. Piper (B.A., 1988; M.A., 1997) is a research scientist with Applied Research Labs and a diving safety officer in Austin, Texas. He writes, "In April 2003 I will get the chance to fulfill a lifelong dream. I will be attending the U.S. Navy Dive School (as a civilian). Wish me luck because I will be 21 years older than the next oldest student in my class!" James can be reached at piper@arlut.utexas.edu.

Gene Pisasale (M.A., 1980) is a Senior Investment Officer with Wilmington Trust in Wilmington, Delaware. Gene writes, "Having gotten my foundation in the petroleum industry, I made a big change and entered the investment industry in 1986 - and have now come full circle, working as an equity analyst covering the energy/petrochemical industries." Gene can be reached at gpisasale@wilmingtontrust.com.

Gerald S. Pitts (B.S., 1954) is a Consultant with Pitts Energy Co. in Midland, Texas, and writes, "The thrill of exploring

for oil and gas continues. Still working with my three sons doing all we can to increase our daily production. Cannot believe the prices for our product. Best wishes to former classmates and business associates." Gerald can be reached at jerry@pittsenergy.com.

Phil Pitzer (B.S., 1954) is an oil operator in Breckenridge, Texas, and can be reached at philpit@starband.net. Phil writes, "Have moved to my Caddo Creek Ranch - between it and my Breckenridge office I find my days still quite busy. My son Greg has developed into three times a better geologist than I am!"

Michael P. Plamondon (M.A., 1974) is the Vice President of Global Customer Services with IHS Energy in Englewood, Colorado, and can be reached at mike.plamondon@ihsenergy.com.

Craig Pollard (B.S., 1981) works with UP Exploration Cinco Natural Resources in Austin, Texas.

Nick Pollard (B.S., 1984) is a Geologist with C.W. Resources, Inc. in Longview, Texas, and writes "going on 5 years working at C.W. Resources. Still generating and drilling in East Texas. Spudding another salt dome well in April, hope to have sanity intact at T.D." Nick can be reached at nick@cwresources.com.

J. Dan Powell (Ph.D., 1961) is a Consultant in Grand Junction, Colorado, and can be reached at dandorth@aol.com. Dan writes, "Dorothy is fine. I keep trying to retire, but it's not going to happen if THEY keep drilling around here!"

John William Preston (B.S., 1970) is a Geophysicist with Hurd Enterprises, Ltd. in Houston, Texas, and writes "still picking squiggles for the Hurds - starting my eighth year as their only employee in Houston. Refer to my office as Hurd's World Headquarters, Houston. Only domestic exploration - west of the Sabine and south of the Red Rivers and most of that pretty close to the Rio Grande." John can be reached at johnwmp@hal-pc.org.

John Proctor (B.A., 1950; B.S., 1955) is retired and living in New Braunfels,

Texas, and writes, "Last fall we went on a cruise from Montreal to New York. The highlights of the cruise were tea at Chateau Frontera, Alexander Graham Bell's home, and the Saguenay Fjord."

August Leo Pugh (B.S., 1952) is retired and living in Galena Park, Texas, and writes, "Leo reports in from Houston, Texas, where he is enjoying retirement. Doing some flower planting and babysitting with 3 grandchildren. Sends hellos to all his old friends from the old Geology Building."

Cathy Rashin (B.S., 1979) is an herbalist and owner of Earth Current Garden in Red Rock, Texas, and writes, "Since 1999 I have primarily been focusing on my business, Earth Current Garden. I am now an Herbalist and Flower Essence Practitioner. Love those plants!"

Donald F. Reaser (Ph.D., 1974) is a Professor of Geology at The University of Texas at Arlington in Arlington, Texas, and writes, "I will be retiring on August 31, 2003, from UT-Arlington

after 38 years of graduate and undergraduate teaching and the University. In spring 2002, I was one of two recipients of 2001-02 Outstanding Teacher Award in the UTA College of Science. Recently published a book on the *Geology of the Dallas-Fort Worth Metroplex*."

Stephanie Wise Reed (B.S., 2000) is a Hydrologist and Engineering Specialist with the Surface Mining and Reclamation Department of the Railroad Commission of Texas in Austin, Texas, and can be reached at stephanie.reed@rrc.state.tx.us or via her work website www.rrc.state.tx.us.

Jeff Reid (M.A., 1973) is a senior geologist with the North Carolina Geological Survey in Raleigh, North Carolina, and can be reached at rksrus@aol.com.

W. F. Reynolds (M.A., 1953) is Managing Partner in J. C. & W. F. Reynolds Oil Producers in Wichita Falls, Texas. He is a member of the Geology Foundation Advisory Council.

James V. "Jim" Richards (B.S., 1956) is a consulting geologist in Houston, Texas, and writes "hope to have three prospects drilled this year. Still active also as a consulting geologist for Genesis Producing Co. in Houston. Traveled to Greece, Egypt, and Hawaii last year. Still enjoying playing in the Longhorn Alumni Band, served as M.C. for my 50-year high school reunion in El Paso." Jim can be reached at jr1934@aol.com.

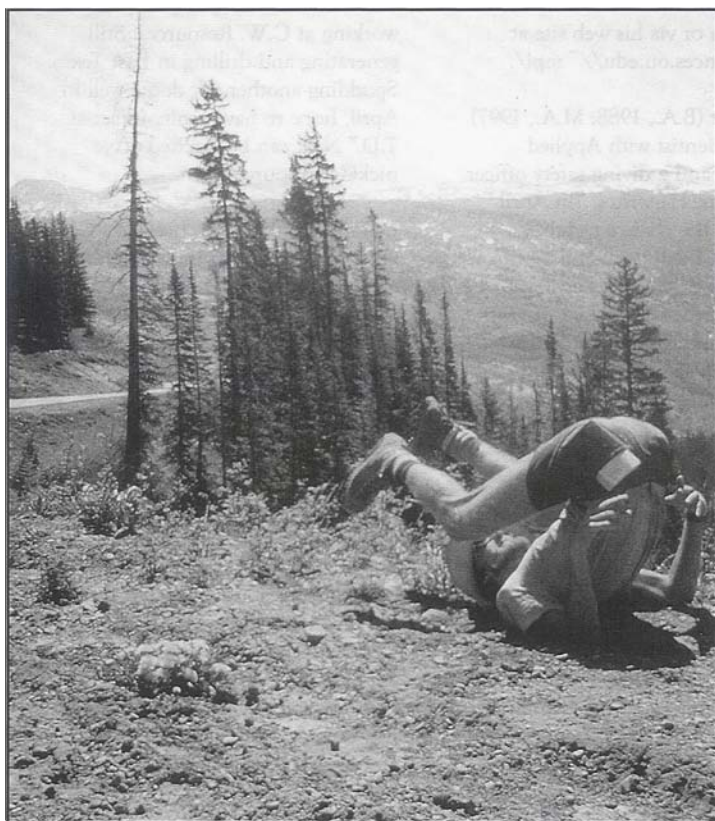
R. Cory Richards (B.S., 1985) is the President of Cortez Oil and Gas, Inc. in Plano, Texas, and writes "promoted to President of Cortez in 2002. Family happy in Plano, a wonderful place to live. Always looking for good drilling prospects." Cory can be reached at crichards@cortezoilandgas.com.

H. G. "Gene" Richardson (B.S., 1958) is retired and living in San Antonio, Texas, and writes "still kicking rocks from Central to West Texas, never know what interesting things you will turn up!" Gene can be reached at generich1@worldnet.att.net.

Wade C. Ridley (B.S., 1953; M.A., 1955) is an independent geologist in Tyler, Texas, and can be reached at cridley@cox-internet.com. Wade writes that he is "just keeping body and soul together, enjoying grandkids and watching Longhorn teams. Just 'chillin'."

Edwin C. Robinson (B.S., 1950) is retired and living in Carlsbad, California, and writes "plenty to do with keeping up with 6 children, 13 grandchildren, genealogy research, and golf!" Edwin can be reached at ecrob780@cs.com.

Ron S. Robinson (B.S., 1958) is the Owner of Coldwell Banker Robinson Real Estate in El Dorado, Arkansas, and writes, "I walked the '40' acres 2/24/03, the day before Austin's great ice storm. Visited the geological building, saw the progress that the John Jackson gift has wrought. Highlight of the visit was a chance to visit with some undergrads. In a word? Sharp-sharp-sharp. For 'old times sake,' sat in on a lecture, 'The Future is Now.'" Ron can be reached at ron@robinsonrealestate.net or via www.robinsonrealestate.net.



Mike Moore (B.S., 1980) gains perspective on thrust faulting. 1980 GEO 660, Colorado.
PHOTOGRAPH PROVIDED BY MICHAEL MILLER.

William B. Rodan (B.S., 1942) is retired and living in Metairie, Louisiana, and writes "trying to survive – should not have retired but the oil business has been declining in Southern Louisiana."

Peter R. Rose (B.S., 1957; M.A., 1959; Ph.D., 1968) sends us a story about "Hollers" – Musical Traditions in UT Geoscience, 1955 – 1970:

I guess it was Don Winston who coined the term "Holler" – actually they were a combination musical stampede and weekend blowout. At first, attendance was limited to grad students and upper classmen who could pick and/or sing, and who also enjoyed an occasional social blast. Later on, a few courageous or unconventional faculty began showing up, even going so far as to sponsor periodic "hollers." That had to be a considered and infrequent undertaking, because cleaning up afterwards was an all-day job that no sane faculty wife should have had to get up for.

A certain semi-official cachet was bestowed in 1956 when Sam Ellison asked the main ringleaders to perform at an annual dinner of the Advisory Council. In retrospect, I don't know who was more shocked – the conservative, prosperous, and respectable folks of the AC, or the "Holler Band," at our chutzpa! Sam just beamed; maybe that was because we left him speechless. By the time I finally departed UT for the second time, in the summer of 1968, hollers had become almost institutionalized (and certainly more sanitized), and musical take-offs had become the backbone of the "Final Bedlam," the annual concluding event even in Professor DeFord's Graduate Seminar.

The hard-core participants during the formative years were Winston and his officemate, Dick Grant, who together occupied a series of marginal rent-houses in the more disreputable neighborhoods of north and south Austin, where they frequently generated and bottled cases of fairly mediocre home-brewed beer. A lot of those bottling sessions just naturally developed into hollers. Other grad students who joined in included Page Twiss, and enthusiastic singers such as Charley Mankin, Jim Underwood, and Dave Amsbury. At first, there were also a few hangers-on who came just to marvel, sing, and drink along. My first holler was in 1955 – even though just an

upperclassman, I was included because I was the only one who came from a family of genuine (if marginally talented) country musicians. After 1957, Tom Freeman was a regular, playing banjo ("banjer") and singing his deep-rooted Ozark country songs. A lot of grad students and faculty had Eastern cultural roots; they thought our music was rustic, ethnic, or socially significant. Tom and I were just singing our native stuff. Winston and Grant didn't discriminate – they just joined in to whatever was going down. So did neighborhood dogs and awakened children.

Our first faculty regular was Bob Folk, who came to play banjo and sing, not to drink. His favorite was Kitty Wells, and we could all look forward to Bob getting choked up at least once a night, in the middle of one of his tragic Kitty Wells numbers. Later on, John Snyder took part, singing so intensely his face would turn purple and break out in beads of sweat, and we were all afraid he was going to have a stroke.

The original "holler band" that played for the Advisory Council included Winston (guitar), Grant (mandolin), Twiss (tub-bass), Folk (banjo), and Rose (guitar and harmonica). I don't recall now what tunes we played – three or four fast-moving country songs, delivered with enthusiastic but undisciplined harmony and overpower rhythm. But we concluded with Merle Travis' "Down in the Mine," a Kentucky coal-mining ballad. Each chorus ended with a mournful, high-pitched, sustained "way down in.....the mine." The structure of the chorus naturally lent itself to a sequenced, tiered-harmony conclusion, building on the three main tones of the subdominant chord, then yielding finally to an ending tonic chord. On the final chorus, we learned to string this out, and bring in a final fourth high tenor voice a full octave above the initial-tier baritone. That high voice was always Bob Folk's; as a concluding act, it never failed to bring the house down.

Grant left for the National Museum around 1958. Page and Charley and Jim had departed for Kansas and Oklahoma about a year earlier. I joined Shell in mid-year 1959. As far as I know, Winston continued to sponsor "hollers" until he finally left Austin for Missoula in about 1963.

When I came back in February 1966 to work on a Ph.D., the focus of grad school music had shifted from weekend blasts to less rambunctious get-togethers. But capable guitar-pickers, such as Jim Stitt and Will Reid, were always ready to holler, and they were kind to welcome an older, but kindred spirit like me back into the fold. Things were a bit more civilized now, and only a little less lively. However, reworked lyrics set to well-known melodies, taking off on prominent departmental events and susceptible faculty personalities, now became the framework of Final Bedlam. Charley Bell was a favorite target, as was Mr. DeFord. Most of the newer and younger faculty just remained puzzled about the whole thing. But in any case, "Down in the Mine" continued as our favorite anthem.

When Bob Folk elected to retire in 1989, we got the old holler band together again in San Antonio: Don, Dick, Page, myself – and, of course, Bob Folk. We played several of our old numbers for the new crowd of grad students and faculty who had gathered to honor Bob. But it wasn't the same – they didn't identify with our rough harmonies and undisciplined rhythms – we were playing to a different and uncomprehending generation. And maybe we needed more practice.

A lot of those old pickers and singers – and their sponsors – are gone now: Dick Grant, Dave Amsbury, Charley Bell, Ronald DeFord, Sam Ellison, Jim Stitt, and Will Reid, God rest their souls. But every once in a while, a few of the old hard-core UT hollers will get together, roll into "Down in the Mine," and I can feel the spirits of those departed joining in, then collapsing in laughter as Bob Folk or his substitute adds that unforgettable fourth-tier, high tenor part to the final chorus.

Lucy O. Ross (B.S., 1950) is the President of Deltex Royalty and LMA Royalties, Limited, in Colorado Springs, Colorado.

Rollins M. Roth (B.S., 1958) is a Production Foreman in Breckenridge, Texas, and lets us know that he is "still working full time – no plans to retire."

Peter D. Rowley (Ph.D., 1968) is a geological consultant in New Harmony, Utah, and writes, "I am still busy with my new business, Geologic Mapping, Inc. Mostly mapping quadrangles for

state geological surveys, studying groundwater resources for water districts, etc. Living in scenic rural Utah with my wife, lots of horses, dogs, and cats."

Evan Amy Royal (B.A., 2002) is an Accounting Clerk with the Texas Memorial Museum at The University of Texas at Austin in Austin, Texas, and reminds us "don't forget all the big changes going on at the Texas Memorial Museum." Evan can be reached at evanroyal@mail.utexas.edu or via the website www.texasmemorialmuseum.org.

Mary Dalton Ruckman (B.A., 1936; M.A., 1938) is a housewife in Karnes City, Texas.

Jimmie Norton Russell (B.A., 1952; M.A., 1954) is an Education Assistant III in Austin, Texas, and writes "continuing, ninth year, in public school education; teaching emotionally disturbed middle and high school students in the Round Rock, Texas, Independent School District."

Floyd Sabins (B.S., 1952) is retired and living in Fullerton, California, and writes, "Volunteer work occupies increasing amounts of time. I am President of Fullerton Public Library Foundation and a Director of our Homeowner Association and Orange County Fly Fisher Club. I do manage fly fishing trips to Alaska and the Caribbean." Floyd can be reached at ffsabins@adelphia.net.

Philip K. Sampler (B.S., 1951) is retired and living in Richardson, Texas, and writes, "If you can believe it, I have gone back to school. We have an Emeritus program at Richland College here in Dallas and I am taking several computer courses to bone up on computer skills. At 74 years young, it is surprising that the old brain can still function to a certain degree! Not only have I started back, so has my wife Luci. She never did get to finish her degree, so she has gone back to Richland and plans to transfer to UTD when she finishes there. She is a member of Alpha Alpha Xi, Phi Theta Kappa, and has a GP average of 4.0. That's a heck of a deal for a 71-year-old! Have a great life everyone! It is hard to believe it has been 52 years since I left the old campus." Philip may be reached at psampler@hotmail.com.

Jack S. Sanders (B.S., 1957) is retired and living in Dallas, Texas, and writes, "still staying vertical and enjoying traveling. Passing outcrops and landforms are a never-ending source of interest (old ones and new ones)." Jack may be reached at jacklind2@juno.com.

James W. Sansom, Jr. (B.S., 1963) is a consulting geologist in Liberty Hill, Texas. James writes, "GCAGS and AEG/AIPG meetings in 2002 were enjoyable. Seeing old friends at these meetings was a bonus. Texas Board of Professional Geoscientists is receiving applications for licensing geologists, geophysicists, and soil scientists. I encourage geologists to apply before grandfather period ends 8/31/03."

Will M. Satterfield (B.S., 1985; M.A., 1988) is a geologist with Occidental Petroleum of Qatar in Houston, Texas, and can be reached at wsatterfield@oxt.com.

Elsie C. Schiemenz (B.A., 1943) is retired and living in Mobile, Alabama, and writes "still traveling and still enjoying it!" Elsie can be reached at schz1921@yahoo.com.

George W. Schneider, Jr. (B.S., 1958) is retired and living in Madisonville, Louisiana, and writes "enjoying 'Northshore life' and returning to Austin in the spring for track meets and the fall for football games."

Louis Schneider (B.S., 1960) is the Vice President of Edison Chouest Offshore in Houston, Texas, and can be reached at lislr@aol.com.

Tom Schneider (B.S., 1950; M.A., 1951) is a consultant in Midland, Texas, and writes "enjoying life and helping my son learn the business." Tom can be reached at topat5@aol.com.

Paul E. Schnurr (M.A., 1955) is retired and living in Concord, California, and writes, "Time marches on. I recognize a few of the Professors Emeriti in the Department *Newsletter* and some of the old classmates, but they are becoming fewer every year. Wonderful of the Jacksons to donate the new building."

Milt Scholl (B.S., 1947; M.A., 1948) is retired and living in Chula Vista,

California, and writes, "We are enjoying good health and life near San Diego with grandkids near. Also trips to the northwest to visit the rest of the family." Milt may be reached at mrscv@aol.com.

Ted Schulenberg (M.A., 1958) is retired and living in Kerrville, Texas, and writes, "I have rather reluctantly concluded that the next noteworthy item relating to my activities will be that of my demise. It gives me considerable pleasure to report therefore that I have no news to report." Ted can be reached at schulen@kctc.com.

Frederick E. Schultz (B.S., 1947) is retired and living in Ojai, California, and writes "living in the home my wife, Lois, designed and built in the Ojai Valley. Belong to the Senior Men's Golf Club at Soule Park in Ojai, and the Retired Professional and Business Men's Club."

Rubin A. Schultz, Jr. (B.S., 1961) is a District Maintenance Manager with the Texas Department of Transportation in Corpus Christi, Texas, and can be reached at rubin.schultz@worldnet.att.net. Rubin writes, "not a lot new, still working with TxDOT in Corpus Christi and enjoying grandkids and trips to Maui, Hawaii. Enjoy the *Newsletter*."

Donald Schuy (B.A., 1996) is living in Cincinnati, Ohio.

Jerry Schwartzbach (B.A., 1983) is the Medical Director of the East Texas Medical Center Rehabilitation Hospital in Tyler, Texas, and writes "going to the Galapagos Islands, Ecuador, and Machu Picchu, Peru. Obtained my airplane instrument rating in 2002. Raising 4 children with my wife of 15 years." Jerry can be reached at jerrys@myexcel.com or via his web site, www.orthopedicspecialists.com.

Christy M. Schweikhardt (B.S., 1983) is In-House Counsel for H.C.C. Insurance Holding, Inc. in Houston, Texas, and writes, "Job change last year. I left the law firm and enjoy the life of in-house counsel." Christy can be reached at cschweikhardt@houston.rr.com.

Eugene Patrick Scott (B.S., 1957) is a petroleum geologist in Corpus Christi, Texas.

George Sealy (M.A., 1953) is a Managing Partner of Sealy Land Company in Houston, Texas. He writes, "Long retired from Exxon. Active on UT Medical Branch Development Board. Am a director of Sealy and Smith Foundation in Galveston, which actively supports UTMB and the John Sealy Hospital. Looking forward to visiting the campus soon to see the Jackson Geological Sciences Building."

Kenneth O. Seewald (attended 1961) is an independent geologist in Denver, Colorado and writes, "Mary and I are digging out from the blizzard of '03 that dumped the heaviest snowfall on Denver since 1913. Hope to see you at the AAPG Convention in Salt Lake City." Kenneth can be reached at seewa2@aol.com.

Greg Sengelmann (B.S., 1982) is a Senior Hydrogeologist with AES Regulatory Services in Austin, Texas.

George B. Sewell (B.S., 1954) is retired and living in Denver, Colorado, and writes "still sailing, traveling and remembering the big ones that got away."

William W. "Bill" Sharp (B.S., 1950; M.A., 1951) is a consultant and investor in Dallas, Texas.

F. Carlton Sheffield (B.S., 1963) is retired and living in Magnolia, Texas, and writes, "Still enjoying our retirement and RVing. We should be traveling through Utah and hopefully attending the AAPG in Salt Lake City. See you all there."

Steve Shelburne (B.S., 1985) is living in Austin, Texas, and writes, "We have been busy caring for our new 9-month-old twins, Derek and Sophia. They have already been camping with us and cycling with us (via a trailer) in the Davis Mountains." Steve can be reached at steveshelburne@msn.com.

Gay (B.A., 1957) and **Jerry** (B.S., 1957) **Shelby** are intentionally unemployed and living in Amarillo, Texas. Jerry writes, "Gay and I are enjoying being intentionally unemployed with all the benefits associated with that position. Wishing all of you well!"

William K. Sheldon (B.A., 1948) is retired and living in San Antonio,

Texas, and writes, "Now have seven grandchildren. The latest is one year and red-headed and a true doll."

William T. "Bill" Sherman (B.S., 1951) is self-employed and living in Houston, Texas.

Elgean C. Shield (B.S., 1953) is the President of Shield Development Corporation in Cold Spring, Texas, and writes "still living on Lake Livingston near Houston and looking for the oil business. Where did it go?" Elgean can be reached at ecshield@eastex.net.

Samuel J. Sims (M.A., 1957) is a consulting geologist in Bethlehem, Pennsylvania, and can be reached at s768@aol.com. Samuel writes, "Nothing new to report here. I continue doing consulting work in the commercial and chemical stone industry and think about retiring sometime."

Sam Singer (B.S., 1961) is a Senior Petroleum Engineer with Sproule Associates Inc. in Houston, Texas. Sam writes "continuing to consult. The oil patch gets smaller every day."

David W. Sipperly (M.A., 1967) is a Vice President and Land Manager with Fender Exploration and Production Company in Tyler, Texas, and writes, "I have relocated from Saratoga Springs, NY, to Sour Lake, TX, via Denver over the past three years. My wife, Judy, and I now live close to her mom and dad. A pleasure for both of us. I am pleased to be working with a strong technical geological team, at Fender Exploration and Production Co., exploring for oil and gas in East Texas and on the Gulf Coast. My training in geology and law at UT has served me well wherever I have chosen to live." David can be reached at dsipperly@cox-internet.com.

William P. Slater (B.A., 1950) is an independent geologist in Canyon Lake, Texas, and writes, "Starting over after getting eagle eyes via cataract removals. Even West Texas exploration prospects look better."

Marriott Wieckhoff Smart (B.S., 1957) is retired and living in Centennial, Colorado, and writes, "We continue

to enjoy our travels. Last year we visited Germany twice. I studied German for about three years so could communicate a little. In April 2003 we toured Costa Rica. It was a fantastic trip. The volcanoes were in the clouds, but we saw rainforests with many birds, flowers, and exotic creatures. John continues to work part time. He likes to stay in touch with the oil business." Marriott can be reached at marriott@ix.netcom.com.

Tommy T. Smiley (B.S., 1951) is retired and living in San Antonio, Texas, and writes "stay busy until April 15th doing income tax. After that we do some traveling."

Charles Smith (B.S., 1978) is a Senior Geologist with Intera Inc. in Austin, Texas, and can be reached at csmith@interacom.com.

Charles E. Smith (B.S., 1954) lives in Dallas, Texas, and writes, "This fall I went to Washington, D.C., for a Republican Senatorial dinner. While there I visited my grandfather's manor house near Frederick, Maryland. On orders of Abraham Lincoln in 1864, General Meade relieved General Hooker on my grandfather's front porch and marched on to win the battle of Gettysburg and the Civil War."

Corbin Smith (B.A., 1993) is an Environmental Coordinator for Citgo Refining and Chemical Company in Corpus Christi, Texas, and writes, "I hope the other two geologists that I graduated with are doing good (Nick Hazel and Darcy Brooks). For the past two years I have worked for Citgo Refining and Chemical Company in Corpus Christi...not anything below grade - everything I do is up-in-the-air." Corbin can be reached at corbin_smith@yahoo.com.

Dan L. Smith (B.S., 1958) is the Executive Vice President of Exploration for Sandalwood Oil and Gas, Inc. in Houston, Texas, and writes, "I continue with my exploration program with Sandalwood Oil and Gas, Inc. I am having great fun as president of the American Association of Petroleum Geologists (AAPG)." He is a new member of the Geology Foundation Advisory Council.

Edwin L. Smith (B.S., 1951) is an independent geologist in Wichita Falls, Texas, and writes "have been in oil and gas exploration over 50 years. Have two children and five grandchildren. Enjoy keeping up with old classmates, football team, and UT news."

Harry L. Smith (B.S., 1951; M.A., 1956) is retired and living in Boerne, Texas, and writes, "My daughter is now Editor of the *Blanco County News* and will soon be a year in that position. My son and his wife live in Houston along with their 3-year-old son. They have recently moved into a new home." Harry can be reached at yrarah@gvtc.com

Paul K. Smith (B.S., 1984) is a yoga and fitness instructor with Lake Austin Spa Resort in Austin, Texas. Paul can be reached at bluegeckoyoga@cs.com or via <http://hometown.aol.com/bluegeckoyoga>.

Traci Trauba Smith (B.S., 1985) is the Office Manager for Birdsong Real Estate in Lake Jackson, Texas, and can be reached at trackeye@swbell.net.

Brian Smyth (B.S., 1976) is a partner in Northwind Exploration in Houston, Texas.

Fred C. Smyth (B.S., 1947) is living in Dallas, Texas.

Fred Snyder (B.S., 1982) is the Owner of Manana Export in Jalisco, Mexico, and writes, "After 8 years we are still enjoying the many challenges of owning and running a business in Mexico. Meg and I made the decision to quit our day-jobs to come down here and raise our kids (Branham, 12, and Miranda, 8) in a different environment and to be bilingual and bi-cultural. It has been an interesting experience which we plan to continue for a couple more years. Open invitation to any and all of our old friends to come visit us here in our small town at 7500 feet in the Sierra Madre. We've got plenty of room for guests – and as they say 'mi casa es su casa'." Fred may be reached at padrefrs@aol.com or via his web site at www.mananaexport.com.

John Soderman (B.S., 1985) is with Business Development with ChevronTexaco in Houston, Texas, and

writes, "2002 brought the birth of our son, Carter Price. Looking forward at fuel cells and fuel processing these days at ChevronTexaco. I would love to chat with old Geo buddies. Jeremy, where are you?" John can be reached at johnsoderman@chevrontexaco.com.

Debra Hurry Sonnier (M.A., 1985) is a small business owner in Houston, Texas, and can be reached at debbie@sonnier3.com.

Steve Speer (M.A., 1983) is a General Partner with Speerex/Genesis Ltd. in Roswell, New Mexico, and can be reached at speerex@msn.com. Steve writes, "The Lord has blessed the previous couple of years in many ways and now I will be exploring for O & G in Southeastern New Mexico and other areas while watching modern processes in Charleston, South Carolina. We are moving in the summer of 2003 but will continue doing the same old thing via the internet, cell phones, etc. The advances in communication ability are amazing!"

William M. Spindler (M.A., 1977) is a Geophysicist with Gulf of Mexico Exploration for ExxonMobil Exploration Co. in Houston, Texas.

Sam Renick Stanard (attended 1951) is retired and living in San Antonio, Texas.

Theodore Stanzel (B.S., 1956) is the President of Victor Stanzel Co. in Schulenburg, Texas, and writes, "staying involved in daily affairs of Victor Stanzel Co. toy manufacturing business and charitable and educational activities of the Stanzel Family Foundation, Inc." Theodore can be reached at tedstanz@fais.net.

Colleen Stapleton (M.A., 1991) is living in Decatur, Georgia.

Frederick L. Stead (M.A., 1950) is semi-retired and living in Addison, Texas, and writes "still active in natural gas exploration in the northeastern U.S. Great gas prices and market." Frederick can be reached at flstead@netzero.net.

Theodore R. Steinke (M.A., 1996) is a geologist with Resource Solutions, L.L.C. in Denver, Colorado, and can be reached at junksteinke@attbi.com.

He writes, "I got married in October to Lee Delattre, who was a geologist with me at Texaco."

Burgess Stengl (B.S., 1985) is the East Texas Environmental Manager with Olympic Waste in Tyler, Texas, and writes, "Last year was very busy for me as I switched in June 2002 from Schaumburg & Polk Consulting Engineers to Olympic Waste, a subsidiary of Allied Waste. Allied owns Olympic Waste, BFI, Trinity Waste, and others across the country. I am the environmental manager for four East Texas landfills, 2 northern Louisiana landfills, and five hauling companies. All of my sites are within two hours of home (still in Tyler), so I make many day trips. My cell phone has become a valuable tool while traveling. My duties include creating budgets for cell construction as well as all compliance issues at each site. I oversee landfill construction projects and try to keep all the sites in compliance with State and Federal rules and regulations. This is especially interesting at my two Louisiana landfills. In all I am having a great time and keeping very busy! The family is still alive and well. Angela will be finishing her second year teaching second grade at Owens Elementary in Tyler in June 2003. Shara graduated from UT Austin in August 2002, and is teaching fourth grade at Becker Elementary in the Manor ISD (just outside Austin). Susan is a varsity cheerleader at Whitehouse High School (just outside Tyler) and will be driving by the time you read this, so watch out East Texas! She's adjusting to the smaller town, but still misses Austin. She plans to go to UT when she graduates. Kyle turns 5 in August and will be attending kindergarten at Owens Elementary with Mom in the fall. We love East Texas – the dogwood trees are in bloom as are the azaleas. Spring is a great time, except for the pine pollen. We seem to keep getting wetter and more humid as we move: Midland, Austin, Tyler. If you are ever in the area, look us up. My office is in Kilgore, and I travel from Shreveport to Mount Pleasant every week. My email is burgess.stengl@awin.com. Take care and have a good year!"

William Thomas Stokes, Jr. (B.S., 1950) is retired and living in Dallas, Texas, and writes, "I have enjoyed very much being on the Advisory Council of the College

of Natural Sciences and on the Geology Foundation with Bill Fisher." He is a member of the Geology Foundation Advisory Council.

Winston L. "Skip" Stokes (B.S., 1957) is retired and living in The Woodlands, Texas, and writes "fully retired now! Kathryn and I are excited about our trip to London and Paris with a side cruise to Rome, Spain, Portugal, and Morocco. Six grandchildren also keep us going."

Mike Stowbridge (B.S., 1982) is a geologist with Geosite, Inc. in San Angelo, Texas, and writes, "I was moved and inspired reading Julie Bonner's letter in the last *Newsletter*. I'm pretty beat up too, but nothing like that. You are the best of us all, Julie."

Robert E. Stowers, II (B.A., 1986) is an Environmental Compliance Coordinator in Houston, Texas, and writes "just finished relocating 59 pipelines beneath the Houston Ship Channel in preparation of its widening and deepening. Still in Spring, Texas." Robert can be reached at rstowers@houston.rr.com.

John L. Stripling (B.A., 1940) is retired and living in Fort Worth, Texas, and writes, "Marjorie and I are still 'exploring' the Gulf Coastal Region about twice a year - mostly hunting for fish and shells. Still love receiving the geology *Newsletter* to see what's current."

Christopher Swezey (M.A., 1991; Ph.D., 1997) is a Research Geologist with the U.S. Geological Survey in Reston, Virginia, and can be reached at cswezey@usgs.gov.

Dennis A. Sylvia (Ph.D., 2002) is a Land Management Planner with the U.S. Forest Service in Thorne Bay, Alaska, and can be reached at dennissylvia@fs.fed.us.

Christina Massell Symons (M.A., 1997) is a post doc with the Institute for Geophysics at UT-Austin in Austin, Texas, and can be reached at chris@utig.utexas.edu. She writes, "I finished my Ph.D. at Scripps Institution of Oceanography in the fall of 2002, married Lt. Tim Symons in November, and now split time between Austin and Chesapeake, Virginia."

Dick Teel (B.S., 1941) is a geological systems consultant with IHS Energy in Houston, Texas, and writes, "still working and enjoy work. Still hunt - bear in Canada and South Africa last year, Canada again this year in May." Dick can be reached at dickteel@ihsenergy.com or via the web site www.ihsenergy.com.

Eilene Theilig (B.S., 1976) is the Galileo Project Manager with Jet Propulsion Laboratory in Pasadena, California, and writes, "It's been another challenging year as the Galileo spacecraft flew deeper into Jupiter's magnetosphere than it had ever been before. The mission is winding down after a 13-year odyssey and will end when the spacecraft impacts Jupiter in September. What a trip it's been." Eilene can be reached at etheilig@earthlink.net.

Eric Elon Thompson, Jr. (B.S., 1950) is a consulting geologist in Billings, Montana.

Karen Bergeron Thompson (B.S., 1992) is a self-employed conference planner and stay-at-home mom in Helena, Montana, and can be reached at mtntrio@earthlink.net.

T. J. Thompson (B.S., 1957) is the Owner of Toro Exploration Company in Rockwall, Texas, and writes, "Thanks for your great job with the *Newsletter* - keep up the good work!"

William E. Tipton (B.S., 1949; M.A., 1951) is retired and living in Ridgeway, Colorado, and writes, "Being an octogenarian is great as long as there's enough bailing wire to hold the old bod together - no complaints! My new hobby is garden railroading! Sort of restricted to inside efforts with winter snow here. Still painting good - prices not so good!" William can be reached at tipton@montrose.net or via his web site, www.billtipton.com.

David N. Tolces (B.S., 1985) is an attorney at Goren, Cherof, Doody and Ezrol, P.A. in Fort Lauderdale, Florida, and writes, "Happily married for 7 years in June. We have two children, Rachel (4) and Ryan (1). I ache for some good TexMex and Longhorn spirit!" David can be reached at dtolces@cityatty.com.

Joe Tondou (M.A., 1976) is the President of Tondou Corporation in Houston, Texas, and can be reached at joe@tonducorp.com or via his web site, www.tonducorp.com.

Everette J. Travis (M.A., 1951) is retired and living in Buchanan Dam, Texas, and writes "have found the perfect place to live - Lake Buchanan in Llano County - and am spending most of my days enjoying it!"

Arthur J. "Art" Tschoepe (B.S., 1951) is an independent geologist and oil operator in Leakey, Texas, and writes "working and enjoying my wonderful family. I was the President of the Leakey Lions Club in 2002-03."

James J. "Jeff" Tucker (B.S., 1948) is retired and living in Ridgeland, Mississippi.

John D. Tuohy (B.S., 1939) is retired and living in Canyon Lake, Texas, and writes "retired happily in the Hill Country. Keep up with the industry's foreign operations, where I spent all my oil field time, through son Thomas who is with BP-Amoco in Algeria. Don't see much of the other 39ers in the *Newsletter* - are the others getting old?"

Neil L. Turner (Ph.D., 1970) is a Consulting Petroleum Geologist in Fulshear, Texas, and writes "continuing to work on carbonate reservoirs, now concentrating on some specific basins."

James R. Underwood, Jr. (B.S., 1948; M.A., 1956; Ph.D., 1962) is a Professor Emeritus at Kansas State University and living in Austin, Texas. He writes, "Margaret Ann and I greatly enjoy the stimulating environment Austin affords, and most importantly, the joys of living close to our three daughters and their families (two in Plano and one in Austin), including 5 grandchildren. Mars continues to dominate my professional activities." James can be reached at jrujr@flash.net.

Charles B. Upton (B.A., 1957) is retired and living in San Antonio, Texas, and can be reached at cupton@satx.rr.com. Charles writes, "I keep being amazed at how much the local geology affects the flora and fauna."

Jean-Paul Van Gestel (Ph.D., 2000) is a Geophysicist with bp in Houston, Texas, and writes, "I am currently working on Brazil deepwater exploration and enjoying that a lot. For more personal information, please check www.vangestel.com." Jean-Paul may also be reached at jpgestel@yahoo.com.

Joe Vaughan (B.A., 1954) does oil and gas exploration for Energy Production Corporation in Dallas, Texas, and writes "sure is a lot harder to find hydrocarbons today compared to 1956 when I started. RRC records show wells drilled and completed as Texas onshore gas wells averaged 6.5 BCF gas recovery; for wells drilled in 2000 the average is 1 BCF recovery."

Van N. Veenstra (B.S., 1974) is the Operations Geology Manager for ExxonMobil in Houston, Texas, and can be reached at van.n.veenstra@exxonmobil.com. Van writes, "not much change - still in Houston, still involved with ExxonMobil's drilling operations around the globe."

Mark Ver Hoeve (M.A., 1982) is an Exploration Manager, International, for EOG Resources in Houston, Texas.

Charles Vertrees, Jr. (B.S., 1951) is retired and living in Dallas, Texas, and writes "still in Dallas - youngest daughter now in Montana but plenty of babysitting with grandkids of oldest daughter. Nancy had knee replacement but will be playing golf again soon."

Harry A. Vest (M.A., 1959) is retired and living in Houston, Texas, and writes "nothing new here, still go to home football games." Harry can be reached at harryvest@aol.com.

R. B. Vickers (B.S., 1947) is retired and living in Abilene, Texas, and writes, "Time speeds on, no changes for me."

A. H. "Al" Wadsworth, Jr. (B.S., 1941; M.A., 1941) is a consulting geologist in Houston, Texas, and writes, "After 62 years I am still at it. Not quite as busy but still working. We appreciate old classmate John Jackson's great contribution. He will make UT #1 in geosciences."

Tom Waggoner (B.A., 1957) is semi-retired and living in Spicewood, Texas, and writes "enjoying the 'golden years' - spend summers in Montana and winters in Spicewood. Best regards to all."

Frank "Trey" Wagner (B.S., 1996) is a Ph.D. Candidate at the University of Arizona in Tucson, Arizona, and writes "still working on my Ph.D. here in Tucson. Saw some of my old profs from UT last fall at GSA and AGU." Trey can be reached at fwagner@geo.arizona.edu.

J. Dudgeon Walker, Jr. (B.S., 1951; M.A., 1951) is retired and living in Houston, Texas, and writes, "Things are the same as last year! Which is good. Living in Houston, Texas. Trying to stay as active as possible, indoors and outdoors, but am slowing down. Wife Shirley, three children, and now 11 grandchildren. Still trying to write down, or record in audio, history and old stories and traditions."

Mark C. Walker (B.A., 1981) is a lawyer in El Paso, Texas, and can be reached at walker@mgmsg.com. Mark writes, "My son, Lee (8) and I are exploring lava flows and maars in Southern New Mexico."

Virgil A. Walston (B.S., 1960) is retired and living in Moulton, Texas.

J. C. "Rusty" Walter, III (B.S., 1980) is the president of Walter Oil and Gas Corporation in Houston, Texas. He is a member of the Geology Foundation Advisory Council.

David Henry Walz (M.A., 1974) is an Assistant Professor of Geology at J. Sargeant Reynolds Community College in Richmond, Virginia, and can be reached at dwalz@jsr.rccs.edu. David writes, "Toddy and I still are teaching. Jonathan is finishing his Ph.D. in African Archaeology at University of Florida and Kris works in the Department of Music at the University of North Carolina at Chapel Hill. Toddy and I enjoy traveling during the summers and canoeing any time we can. PEACE to all."

Bernie Ward (B.A., 1955) lives in Tyler, Texas, and writes "enjoyed receiving Hawaiian letter from Thäis Bullard, and update of the establishment of the Fred M. Bullard Fund for Student Research."

Bill (B.S., 1955; M.A., 1957) and **Kathy** (B.A., 1957) **Ward** are living in Boerne, Texas, where Kathy is a Science Curriculum Specialist at Our Lady of the Lake University in San Antonio, Texas, and Bill is retired from the University of New Orleans. They write, "Kathy is still working on NSF-funded programs for science teacher mentoring. Bill just returned from Spain looking at UK rudist-coral buildups. We both enjoyed lunch with Steve Clabaugh, Jim Underwood, Les White, and Rex White. Really miss field work with Dave Amsbury. Also will miss Bob Goldhammer." Bill and Kathy can be reached at wckaw@aol.com.

Daniel L. Ward (B.A., 1949; M.A., 1950) is retired and living in Grand Junction, Colorado.

Ralph H. Warner (M.A., 1961) is retired and living in Kingwood, Texas, and writes "still trying to maintain stability while living in a world of constant change. Grandchildren mature into young adults as grandparents just become more senior citizens. Best wishes to UT Geology Department."

Karl Warning (B.S., 1971; M.A., 1977) is a website mineral auctioneer in Lucas, Texas, and writes, "Our high school senior daughter, Tracy, has been accepted at UT Austin, U. of North Texas, and has applied to Trinity University. Where will she go? Stay tuned. My passion for minerals has led me from petroleum geology to a new, just starting, career. Wish me luck and check us out." Karl can be reached at warben@dfwair.net or via his web site, www.mineralauctions.com.

L. Coy Warren (B.S., 1948) is retired and writes "retired, but still invest in my stepson's deals. We have been very lucky."

John Allen Watson (B.S., 1956) is retired and living in Austin, Texas, and writes, "Dr. Carl Baugh, director, Creation Evidence Museum, presents the alternate view of geologic theory in his weekly TV program Creation in the 21st Century, Tuesdays, 6:30 pm on Trinity Broadcasting Network. Example: the Biblical precept given by Jeremiah 5:22 establishes that the beaches (basically sand), since the Noahic Flood, have served as a

boundary which the sea water cannot pass. Research has shown that indeed the coastline is slowly straightening, whereas all transgression-regression activity occurred during the Noahic Flood, when enormous tsunamis covered the highest mountains in a great slurry of sediment everywhere."

Joe Watzlavick (B.S., 1941) lives in Bellaire, Texas, and writes "would like to see some old schoolmates. Hi Guys!"

Gerald E. Weber (M.A., 1968) is a self-employed consultant geologist in Santa Cruz, California, and writes "still working part time as a consultant. Teaching part time. Little has changed." Gerald can be reached at jweber@es.ucsc.edu.

Paul Weimer (Ph.D., 1989) is living in Boulder, Colorado, and writes, "I will give the 2004 SEG Distinguished Instructor Short Course titled 'Petroleum Geology of Deep-Water Settings,' 1-day short course in 25 cities, 6 continents."

Charles Weiner (B.A., 1948) is a geologist with Texas Crude in Houston, Texas, and can be reached at chas@texcrude.com. Charles writes, "From Chicago to Kauai the offspring are doing well. Laurel bought a cottage on Galveston Island and to our delight Tevia is expecting #2 McLauren in August. Anita has been reelected Commander of Weiner Force X." He is a member of the Geology Foundation Advisory Council.

Bonnie R. Weise (B.S., 1974; M.A., 1979) is a Senior Explorationist with Venus Exploration, Inc. in San Antonio, Texas, and can be reached at bweise@venusexploration.com.

Leslie White (B.S., 1956) is living in Austin, Texas, and writes, "Boy! Last year went by so fast it makes the *Newsletter* seem like a quarterly. It was brief but good. Dianne and I are well and healthy and the kids and grandkids are doing good. There was a wonderful trip to Solitario with Bill Ward, Dave Amsbury (now deceased), Walt Haenggi, and Bill Muehlberger. And there was one of those extraordinary, reminiscent luncheons with Steve Clabaugh and a handful of his fifties-vintage students. We lingered around the table for a long time savoring

the memories. It was truly a special moment. I saw the addition to the building in March. It was coming along nicely. Congratulations to the faculty, staff, and students. You make us proud."

Rex H. White, Jr. (B.S., 1956; M.A., 1960) is an attorney and counselor at law in Austin, Texas, and writes, "Still in the active practice of oil and gas law, Railroad Commission work, and litigation. Need to retire but did not plan well. Brenda and I have three beautiful grandchildren; 1 grandson, 2 beautiful granddaughters. Hi to Les White, Bill Ward, and Jim Underwood." Rex can be reached at rex@rexwhite.com.

Steve White (B.S., 1978) is self-employed in Tyler, Texas, and writes "still in Tyler and enjoying the temporarily high oil prices." Steve can be reached at swhite@gower.net.

Fred L. Whitney (B.S., 1943) is retired and living in Kerrville, Texas, and writes "now celebrating 60 years since UT graduation and marriage to my dear wife Rachel. Greetings to old classmates and friends."

James C. Whitten (B.S., 1956) is an independent geologist in Midland, Texas, and writes "still semi-active in the oil business and enjoying the fruits of prior labor."

Frederick W. Wiegand, Jr. (B.S., 1969) is the president of Wiegand Consulting in Lockhart, Texas, and can be reached at fred@wiegand.com. Fred writes, "The Wiegand brothers are growing up. Spending time ranching. Working part-time on silver mines near Sabinas Hidalgo, N.L., Mexico. Crawled up the mountain cliffs to see the Caves of Bustamante." You may also contact Fred via his web site at www.geocities.com/fred_wiegand.

Mary Elizabeth Sheldon Wier (B.A., 1943) lives in San Antonio, Texas, and writes, "I have 1 husband, 4 children, 9 grandchildren, and have reached 80. I still go to the wives luncheon of geologists and still see Charles Worrell, Lou Haring, and some others around."

Morris S. Wiginton (B.S., 1959) is retired and living in The Woodlands, Texas, and can be reached at

mowig@msn.com. Morris writes, "staying in pretty good health. Watch a lot of TV news. In touch with children by e-mail, son in Phoenix, daughters in Austin and Cuero, Texas."

Michael A. Wiley (B.S., 1957; M.A., 1963; Ph.D., 1970) is a consultant in Canyon Lake, Texas. Michael writes, "New tricks for old dogs! Now writing environmental remediation software for ArcMap. Talk about a learning curve. Hope to see many old friends at AAPG in SLC. In the area? Call - come by - beer is always cold."

Addison A. Wilkinson (B.S., 1956) is retired and living in Lafayette, Louisiana, and writes, "I got a new hip last fall and everything works well enough now to resume golf. What a relief!" He is a member of the Geology Foundation Advisory Council.

James Richard Williams (B.S., 1950) is retired and living in Ballard, Texas, and writes, "still kicking, but not as high. Quitau and I celebrated 55 years of marriage last February. Three children and eight grandchildren doing fine. Still in Emerald Bay."

Jefferson Williams (B.A., 1988) is the owner of Supersonic Geophysical, L.L.C. in Los Angeles, California, and can be reached at jeff.williams@acousticpulse.com or via his web site, www.acousticpulse.com.

John B. "Jack" Williams (B.S., 1943) is retired and living in Houston, Texas.

Robert R. Williams (B.S., 1954) is retired and living in Dallas, Texas, and writes that he is "enjoying family visits and travel with my wife Robin."

Doug Wilson (B.S., 1980) is the Exploration Manager of the Eastern Gulf of Mexico for Anadarko Petroleum in The Woodlands, Texas, and writes, "Becky is busy with PTO and Girl Scouts. Rachel is playing soccer and violin. I celebrated my 10th year in the fire department by taking an EMT-B class. Finding oil and gas in the deepwater is still... interesting."

Jennifer Wilson (B.S., 1995; M.S., 2001) is a Hydrologist with the U.S. Geological Survey in Austin, Texas,

and writes, "I finally got an office with a window at work! Looking forward to a sampling trip near the Freemont Glacier, Wyoming, this year. I got a house with a wonderful man, Wil. And I'm skating on a roller derby team. We won the league championship last season - Go Hellcats!" Jennifer may be reached via <http://tx.usgs.gov/index.html>.

William Feathergail Wilson (B.S., 1960; M.A., 1962) is the president of Strata Geological Services, Inc. in Bandera, Texas, and writes that he is an "OGCI instructor, mapping Texas Hill Country Cretaceous aquifers, performing water availability studies, working on public water wells, agricultural and science columnist for the *Bandera Review*, semi-retired." William can be reached at featherg@hctc.net.

Irwin T. Winter (B.S., 1953) is retired (but "busy - can't say no!") and living in Fort Worth, Texas, and writes, "After half a century is anyone else out there left from the class of '53? If so, let's hear!" Irwin can be reached at itwinter@waymark.net.

Brad Wolaver (B.S., 1995) is a Hydrogeologist with Geoscience in Claremont, California, and writes, "Climbed Mount Whitney last summer. Living in Pasadena, California, in the shadows of the San Gabriel Mountains. Thinking of moving back to Austin, though! Love to hear from you all." Brad can be reached at brad_wolaver@yahoo.com.

James A. Wollenben (Ph.D., 1966) is the Principal Geologist of Advanced Micromagnetics in Austin, Texas, and writes, "Margarita and I are still in Austin celebrating our 20th year in town. I am still using high-resolution magnetic data to find oil and gas. Give us a call when you are in Austin."

Thomas C. Woodward (Ph.D., 1955) is the Owner of Evergreen Enterprises in Casper, Wyoming, and can be reached at tcwdwr@trib.com. Thomas writes, "I graduated in 1955 with a Ph.D. and

am still going strong. Considering the uncertainty with OPEC, we are seeing a sudden interest in domestic oil production. I have a package of 7 Wyoming oil drilling prospects on the market for anyone interested in finding oil."

Leroy A. Woollett (M.A., 1951) is retired and living in Houston, Texas, and writes, "Many old friends make retirement easier." Leroy can be reached at lwoollett@aol.com.

Dan M. Worrall (Ph.D., 1979) is a Technical Consultant in Regional Geology with Shell International E&P, Inc. in Houston, Texas, and can be reached at dan.worrall@msn.com.

Charles Worrel (B.S., 1951) is the President of Worrel Exploration, Inc. in San Antonio, Texas, and writes, "Hello to all my classmates from the 1947-48 class. Especially the Brady Bunch from the summer of 1947 camp. We should consider another reunion in Austin. Preferably at one of the downtown hotels and include the Bullock Museum." Charles can be reached at cjworrel@att.net.

Gail Fisher Worrell (B.S., 1982) is an Environmental Advisor at ExxonMobil in Austin, Texas, and can be reached at gail.f.worrell@exxonmobil.com. Gail writes, "I am working for ExxonMobil doing environmental compliance and permitting for the downstream. Married to **Danny Worrell** (B.S., 1980) and have two beautiful daughters."

Jesse W. Wright, Jr. (B.S., 1950) is retired and living in San Antonio, Texas, and can be reached at jwwright@airmail.net.

John B. Wright (M.A., 1956) is retired and living in New Orleans, Louisiana.

Phil Wyche (B.S., 1951) is retired and living in Austin, Texas, and serves on the Geology Foundation Advisory Council.

Kirby Wynn (B.S., 1992) is the Studies Chief with the U.S. Geological Survey in Grand Junction, Colorado, and writes

"transferred to Grand Junction with the USGS in 2001. Actually licked on a few rocks for professional reasons this last year. Bess (B.A. 1988, Fine Arts, UT) and I have really enjoyed the small town life, and all that the mountains and western Colorado have to offer." Kirby may be reached at khwynn@usgs.gov.

John C. Yeager (M.A., 1960) is an independent geologist in Lafayette, Louisiana.

William C. Young (B.S., 1961) is retired and living in Hemphill, Texas, and writes "still enjoying traveling, golf, bridge, and fishing." William can be reached at wcy3@netdot.com.

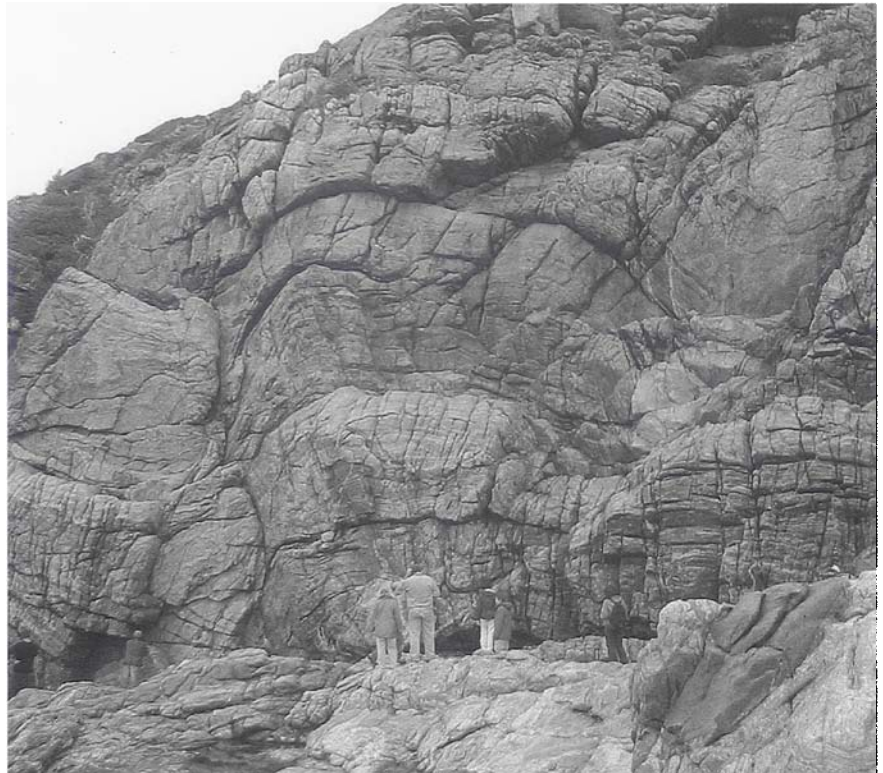
Francis Scott Zimmer (B.S., 1986) is a Senior Public Health Sanitarian with the Oneida County Health Department, Environmental Division, in Utica, New York, and writes, "Hi geo-buddies, all is well, but cold and snowy, here in Central New York. I continue to work for the Oneida County Health Department in the Lead, Nuisance & Indoor Air Programs. The big push for the present is bioterrorism. Melanie is continuing with her puppet performances and storytellings (see the web sites). Our home is finally ours, paid and in the clear! A new member of our household is a dalmation pup named Cuchulain (after an Irish knight of legend and lore). Happy to see the upgrades and addition to the Geology Building. Hope all is well for everyone. Drop me a line sometime!" Francis may be reached at fsz@dreamscape.com or via www.thepuppets.com or www.co.oneida.ny.us/oneidacty/gov/dept/health/envirhealthyprog.htm.

Kevin Zonana (B.S., 1982) is a Technical Writer with Landmark Graphics in Austin, Texas, and can be reached at kzonana@lgc.com.

Join Us

We have under way a grand new enterprise, the Jackson School of Geosciences, which we anticipate will carry the geosciences at The University of Texas at Austin to great heights. We want all our Exes and friends to be a part of this enterprise. Your continuing support and input are important to us. This past year, we received gifts from nearly 300 individuals and 65 groups. We appreciate each and every gift, and we pledge to make the most of your support.

One of the most important parts of the *Newsletter* is the response from Exes. This year, nearly 450 of you responded. This is a historical high, but we hope it will continue to increase.



Large-scale boudins in high-grade gneisses of the Grenville-age Albany-Fraser belt at Bremer Bay, Western Australia.
PHOTOGRAPH BY SHARON MOSHER.

Contributions to the Geology Foundation may be made in the form of cash, bonds, life insurance, gift annuities, and tangible property such as real estate. Many major corporations provide matching funds for contributions made by employees and their spouses. The Foundation staff can assist in the arrangement of the match. For assistance or information, you may contact Mary Koch at (512) 471-6048 or e-mail at mekoch@mail.utexas.edu or me at (512) 471-5600 or e-mail at wfisher@mail.utexas.edu. You may also visit us at our two Web sites, the Department of Geological Sciences at <http://www.geo.utexas.edu> or the Geology Foundation at <http://www.geo.utexas.edu/foundation/>. We appreciate your support.

Bill Fisher, Director

JOHN A. AND KATHERINE G. JACKSON



NATIVE TEXANS, LIFE PARTNERS, EXPLORERS OF THE EARTH, AND PREEMINENT INVESTORS IN THE ENRICHMENT OF THEIR FELLOW HUMAN BEINGS, ESPECIALLY IN THE AREAS OF HEALTH AND EDUCATION.

JACK JACKSON WAS A GEOLOGIST, GIFTED IN EXPLORING FOR OIL AND GAS, A BUSINESSMAN WITH A KEEN INSIGHT OF LAND, AND A KNOWING OBSERVER OF PEOPLE. KATIE JACKSON WAS AN EDUCATOR AND A REGENT, WHO COMBINED GRACE AND POISE WITH THE PRACTICAL ABILITY TO GET THINGS DONE.

THE JOHN A. AND KATHERINE G. JACKSON SCHOOL OF GEOSCIENCES IS A PERMANENT TRIBUTE TO THEIR EXTRAORDINARY SUPPORT OF THE EARTH SCIENCES AT THE UNIVERSITY.

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ALL WHO PASS THROUGH THESE DOORS WILL FOREVER BE IN THEIR DEBT.

"O EARTH, WHAT CHANGES HAST THOU SEEN!" (Alfred, Lord Tennyson)

THE EARTH OFFERS "NO VESTIGE OF A BEGINNING - NO PROSPECT OF AN END." (James Hutton)