

2001 NEWSLETTER



*John A. and Katherine G. Jackson
Geological Sciences Building*

The University of Texas at Austin

**Department of Geological Sciences
and Geology Foundation**

Jackson Building Addition Provides for Expanded State-of-the-Art Instructional and Research Facilities

An extraordinary gift from John A. and Katherine G. Jackson will fund a new 57,000 gross-square-foot addition to the present Geology Building. The new complex, consisting of the current building and the new addition, will be named the John A. and Katherine G. Jackson Geological Sciences Building in honor of the donors.

As a defining element on the East Mall of the main campus, the building addition will have an exterior design that conforms to the traditional guidelines of the Campus Master Plan while gracefully complementing the shellstone cladding on the exterior of the present building (see covers). A bottom story of cut limestone will underlie three stories of brick with window arrangements echoing those found on the present building. The top story will be limestone with large glass windows under a red tile roof. Interior finishes will highlight natural colors and textures: terrazzo flooring and natural limestone and granite will be set into color schemes centered on a variety of earth tones.

Four general-purpose classrooms and three specialized laboratory classrooms will be the focus of instructional activities in the building. The larger general-purpose classrooms all use a tiered or slanted seating arrangement to optimize sight lines to the instructor, and all have been designed to incorporate the latest in instructional technology—dual rear-projection digital display systems. The largest classroom will seat 121 students behind table-like continuous writing surfaces. This will be complemented by a 93-seat presentation room with auditorium-style seating. Two smaller classrooms (47 and 39 seats) with continuous writing surfaces will allow smaller classes to enjoy the same benefits of up-to-date instructional technology. The laboratory classrooms have been designed to allow for maximum flexibility in arranging seating and equipment, facilitating a wide variety of different types of learning methods and activities.

Scholarly activities of the Department will expand into a set of “research clusters,” modular arrangements of offices and workspaces that will allow faculty members and graduate students to be grouped together in proximity to others with overlapping interests and to share computer equipment and other common-use facilities. Office space will be provided for staff of the Bureau of Economic Geology and the Institute for Geophysics while they are involved in teaching activities.

The addition provides nearly 2,000 square feet of expansion space for the Joseph C. Walter, Jr. and Elizabeth C. Walter Geology Library (see related story) and nearly 1,000 square feet of office space to serve as the administrative headquarters of the newly formed Environmental Sciences Institute. A job-placement complex with individual interview rooms will share the top floor with three conference rooms in various sizes and with new offices for the Geology Foundation. A centerpiece of the Geology Foundation space will be a set of large display areas, galleries, and workrooms to house notable personal effects and scientific data from the Jacksons’ collections.

An Editorial from the Austin American-Statesman



JOHN A. JACKSON

PHOTO BY DEBORAH CANNON, *AUSTIN AMERICAN-STATESMAN*

Giving the World

The study of how our planet came to be and what it will be like tomorrow is an increasingly intriguing and urgent discipline.

Wise utilization of earthly resources such as land, water, petroleum, and minerals starts with understanding and scientific training. The conservation ethic needed to preserve the planet for future generations will begin in classrooms and laboratories.

That's one reason to rejoice in the impetus given geology studies by the \$25 million gift of John A. Jackson of Dallas to The University of Texas at Austin. The remarkable gift, the third largest ever received by The University, will establish on the Austin campus a school of geosciences named for Jackson and his late wife, Katherine.

The University's geology department already enjoys national recognition for quality. Also well-regarded are the UT Institute for Geophysics and Bureau of Economic Geology.

With research and fellowships made possible by Jackson's generosity, the new school should contribute significantly to University prestige and evolving knowledge.

In Texas, geology has traditionally been associated with the oil and gas industry. That's where Jackson—petroleum geology, class of 1940—made his fortune. Energy needs will continue to fuel demand for well-trained geologists.

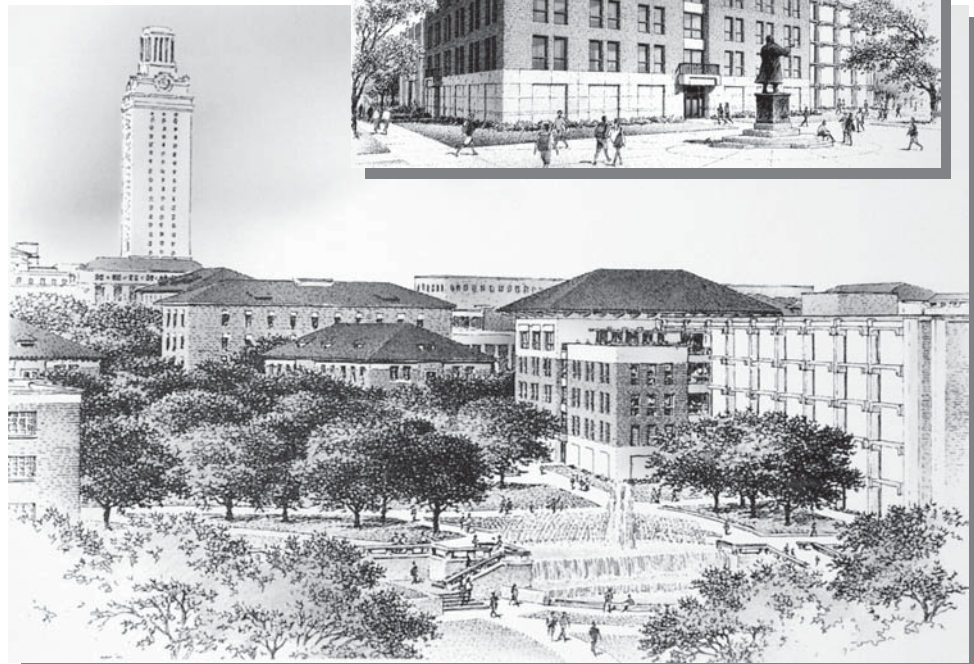
But geologists are also called to confront problems such as climate change and preservation of water resources and to unlock useful secrets of the past. Knowledge of how the Earth was formed, and how it is changing, will guide the future.

The recent gift to endow a new school augments a \$15 million gift for geology studies made last fall by Jackson, 87. It brings UT closer to its goal of \$1 billion in an ongoing capital campaign. And it brings us closer to the promise of a good future for planet Earth.

2001 NEWSLETTER

The University of Texas at Austin

Department of
Geological Sciences
and Geology Foundation



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Front Cover:

Architect's rendition of the John A. and Katherine G. Jackson Geological Sciences Building slated for completion in December 2002. Architects: O'Connell Robertson and Associates/Overland Partners.

Back Cover:

East Mall view of the John A. and Katherine G. Jackson Geological Sciences Building slated for completion in December 2002. Architects: O'Connell Robertson and Associates/Overland Partners.

Photos by Joseph Jaworski except as noted.

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Report from the Chairman

I am pleased to report that the Department is flourishing and poised to begin what we believe to be a most promising and productive era. A spectacular gift from John A. and Katherine G. Jackson will enable a major addition to our building. This addition will add modern classrooms, faculty and student offices, a placement center, conference rooms, and a greater campus presence for the Bureau of Economic Geology (BEG) and Institute for Geophysics (UTIG). The Walter Geology Library will expand with the building and continue to be ranked among the finest in the nation, thanks to a most generous gift from the Walter family.

This year witnessed the strongest faculty hiring in this Department in decades. Robert Goldhammer joined the faculty in January in the area of carbonate rocks. Robert Ferguson will join the faculty in the fall and add to our initiative in exploration geophysics. Kurt Knesel will join the faculty in the area of igneous rocks. Liang Yang represents our first hire in our new initiative in global change. This year also saw the creation of the Environmental Science Institute, which is housed within the Department and has Jay Banner as its director. We continue to have four disciplines (stratigraphy/sedimentology, structure/tectonics, hydrogeology, and paleontology) ranked in the top

ten nationally. By maintaining our traditional strengths and expanding into the frontier areas of Earth science, we believe that we are well situated to continue to rank among the best and largest geoscience departments nationally.

We continue to build our analytical facilities, in which the newest addition, a state-of-the-art mass spectrometer, adds to our existing facilities that an external review committee this year described as “the best in North America.”

Robert Folk, William Fisher, Jack Wilson, and Milo Backus received major medals this year. William Carlson finished his service as President of the Mineralogical Society of America, while Sharon Mosher assumed the presidency of the Geological Society of America. Leon Long, Chris Bell, and Steve Grand won University awards for excellence in teaching.

Challenges, of course, remain. The primary one is a better integration of the Department, BEG, and UTIG. Excellent teaching, research, and facilities are aspects of what makes this Department among the best. What makes this Department unique, however, is the sense of community that is apparent in the faculty, staff, and students, and that is evident in the strong support we continue to receive from our alumni long after they exit the building.

Gary Nocurek

Jackson School of Geosciences Established



On July 10, 2001, Dr. Larry R. Faulkner, President of The University of Texas at Austin, announced that The University of Texas System Board of Regents had approved the creation of a new School of Geosciences. The School will include initially the Department of Geological Sciences, the Bureau of Economic Geology, and the Institute for Geophysics.

At the same press conference, President Faulkner also announced that Mr. John A. Jackson, Honorary Life Member of the Geology Foundation Advisory Council and a 1940 graduate of UT Geology, has provided an endowment of \$25 million to the Geology Foundation in support of activities of the School. Mr. Jackson's gift is the third largest single gift in the history of The University of Texas at Austin.

President Faulkner also announced that the Board of Regents earlier that



TOP: PRESIDENT OF UT-AUSTIN LARRY FAULKNER (LEFT), CHANCELLOR OF UT SYSTEM DAN BURCK (SECOND FROM RIGHT), AND UT SYSTEM REGENT CINDI KRIER (RIGHT) APPLAUD HONORARY LIFE MEMBER OF THE GEOLOGY FOUNDATION ADVISORY COUNCIL JOHN A. JACKSON (SECOND FROM LEFT).

BOTTOM: ON JULY 1, 2001, PRESIDENT OF UT-AUSTIN LARRY FAULKNER AT PODIUM ANNOUNCES THE ESTABLISHMENT OF THE JOHN A. AND KATHERINE G. JACKSON SCHOOL OF GEOSCIENCES AND THE \$25 MILLION GIFT FROM MR. JACKSON. SEATED (LEFT TO RIGHT) HONORARY LIFE MEMBER OF THE GEOLOGY FOUNDATION ADVISORY COUNCIL JOHN A. JACKSON, UT SYSTEM REGENT CINDI KRIER, AND CHANCELLOR OF UT SYSTEM DAN BURCK.

PHOTOS PROVIDED BY DAVID M. STEPHENS.

day had approved naming the school in honor of Mr. Jackson and his late wife Katherine G. Jackson. The Jacksons have been long-time supporters of geology at The University, establishing a number of fellowships and research funds, and just last year, providing a gift of \$15 million to expand the current Geological Sciences Building.

At the news conference, held in the Academic Room of the Main Building, UT Regent Cyndi Krier of San Antonio, Texas, said, "The implications of this gift are immense. There is not a corner in the State of Texas, indeed, there is not a place in the world that is not impacted to some extent."

UT System Chancellor Dan Burck noted that, "John Jackson has made it possible for UT Austin to be at the forefront of research and technology in the geological sciences."

At the news conference, President Faulkner stated that, "The Jackson gift will support basic and applied

research concerning natural resources that are vital to the future of Texas. It will also ensure that The University maintains preeminence in educational and research programs in the geosciences for generations to come."

Mr. Jackson, who attended the news conference, noted that, "My education at UT Austin helped launch and sustain my career. Now I want to help others get the best education possible. I believe that UT Austin should be the Nation's leader in the geological sciences." Mr. Jackson added that, "You don't do philanthropy from a feeling of obligation. You do it from the heart. I enjoy helping others that can't do the same things I can. I'm not interested in honors. I'm interested in accomplishments."

Earnings from the new Jackson Fund are to provide research funds to support activities in basic and applied geological research by faculty, students, and research staff of the

School, to provide salary support for research staff who participate in teaching, to provide research leaves for faculty and staff, to enhance and enlarge the holdings of the Geology Library, to provide for graduate student fellowships, to provide for visiting scientists and post-doctoral scientists, and to provide endowed fellowships for meritorious research staff in the School.

The John A. and Katherine G. Jackson School of Geosciences brings together more than 100 faculty and research scientists, one of the largest academic assemblages of geological scientists in the Nation, and one of the most diverse in terms of specialties and interests. The synergies expected from this federation of faculty and research scientists will enhance and enlarge research productivity and will provide a wide range of geological inquiry, instruction, and research for students in the School.

Jacksons Fund New Building

John A. Jackson, Honorary Life Member of the Geology Foundation Advisory Council, with his late wife, Katherine G. Jackson, provided a gift of \$15 million to The University of Texas at Austin to expand the existing Geology Building. The Jackson gift is the third largest in The University's

history. The expansion will add 57,000 square feet and will include classrooms, conference rooms, faculty and student offices, and an expansion of the existing library. The project is scheduled for completion in December 2002.

The expansion and the current building will be renamed the John A. and Katherine G. Jackson Geological Sciences Building.

At groundbreaking ceremonies on April 17, 2001, which Mr. Jackson attended, UT Austin president Larry Faulkner noted that "The University has long been a leader in the geological sciences. The field of inquiry has played a major role in our state's past, and will remain important to its future. The generosity of John Jackson and the late Katherine Jackson will expand our understanding of the earth and its resources. The Jackson gift will enable Texas and UT Austin to achieve even greater preeminence in the geological sciences."



TOP LEFT: DR. LARRY FAULKNER (LEFT), PRESIDENT OF THE UNIVERSITY OF TEXAS AT AUSTIN, VISITS WITH MR. JOHN A. JACKSON (RIGHT) AT GROUND-BREAKING CEREMONY OF THE JACKSON GEOLOGICAL SCIENCES BUILDING ON APRIL 17, 2001.

PHOTO PROVIDED BY MARSHA MILLER.

CENTER LEFT: (LEFT TO RIGHT) DEAN MARY ANN RANKIN, DR. WILLIAM L. FISHER,

MR. JOHN A. JACKSON, DR. PETER T. FLAWN, AND PRESIDENT LARRY FAULKNER AT THE GROUND-BREAKING CEREMONY OF THE JACKSON GEOLOGICAL SCIENCES BUILDING.

CENTER RIGHT: MR. JOHN A. JACKSON WITH ARCHITECT'S RENDITION OF THE JOHN A. AND KATHERINE G. JACKSON GEOLOGICAL SCIENCES BUILDING AT THE GROUND-BREAKING CEREMONY.

BOTTOM LEFT: (LEFT TO RIGHT) HONORARY LIFE MEMBER JOHN A. JACKSON SPEAKS AT GROUND-BREAKING CEREMONY AS PRESIDENT EMERITUS PETER T. FLAWN AND PRESIDENT LARRY FAULKNER LOOK ON.

Jack Jackson has been a member of the Advisory Council since 1975, and he and his wife have long been supporters of the geological sciences at UT Austin. He and Katie have established the John A. and Katherine G. Jackson Centennial Teaching Fellowship, the John A. and Katherine G. Jackson Fellowship in Geohydrology, and the John A. and Katherine G. Jackson Exploration Geophysics Fund. Jack graduated from The University with a degree in geology in 1940 and often says that the success and fortune he has had in his business and professional life are due to the geological training he received at the University of Texas, Austin.

Walters Provide Major Gift for the Walters Library



The Walter family, Joseph C. Walter III, President and Chief Executive Officer of Walter Oil and Gas Corporation in Houston, Texas, and member of the Geology Foundation Advisory Council, Mrs. Elizabeth C. Walter, and Carole Walter Looke, are providing a gift of \$1.2 million to expand and upgrade the Joseph C. Walter, Jr. and Elizabeth C. Walter Geology Library.

The gift will supplement the Jackson gift for the geology building expansion and will be directed specifically to the Walter Library. The Walters, including especially the late Joseph C. Walter, Jr., an Honorary Life Member of the Geology

Foundation Advisory Council, have generously supported the Geological Sciences at UT Austin.

The Geology Library was named in honor of Mr. and Mrs. Walter in 1982 for their support in building one of the top geological libraries in the United States.

TOP: MRS. ELIZABETH C. WALTER (RIGHT) AND PRESIDENT LARRY FAULKNER (LEFT) UNVEIL WALTER PORTRAIT TO BE PLACED IN JOSEPH C. WALTER, JR., AND ELIZABETH C. WALTER GEOLOGY LIBRARY DURING CEREMONY ON OCTOBER 6, 2000.

CENTER: MRS. ELIZABETH C. WALTER SPEAKS AT THE UNVEILING OF THE WALTER PORTRAIT CEREMONY ON OCTOBER 6, 2000.

BOTTOM: MR. JOSEPH C. WALTER, III SPEAKS AT THE UNVEILING OF THE WALTER PORTRAIT CEREMONY ON OCTOBER 6, 2000.



FACULTY AND STAFF LISTING

Professors, Associate Professors, Assistant Professors, and Lecturers

Jay L. Banner

Associate Professor and
Dave P. Carlton Centennial
Fellow in Geology

Christopher J. Bell

Assistant Professor and
John A. Wilson Fellow in
Vertebrate Paleontology

Philip C. Bennett

Professor and John A.
and Katherine G. Jackson
Centennial Teaching Fellow
in Geological Sciences

Robert E. Boyer

Professor and Peter T. Flawn
Centennial Chair in Geology

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

Associate Professor,
William T. Stokes Centennial
Teaching Fellow in Geological
Sciences, and Associate Chairm an

Ian W. D. Dalziel

Professor and Associate Director,
Institute for Geophysics

James S. (Jay) Famiglietti

Assistant Professor, Elf Aquitaine
Petroleum Faculty Fellow in
Geological Sciences, and
Bill R. Payne Centennial
Teaching Fellow

William L. Fisher

Professor, Leonidas T. Barrow
Centennial Chair in Mineral
Resources, and Director,
Geology Foundation

William E. Galloway

Professor and Morgan J. Davis
Centennial Chair in
Petroleum Geology

Stephen P. Grand

Professor and Dave P. Carlton
Centennial Professor in
Geophysics

Mark A. Helper

Senior Lecturer

Gary A. Kocurek

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

J. Richard Kyle

Professor, The Third Mr. and
Mrs. Charles E. Yager Professor,
and Graduate Advisor

Leon E. Long

Professor, The Second Mr. and
Mrs. Charles E. Yager Professor,
Undergraduate Advisor, and UT
Distinguished Teaching Professor

Randall A. Marrett

Assistant Professor and
Joyce Bowman Payne Centennial
Teaching Fellow

Earle F. McBride

Professor and J. Nalle Gregory
Chair in Sedimentary Geology

Sharon Mosher

Professor and Wilton E. Scott
Centennial Professor

Yosio Nakamura

Professor and Senior Research
Scientist, Institute for Geophysics

Timothy B. Rowe

Professor and J. Nalle Gregory
Regents Professor in
Geological Sciences

John M. (Jack) Sharp, Jr.

Professor and Chevron
Centennial Professor in Geology

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
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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 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

Professors Emeriti

Milo M. Backus
Professor and Shell Companies
Foundation Distinguished
Chair Emeritus in Geophysics

Daniel S. Barker
Fred M. Bullard Professor
Emeritus in Geological Sciences

Leonard F. Brown, Jr.
Stephen E. Clabaugh
Fred M. Bullard Professor
Emeritus in Geological Sciences

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

Robert L. Folk
Dave P. Carlton Centennial
Professor Emeritus in Geology

Claude W. Horton
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
J. Nalle Gregory Professor
Emeritus in Sedimentary Geology

Research Scientists

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Wulf A. Gose
Research Scientist and
Senior Lecturer

Todd B. Housh
Research Scientist

Eric W. James
Research Scientist Associate V

Richard A. Ketcham
Research Scientist

Lawrence E. Mack
Research Scientist Assistant

Fred W. McDowell
Research Scientist and
Senior Lecturer

Kitty L. Milliken
Research Scientist and Lecturer

Visiting Scholars

none

Technical Staff

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Technical Staff Assistant III

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Computer Illustrator

Effie L. Jarrett
Senior Systems Analyst

Joseph Jaworski
Photographer II

John M. Lansdown
Research Scientist Associate IV

J. Tyler Lehman
Senior Systems Analyst
and Coordinator of
Computational Resources

Kathryn A. Manser
Research Scientist Associate I

Gregory L. Thompson
Technical Staff Assistant III

Dennis R. Trombatore
Librarian, Walter Geology Library

Administrative Staff

Amadeo Gonzales
Administrative Associate

Miriam L. Pashby
Administrative Assistant

John R. Ready
Senior Procurement Officer

L. Alice Rentz
Administrative Assistant

Debra Sue Trinqu
Accounting Technician

Renee A. Waters
Academic Advisor

William I. Woods
Executive Assistant

Geology Foundation

Mary E. Koch
Senior Administrative Associate

Dr. William L. Fisher
Director

Faculty Personal Notes

Frank Brown continued to work 40 percent for the Bureau of Economic Geology on its State Lands research programs. He is involved in the seismic and sequence stratigraphy of three Frio fields in the Corpus Christi, Texas, region. He and other Bureau staff members presented a weeklong short course in depositional systems for PEMEX in Veracruz, Mexico, near the end of August 2000. During April to June, Frank taught a course for Bureau staff on sequence stratigraphy one day per week for five weeks. Three siliciclastic projects at the Bureau are under way that involve extensive sequence and seismic analyses—State Lands Frio studies, DOE-funded Offshore Secondary Gas Recovery study of two Miocene Louisiana fields, and a major study of the Macuspana Basin for PEMEX. These studies have accelerated the Bureau's application of seismic and sequence analyses in siliciclastic rocks. Frank observed his 73rd birthday in June and, like the battery energizer bunny, he just keeps going and going.

Bill Fisher continues in full-time teaching and graduate student supervision along with direction of the Geology Foundation. He teaches a graduate course in Sequence Stratigraphy and along with Scott Tinker a graduate course in Reservoir Geology. Bill is currently supervising a host of

graduate students working in the Gulf of Mexico, Texas, New Mexico, Arizona, Mexico, Indonesia, and Venezuela. Six students are graduating, including Russell Hamman, who will work with ExxonMobil in Houston, Texas, Jim Corboy working with the U.S. Geological Survey, Tony Troutman, who will be working with Shell in Houston, Jason Rush going to work for Oxy International in Houston, and Veronica Castillo and Marel Sanchez, who will return to PDVSA in Caracas, Venezuela.

Bill continues a substantial outside lecture schedule, including presentation to The Presidents' Circle of the National Academies, a natural gas forum in Washington, D.C., keynote of the annual Gulf Coast Association of Geological Societies meeting in Shreveport, Louisiana, and a summation of the American Association of Petroleum Geologists energy summit in Washington. With Art Green of ExxonMobil, Bill convened a special session on the Impacts of Ideas and Technology in Petroleum Exploration at the AAPG annual meeting in Denver, Colorado. He continues activities with the National Petroleum Council, the Gas Technology Institute, and boards and committees of the National Research Council and the National Academies. At the annual meeting of the AAPG in Denver, he was elected Trustee of the AAPG Foundation. He received the Twenhofel Medal from SEPM

(Society for Sedimentary Geology) where long-time colleague Bob Folk, a previous Twenhofel Medalist from UT Austin, was his biographer.

Peter T. Flawn continued his involvement with The University's capital campaign and with service on a number of University boards and advisory councils. He serves as a director of several corporations and non-profit organizations, including Southwest Research Institute. Last fall, The University of Texas System Board of Regents conferred upon him the Santa Rita Award for service to The University of Texas System.

Roberto (Luigi) Folk states that it was an exciting and busy year for the Folks. In June, Bob and Marge went to Italy with three erstwhile graduate students, Dr. Steve and Martha Cast Cather and Lisa Orr. Sampling at Viterbo hot springs was followed by a pleasant couple of days at Amalfi, where they saw the procession of Sant'Antonio complete with fireworks and dancing in the piazza. Then it was on to Sicily and wonderful pesce spada at Milazzo and stays on the island of Vulcano and Lipari. Steve, a volcanic sedimentologist, had never seen a live volcano before so he had a great time climbing craters. (Steve was too timid to go into the hydrothermal mud pools.) Steve and Martha climbed Stromboli by night to

watch it erupt. Martha and Lisa had to return to the United States, but Steve, Marge, and Bob visited the ancient Sicilian town of Cefalu with its beautiful Romanesque cathedral, then on to Taormina (yes, where Steve was scared sheetless when plaster from the ceiling began falling on his bed at the legendary decrepit hotel Albergo Moderno). Just after supper, they saw a red glow on the side of Mount Etna (yes, an eruption), and the next morning they took a taxi to the summit, where they saw Etna blow three incredibly perfect smoke rings high into the sky, a professional smoke job! After visiting Siracusa, they then went up the East Coast, stopping at Taranto, Bari, and Pescara. They took a fascinating taxi trip out into the landscape of the trulli at Alberobello (conical houses built of limestone slabs).

A relatively calm but hot Austin summer followed, then in September, Bob flew to Dublin to talk on nanobacterial clays at a meeting of the European sedimentology group and later to Stony Brook, New York, to give a lecture. In October, Marge and Bob went to Penn State for a reunion of the Nittany Co-op (where they met in 1946) and also gave a lecture at the invitation of Courtney Turich, now seeking her Ph.D. there. Driving through the Appalachians was gorgeous. They had to cut that trip short and fly to Birmingham, Alabama,

where granddaughter number two had been in an accident. (Jenny and her family moved from Tuscaloosa to Birmingham in June.) In November, they went to Reno, Nevada, for the Geological Society of America meeting, where Bob received a medal for a career full of errors and gave a talk on nanobacteria in Martian meteorite ALH84001. They enjoyed seeing the Lake Tahoe area and Virginia City in snow.

In February, Bob went to the Jet Propulsion Laboratory in Pasadena, California, to look at Viterbo spring samples with their fancy electron microscopes, Veni, Vidi, and Vinci, despite what you might see on British Broadcasting Corporation TV (his part was left on the cutting-room floor). This spring, wildflowers at their cabin have been the most beautiful ever; they also enjoyed a trip to Port Aransas to see whoopers.

Scientifically, work continues with thanks to co-workers Dr. Brenda Kirkland and Jeri and Dr. George Rodgers. They now have a cooperative effort with Mayo Clinic, working on nanobacteria and diseased hearts and plugged arteries. Frankly, arterial plaque under the scanning electron microscope looks very much like the samples from Viterbo hot springs, from Martian meteorites, and from earthly carbonate rocks.

Bill Galloway's research life has increasingly been consumed by the Gulf Basin Depositional Synthesis project, which is an industry associates' program organized through the Institute for

Geophysics. A summary of the first three-year phase, published in the November *AAPG Bulletin*, triggered further corporate interest, so they are now into their third phase and sixth year, with several new additions to the consortium. The project has created "the database he always wanted" to look at Gulf Cenozoic depositional history. He's got at least a couple of years to go, so he will get to play with the database. Student projects in the late Quaternary of the lower Brazos alluvial valley and New Jersey shelf have kept him involved in relatively modern systems and processes as well. Teaching continues to revolve around clastic depositional systems and undergrad petroleum geoscience. Both are regularly filled by fresh young faces each year. With help from his recent T.A.'s, he has introduced use of PC-based workstation exercises into the petroleum lab. On the home front, the big news is that Rosemary and he became grandparents. Grandson Ty (for Tyler) lives only an hour away, so he should get plenty of practice at grandfathering. He has also developed into a methodical harvester of the trout that Texas Parks and Wildlife Department now regularly stocks in the Guadalupe and Blanco Rivers during winter months. He states, "They may not be wild, but they taste good!"

Rich Kyle taught the undergraduate course on Texas geology and mineral resources during the fall semester. In the spring semester, he taught the Regional

Studies in Mineral Resources Geology graduate course that culminated in a two-week trip to the Iberian Peninsula. Colleagues Bill Chavez of New Mexico Tech and Erich Petersen of the University of Utah organized this great trip that provided an exceptional educational opportunity for three UT graduate students. Rich also taught the upper division volcanology elective in the spring, filling in after the retirement of Dan Barker. Dan, Fred McDowell, and Ken Wohletz of Los Alamos National Lab provided guest lectures. Rich also taught Physical Geology during the first session of summer school.

Like everyone else in the Department, Rich was caught up in preparation for the Geology Building addition. Because of the temporary loss of the "cage," tons of teaching and research specimens and mineral exploration cores representing three decades of collecting around the world had to be relocated prior to construction. Rich also became Graduate Advisor, combining that role with chairing the Graduate Admissions and Support Committee that he has done for several years.

Rich and his graduate students continue to conduct research on diverse topics within the broad field of economic geology. Amy Gilmer completed her thesis on the Red Hills porphyry system in Presidio County, including the exciting results that Red Hills is much older than previously thought and, in fact, is the oldest Tertiary igneous rock in West Texas. Jenny Head is studying the related silver deposits at Shafter,

Texas' largest metal producer. Asif Muzaffar is correlating cap rock formation and mineralization with salt dome development at Davis Hill in southeast Texas.

Rich chaired the Central Texas Section of the Society for Mining, Metallurgy, and Exploration. In October, he toured Chinese colleagues around Arizona on a reciprocal visit for his trip to China last year. Rich traveled to Edinburgh, Scotland, in June for a presentation on the Delaware Basin for a session on biodegradation of petroleum at the Earth System Processes meeting. He met with research colleagues at the Natural History Museum in London, England, and at the British Geological Survey in Nottingham. Rich also has been selected as the Society of Economic Geologists' Thayer Lindsley Visiting Lecturer for 2002.

Linda's health and fitness articles were published in several countries, and she is writing a book, *Fun Foods for Kids & Grownups*. Brock graduated from UT in New Media with high honors. Brett graduated from Connally High School, fourth in a graduating class of more than 400, and will begin at UT in the fall. All in all, it was a very busy and productive year for the Kyles.

Lynton Land is getting more involved in stewardship issues, in part to atone for the sin of satisfying Felicia's thirst for diesel fuel (1.2 mpg). Writing papers these days means monthly newspaper articles and radio scripts for

local consumption on issues like agricultural sludge application, groundwater, the importance of marshes, proper septic system maintenance, etc. The goal is to educate citizens about how simple lifestyle changes can actually help remove the Chesapeake Bay from EPA's "impaired waters" list by 2010. Caring for the boats, the vegetable and oyster gardens, the orchard, and the various kinds of fruits and nuts scattered all over the property also takes a lot of time. But a day doesn't pass that they don't eat something that they either grew or caught. (He can't add "or shot," although the squirrels and turkeys can be tempting.) For Judy Lang, stewardship means continuing involvement in scientific assessment of Caribbean-area coral reefs, helping the Center for Marine Conservation invent a reef benthos monitoring protocol for volunteer divers, and other forms of outreach education. When in tidewater Virginia, she is learning to appreciate the amazing fertility of the soil and the profusion of flowering plants that can be grown even by those whose thumbs are blue rather than green.

Last year, **Leon Long** continued to teach the large introductory geology course (GEO 303) as he always does, teaming with Libby Stern in the fall semester and with Steve Grand in the spring semester. Another perennial assignment is to teach a field course during late May (i.e., Intersession)

to students who are majoring in any subject *except* geological science. For those who will teach in the public schools, it is an ideal way to absorb geology by being immersed in it, and this year the course filled to its maximum enrollment capacity, thanks to a surge of aspiring teachers in the College of Natural Sciences' popular new UTeach program.

As an outcome of much faculty discussion over the years, Leon also introduced a new graduate course, *Modern Geological Sciences*. The Department is concerned that our Ph.D.'s shall be both "pinnacles" (a metaphor for having a deep knowledge of a narrow subject) and "spheres" (having a broad, generalized knowledge of the entire spectrum of geological science). A Ph.D. automatically becomes a pinnacle by doing a substantial piece of original research, and the new course is our attempt to make these excellent students become spheres. The Department implemented a diagnostic examination to test how "spherical" the incoming graduate students were, and the first class of 18 students was treated to presentations on just about every aspect of geological science by 17 faculty members. It was a high-intensity experience, full of really good stuff! We believe that this educational experiment was a success and have plans for making it even better the next time.

To make room for the new graduate course, Leon

gave up teaching isotope geology, which has been his staple course for nearly 40 years, handing it over to Jim Connelly.

Especially during the spring semester, Leon worked day and night to meet the deadline for a major revision of his textbook, *GEOLOGY*. He rewrote the one remaining chapter that had never been revised and created computer graphic images of more than 100 figures, many of them highly complex, with the goal to get as much of the book as possible into electronic form.

For a holiday, Leon and Mary had a wonderful journey to Australia to snorkel in the Great Barrier Reef, visit Kakadu National Park near Darwin (Crocodile Dundee land), climb Ayers Rock, etc.

In the fall semester, **Earle McBride** taught the clastics part of Sedimentary Rocks with Charlie Kerans and the graduate course in supervised teaching for teaching assistants required by Texas law. In October, Earle attended the Geological Society of America meeting in Reno, Nevada, and spent two days trudging in snowy terrain on a field trip in northern Nevada. It was a task to find rocks beneath the snow, Earle reports. In the spring, Earle taught half of Sedimentary Rocks with Bob Goldhammer (new faculty member), half of the Introductory Field Methods course with Mark Helper, and his graduate course

on Sandstone Petrology. During April, Earle taught a short course on clastic diagenesis for Universidad Nacional Autonomas de Mexico in Mexico City and had the opportunity to visit with one of our Ph.D.'s teaching at UNAM, Jaime Barcelo Duarte, and a current Ph.D. student working for Instituto Mexicano del Petroleos, Ricardo Torres Vargas.

On the summer field course, Earle worked four days in Durango, Colorado, with Gary Kocurek. A larger than normal enrollment kept the instructors busier than usual last summer.

After the field course, Earle spent three weeks in Italy doing field work in Tuscany, Emilia-Romagna, and Veneto and spent some time with several Italian geologists with whom he is collaborating. The remainder of the summer was spent working on several long-term research projects. Two research projects on calcite-cemented concretions reached publication this year.

Like a number of his colleagues, Earle is called upon at times to identify rocks brought to the department by laypeople. Two episodes this spring attest to Earle's skill at this task. One person brought a rock to be identified in a paper sack. Earle closed his eyes and had the person place the rock in his hand. After fondling the rock a while with his eyes closed, Earle correctly identified the rock. But two weeks later, he improved his performance. He received a call from the

main office asking whether he had time to identify a rock brought in by another person. Sure. Send the person up to my office. Earle wrote his identification of the rock on a file card before the person reached his office on the third floor. When shown the rock, Earle's written identification proved to be correct. What a performance!

Postscript: 90 percent of the people wanting a rock identified bring in an iron-oxide concretion; they believe the sample is a meteorite.

This past year has been very fulfilling for **Sharon Mosher**. In November, she became President of the Geological Society of

America and has been exceedingly busy guiding the Society ever since. GSA has embarked on a number of exciting initiatives that involve close collaboration with other geoscience societies, such as global meetings and strategic partnerships with geological societies of foreign countries, formulation of a content based, fully searchable, electronic journal aggregate, and outreach programs for students, the public, and public policy makers. Sharon says that the experiences over the last year have broadened her perspective on the geosciences at large and on the role of GSA for the future. She notes that she has learned a tremendous amount over the last year; it has been a time of intense

personal growth in ways she never anticipated. One very enjoyable part of her year was going to all of GSA's sectional meetings where she gave talks on her research in the Precambrian of Texas or on the work along the Macquarie Ridge Complex south of New Zealand. In particular, she had great fun giving a joint talk with Robbie Gries on "GSA/AAPG's Grand Challenge for the 21st Century—A Friendly Merger?" at the combined GSA Rocky Mountain Section-AAPG Pacific Section meeting this spring. After these sectional meetings, multiple trips to Boulder, Colorado, and Washington, D.C., and a trip to Edinburgh for the Earth System Processes meeting in June, Sharon is

looking forward to much less travel in the next year and more time with her family.

On the teaching front, she taught the graduate Advanced Structural Geology and the non-major Earth, Wind & Fire courses. This spring teaching Earth, Wind & Fire was more satisfying than ever with a great class of ~300 students that were very enthused about the course. The Macquarie Ridge Complex project continues with two graduate students actively working on the field and marine geophysical data obtained last year and with the planning for the next field season starting next fall. A finishing Master's student working in Connecticut, a new Ph.D. starting in the Maria tectonic belt of Arizona, and a senior honors student finishing a thesis on the Oxford serpentinite in the Llano Uplift of Central Texas helped keep her busy all year.

The year ended with a trip to Illinois, where she was honored with an Alumni Achievement Award in recognition of a distinguished career in geoscience from the University of Illinois Geology Department.

Sally continues to claim that **Bill Muehlberger** "flunked" retirement! Maybe she is right. Bill is still involved with astronaut training, although with this year's budget cuts, fewer trips were made to the Johnson Space Center! He was involved in two meetings concerning human-robot interaction in the exploration of Mars. At



ROBBIE GRIES (LEFT), PRESIDENT OF THE AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, AND SHARON MOSHER (RIGHT), PRESIDENT OF THE GEOLOGICAL SOCIETY OF AMERICA, AT THE COMBINED GSA ROCKY MOUNTAIN SECTION AND AAPG PACIFIC SECTION MEETING LAST SPRING.

PHOTO PROVIDED BY ROBBIE GRIES.

the rate we are doing nothing, he doubts if he will get to see us land humans on Mars. Rats! The annual meeting of the National Space Society at Albuquerque, New Mexico, had him talking back to back with Harrison (Jack) Schmitt, Apollo 17 astronaut/geologist, concerning the Apollo view of the Moon: Jack from the Moon, Bill's view from the Science 'backroom' at Mission Control.

Bill was Study Leader for a Smithsonian Rocky Mountain National Park tour in late September. An early snow kept them out of most of Yellowstone Park, although they did get to watch Old Faithful do its thing! Then in late October, he went to a geological meeting in Mendoza, Argentina, followed by a field trip across the Andes to the Pacific Coast. Fabulous! As a result, Sally and he went to Patagonia in January. The most spectacular mountain range he has ever seen is there in Chile: the Torres del Paine. They are the backdrop for the Chevrolet Sports Utility Vehicle TV ad. A must see—the mountains, that is! This spring he again co-led a hiking tour of Big Bend for the Smithsonian. The flowers were spectacular because of good rains this year. But, because of seven years of drought, birds and animals were noticeably fewer than last year!

Walt Haenggi, Pat Dickerson, and he co-authored a poster on the southern end of the Ancestral Rockies as part of several sessions on the Ancestral Rockies at the Reno,

Nevada, Annual Meeting of Geological Society of America. Also, he gave talks to the South Texas Geological Society and Trinity University. He was the keynote speaker for a day-and-a-half symposium on East Asian Tectonics at the Cordilleran Section GSA meeting in Burbank, California. The topic was "Tectonics of the Tibetan Plateau as seen from the Space Shuttle."

Amos Salvador continues to work in two main areas: stratigraphy and the estimation of the consumption and possible sources of energy supply during the 21st century. In stratigraphy, he has been coordinating the efforts of the Working Group on Sequence Stratigraphy of the International Subcommission on Stratigraphic Classification. He will present the near-final recommendations of this working group at the AAPG Hedberg Research Conference on "Sequence stratigraphic and allostratigraphic principles and concepts" to be held in Dallas, Texas, in August 2001. A final report will be prepared and submitted for publication.

On the energy project, he completed the sections on coal, nuclear energy, hydroelectric and geothermal power, and solar and wind energy. Short sections on other possible sources of energy will be completed before tackling the final section of the project covering a selection of possible energy consumption and supply outlooks for the 21st century.

Jack Sharp continues his research on a variety of fronts. One of the most interesting is the effect of urbanization on groundwater systems. The results of the research so far show that groundwater systems in cities are underutilized and poorly understood. Unfortunately, Austin's urban sprawl is eliminating the best duck hunting spots in North America.

Jack and eight graduate students topped off the spring semester with a weeklong field trip to the United Kingdom. Former UT Oliver Lecturer, John Mather of Royal Holloway College, co-arranged the trip, which covered London and Nottingham with short visits to the British Geological Survey and Oxford. Because their studies were in the cities, they were able to conduct the excursion in spite of the foot and mouth disease restrictions. Jack was able to attend the 2413th meeting of the Geological Society (Darwin was its first secretary) in London.

This year's groundwater field methods course conducted their final study on Padre Island National Seashore. The study showed significant variation in the freshwater lens compared to the previous studies that were conducted in 1991 and 1997. Plans for this academic year include the International Association of Hydrogeologists (IAH) Congress in Munich, Germany, two visits to Australia, and one to the University of Nebraska. He is looking forward to

preparing an outreach lecture for the Environmental Science Institute. There are proposed visits to UT from two Australian visiting scientists to study free convection and groundwater recharge.

Jack continues his collaboration with several scientific organizations. He is organizing a fall symposium for the American Institute of Hydrology (AIH) on Groundwater Challenges in the 21st Century. He is still awaiting his Geological Society of America replacement as editor for *Environmental and Engineering Geoscience*. This journal is steadily improving and important changes are coming in the near future. He was pleased that James Underwood's (Ph.D., 1962) article on anthropic rocks was published in it. Jack attended the IAH Congress in Cape Town last fall, where he advised Todd Halihan (Ph.D., 2000) to use slides over PowerPoint because slides were always more reliable. They weren't! So Jack gave his later talk using PowerPoint. Todd was eventually able to give his talk.

Halihan and Matt Uliana (Ph.D., 2000) accepted academic positions at Oklahoma State University and SUNY New Paltz, respectively. Ted Ressler (M.S., 2001) finished an interesting thesis on characterization of the Fortymile Wash sediments at the Nevada Test Site and joined MFG, Inc., in Austin. Several undergrads in the GEH program have finished and took positions

with both the petroleum industry and environmental consulting concerns. The job market for hydrogeology students continues strong. This past summer there were more job openings than students available to fill them.

Jim Sprinkle had a busy year of teaching, research, and travel. He taught the junior-level Paleobiology course to 28 Geology majors in the fall along with the graduate Nomenclature and Techniques course to six graduate students, and also gave three lectures in Leon Long's brand new Modern Geological Sciences course to 17 graduate students. In November, he was co-author on a talk at the Geological Society of America meeting in Reno, Nevada, and in January, he visited co-worker Tom Guensburg at Rock Valley College in frigid Rockford, Illinois, for three days of research. During the spring, he taught the freshman-level Plate Tectonics and Earth History course to 78 undergraduates and had six graduate students in his Current Topics in Paleobiology (Evolution) course, plus spending part of spring vacation visiting former Ph.D. student Colin Sumrall at the University of Iowa to revise or work on several papers. G. K. spent the spring lobbying in the Texas Legislature for three public-service and corporate clients in a relatively successful session. Most of May and early June were spent getting ready for talks during the summer, although there

Scott W. Tinker, Director of the Bureau of Economic Geology (BEG), State Geologist of Texas, and Professor, enjoyed his first full year at UT. Scott co-taught with Bill Fisher a graduate class on Reservoir Geology in the fall of 2000 and will co-teach again in the fall of 2001.

were unfortunate interruptions for asbestos abatement in the Paleozoic Lab in late April as an early stage of the new building addition, during which all the storage cases and their collections were moved to the Texas Memorial Museum, and an even more disruptive water leak into Jim's office from a dripping pipe upstairs on June 1, which soaked nearly a hundred journal issues and many reprints that had to be dried out over the next few days. Surviving all of this, Jim and Chris Schneider drove to the Grand Canyon in early June, where he traded vehicles with G. K., who was working as a National Park Naturalist-Interpreter, and then drove to western Utah, central Nevada, and eastern California for 11 days of field work in the Lower Ordovician section and to look at a possible dissertation project for graduate student Brian Wilbur. Although fossil echinoderms were scarce, they had two outstanding afternoons when brand new echinoderm taxa were discovered. After the students had left, Jim drove south to Riverside, California,

for the International Geologic Correlation Program Project 410 Conference on the Ordovician biodiversification, where he presented a paper, and then to Berkeley, California, for the North American Paleontological Convention 2001, where both Chris Schneider and Tom with Jim presented papers. Then it was back to the Grand Canyon to swap vehicles with G. K. again, and a long drive back to Austin after being away for just over a month. The only other travel was another trip to Rockford in August for four more days of research with Tom.

Scott W. Tinker, Director of the Bureau of Economic Geology (BEG), State Geologist of Texas, and Professor, enjoyed his first full year at UT. Scott co-taught with Bill Fisher a graduate class on Reservoir Geology in the fall of 2000 and will co-teach again in the fall of 2001. He sits on a few graduate student committees, has taken on his first Master's student, and is a member of the Faculty Review Committee.

Scott traveled to Brazil, Costa Rica, Belize, and

Mexico this year for the BEG. He presented dozens of talks on the Bureau, U.S. energy supply and demand, and carbonate stratigraphy and reservoirs to societies and universities all around Texas. He gave a keynote lunch talk at the Gulf Coast Association of Geological Societies (GCAGS) convention in Houston, a keynote talk at the Hedberg Geostatistics Conference, and an invited talk to several hundred attendees at the Second International Petroleum Technology Exhibition in Mexico City on the United States-Mexico gas supply picture.

Scott spent many days in Washington, D.C., with the Association of American State Geologists (AASG) and with the Petroleum Technology Transfer Council (PTTC) and presented invited testimony to the U.S. House Subcommittee on Energy of the Committee on Science. He also twice presented invited testimony to the Texas Legislature.

Scott serves on several AASG committees, the American Association of Petroleum Geologists (AAPG) Education Committee, and the Steering Committee for the 2001 AMGP (Asociacion Mexicana de Geologos Petroleros)/AAPG International Conference in Veracruz, Mexico. He is the Technical Program Chairman for the 2002 GCAGS meeting that will be held in Austin. Scott was voted President-elect of the Austin Geological Society for 2001-2002 and will serve as President for 2002-2003. He is also a member of the Trinity University Board of Visitors.

With two faculty in UT Civil Engineering, Clark Wilson won a \$3 million National Science Foundation award to construct a seismic system for evaluating geotechnical properties related to earthquake hazards. This should prove to be an interesting crossover between engineering and geophysics that will employ the Vibroseis and other seismic tools of exploration geophysics.

Combined with building a new house, having a fourth child (the Princess Claire), and spending many fun-packed days at the BEG, Scott summed up the year as being both full and fulfilling.

Clark Wilson taught the "Computational Methods" class during the fall semester, covering both computer programming and elementary data processing for undergraduate and graduate students. Spring semester included both "Geophysics

for Geology Majors" and "Data Processing" at the graduate level, which included many students from engineering departments, as well as Geological Sciences. During both fall and spring, a new "Geophysics Colloquium" was conducted as a once-a-week visit to various geophysical labs around Austin, and several field trips, including one to a Vibroseis crew. On the research front, he continued work with his NASA grant relating to space geodesy, and, with two faculty in UT

Civil Engineering, Clark won a \$3 million National Science Foundation award to construct a seismic system for evaluating geotechnical properties related to earthquake hazards. This should prove to be an interesting crossover between engineering and geophysics that will employ the Vibroseis and other seismic tools of exploration geophysics. Travel this year included the annual European Geophysical Society meeting in Nice, France. On the home front, the entire schedule and general level of activity are set by two teenage daughters. Clark continues to commute to campus by bicycle, on the same bike he used as a graduate student.

Except for trips to Harlingen and Dallas, Texas, to visit children and grandchildren, Ann and Keith Young stayed home during the year 2000. In the summer of 2001, they visited other Youngs in Buffalo, Wyoming.

With coauthor Gary Olmstead, Keith published on Late Jurassic ammonites from the northeastern Chiricahua Mountains, southeastern Arizona, in *New Mexico Geology*, vol. 22, no. 1. These ammonites are from the Mexican province rather than the California province. Keith has submitted a small monograph on Upper Cretaceous ammonites from Alabama to the Geological Survey of Alabama. He has further submitted a manuscript to the *Journal of Paleontology* on Jurassic ammonites from Irian Jaya, collected by graduate students and professors supported by P. T. Freeport Indonesia Mining Company. He has completed most of his share of a manuscript on Upper Cretaceous ammonites from the Big Bend National Park and the Big Bend Ranch State Park and adjacent areas with Margaret and James Stevens of Beaumont. In all, it has been a busy time.

Bullard Student Research Fund Established

A new endowed fund known as the Fred M. Bullard Student Research Fund has been established in the Geology Foundation with gifts from friends of Dr. Fred M. Bullard, including gifts from Dr. Bullard's daughter, Ms. Thaïs Freda Bullard, and Dr. Thomas D. Barrow. The Fund is

established in memory of Dr. Bullard, a long-time Professor of Geology at UT Austin, to support student research in his principal fields of study, including volcanology and geothermal energy. All contributions to the Bullard Fund are welcomed.

Seeking Anticlines

by Richard R. Bloomer

After the Drake discovery in 1859 of an oil well located next to an oil seep, for about 45 years wildcat wells were drilled near oil seeps, along trends of oil wells, and on hunches. Apparently little geology was applied, but many small oil fields were discovered.

The theory that oil may or may not accumulate in anticlines was discussed by leading geologists from about 1830 to early 1900. Finally, in a few oil fields, geologists plotted well-sample logs, contoured subsurface structure maps, and proved that the oil was accumulated in anticlines.

Geologists began to explore for outcrops of anticlines with open-sight hand levels, stadia rods, aneroid barometers, Brunton compasses, and topographic maps. These methods of surveying were subject to errors. Later, telescopes were added to hand levels. A superior instrument was perfected in 1909 by Hoyt Gale, a U.S. Geological Survey geologist, and named the Gale Telescopic alidade. It replaced most of the early methods of surveying. With a level-plane table, a telescope with cross-hairs that can measure elevation, distance, and direction of a stadia rod on an outcrop, surveying for anticlines became more accurate. Many of them became major oil fields. For about 50 years, the telescopic alidade was used in the field to map geologic structures. It was replaced by laser beams, satellites, and computers.

Petroleum geology began when geologists proved that oil can accumulate in anticlines and explored for them in outcrops. In recognition of this important event, I had sculptor Terry S. Gilbreth cast a pair of bronzes named Seeking Anticlines. They were made in honor of Ed Owen and Ronald DeFord, who, after very successful careers in petroleum geology, retired early to teach geology in the Geology Department. On one sculpture Ed is standing beside a plane table and telescopic alidade,



PHOTO OF BRONZE SCULPTURES OF ED OWEN (LEFT) AND RONALD DEFORD (RIGHT).

and on the other Ronald is holding a stadia rod. The sculptures were based on photos of Ed and Ronald surveying in 1917.

Because of the historical significance of these fine sculptures, we have created a unique opportunity to make the sculptures available to our alumni and friends while also raising valuable support for the Geology Foundation. The artist has agreed to sell the sculptures for his cost of \$2,600 (plus tax, shipping, and handling) to those who agree to make a minimum gift of \$1,000 to the Geology Foundation. If you are interested in taking advantage of this offer, please contact me in writing at the following address:

Dr. Richard R. Bloomer
17800 Inspiration Circle
Lago Vista, TX 78645-9706

R. L. Folk/E. F. McBride Petrography Fund Established

Dr. Roger E. (Tim) Denison, member and former Chairman of the Geology Foundation Advisory Council, has established a new endowment in the Geology Foundation. It is named the R. L. Folk/E. F. McBride Petrography Fund, in honor of two long-time members of the Department of Geological Sciences.

The Fund is meant to advance petrography, both in teaching and in research. In addition, distributions

from the Fund will be used to continue the Petrography Awards, made each year to a graduate and an undergraduate student who best excel in a thin-section examination.

Although the Fund has been initially endowed by Dr. Denison, all with interest in petrography are urged to contribute to the Fund and the advancement of petrography at The University of Texas at Austin.

Geological Sciences Helps Establish UT's Environmental Science Institute (ESI)

by Jay A. Banner

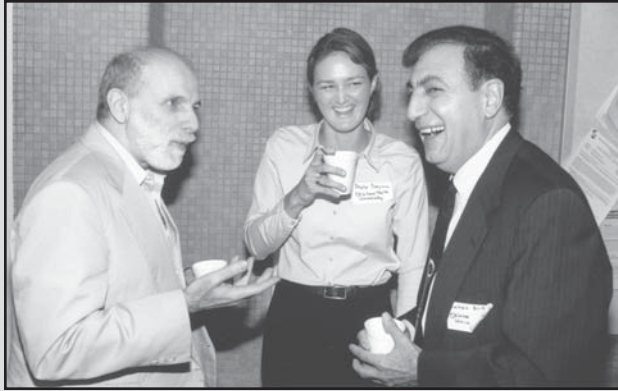
The University of Texas established an Environmental Science Institute in October 2000. The goal of the institute is to engender cross-disciplinary research and teaching in the environmental sciences. The idea for starting such an institute at UT grew out of the realization of the growing environmental issues that we face on local and global scales, and the recognition that addressing these issues requires collaboration by scientists with expertise that cross the boundaries of traditional academic departments. While UT has many faculty and research scientists working on environmental science problems, there has up until now been no infrastructure to facilitate such collaboration. The goals of the ESI are closely aligned with the new research direction that the Department of Geological Sciences is pursuing with some upcoming faculty hires.

Participating departments, schools, and research units in the ESI include Geological Sciences, the Institute for Geophysics, the Bureau of Economic Geology, Biological Sciences, Chemistry and Biochemistry, Geography, the School of Architecture, the LBJ School of Public Affairs, and several others. Jay Banner was appointed as the first director of the ESI, and Jay Famiglietti as the first associate director. Funding to establish the ESI has been provided by the Colleges of Natural Science and Liberal Arts, as well as the Offices of the Provost and Vice President for Research. It is expected that funding to support future environmental science research and teaching will come from local, state, and federal agencies, as well as from corporations and individuals.

Ten Working Groups have formed to bring together faculty and students with common research interests from different departments. These include groups focusing on Water Resources of Texas, Climate Change, Microbial Ecology, Borderlands and Latin America, Remote Sensing, and Effects of Urbanization. Several research symposia are being organized by these groups, including one upcoming on the Edwards aquifer and one on the Texas-Mexico borderlands. Degree programs at the undergraduate and graduate levels are being explored by two education Working Groups.

The ESI is also directing the recently established Outreach Lecture Series. This academic year, the monthly Outreach Lectures have continued to draw large audiences and have expanded to include speakers from other departments in Natural Sciences and Liberal Arts. Recent lectures on "Voyage to the Bottom of the Sea" (Hedy Edmonds), "When the Earth Quakes" (Randall Marrett), "Origins of the Universe" (Frank Bash), "Tracking Tornadoes" (Troy Kimmel), "Sexual Selection" (Mike Ryan), and "Unique and Endangered Animals of Central Texas" (David Hillis) were a hit with K-12 teachers, students, and the general public. Tim Rowe reprised his "What Happened to the Dinosaurs?" lecture for those who could not squeeze into the auditorium the first time he presented it at the start of the Lecture Series.

More information on the Environmental Science Institute can be found on the Web at www.geo.utexas.edu/esi.



TOP: (LEFT TO RIGHT) PETER ORTOLEVA, PROFESSOR AT INDIANA UNIVERSITY, PHEBE DEYHIM, GRADUATE STUDENT AT OKLAHOMA STATE UNIVERSITY, AND ZUHAIR AL-SHAIEB, PROFESSOR AT OKLAHOMA STATE UNIVERSITY, DURING DECEMBER 2000 SYMPOSIUM.

MIDDLE: ROY LUCK (LEFT), GRADUATE STUDENT, AND ROBERT TATHAM (RIGHT), PROFESSOR, BOTH IN THE DEPARTMENT OF GEOLOGICAL SCIENCES AT UT AUSTIN DURING DECEMBER 2000 SYMPOSIUM.

BOTTOM: DANIEL TETZLAFF (LEFT), SENIOR STAFF SCIENTIST WITH BAKER HUGHES, AND GERRY GILBERT (RIGHT), MEMBER OF THE GEOLOGY FOUNDATION ADVISORY COUNCIL VISIT DURING DECEMBER 2000 SYMPOSIUM.

Exploration Geophysics Initiative— 2001 Update

by Robert H. Tatham

The momentum continues to grow as laboratories open and new faculty, students, and industry sponsors join the program

The “Exploration Geophysics Initiative,” established by the Geology Foundation in 1999, continues to gain momentum and “traditions” are beginning to emerge. The fall 1999 symposium, focused on “The Future of Exploration Geophysics: Meeting the Needs of Industry and Academia,” defined the direction for the UT Forum for Exploration and Development Geophysics Education and Research (the UT EDGER Forum), and new industry sponsors are joining the program. This symposium was followed by a focused scientific symposium in December of 2000. The theme of the latest symposium was “Seismic Estimation of Reservoir Seals,” with a dozen companies, four units of UT, and two other major universities participating. The results of this symposium defined a research direction for a Ph.D. student and, it is hoped, will establish a succession of research directions for numerous graduate students addressing the topic of reservoir seals. Estimation of the presence of reservoir seals is a major current problem in exploration geophysics. This



(LEFT TO RIGHT) DEAN OF COLLEGE OF NATURAL SCIENCES MARY ANN RANKIN, PROFESSOR ROBERT TATHAM, AND CHAIRMAN GARY KOCUREK OF THE DEPARTMENT OF GEOLOGICAL SCIENCES DURING DECEMBER 2000 SYMPOSIUM.

two-day fall symposium focused on a single scientific topic of how exploration geophysics could well become an annual “tradition” within the Exploration Geophysics Program.

One objective of the Exploration Geophysics Initiative was to add two new faculty members with an academic concentration on exploration geophysics to the Department of Geological Sciences. Dr. Robert H. Tatham joined the faculty in the fall of 1999, and Dr. Robert J. Ferguson is joining the faculty in the fall of 2001.

Dr. Tatham had the opportunity to expand the recognition of Exploration Geophysics at UT when he served as the spring 2001 Distinguished Lecturer of the Society of Exploration Geophysicists. He delivered his lecture, “Breaking Down Barriers to Effective Use of Multicomponent Seismic Data,” to seven professional geophysical societies and nine universities throughout North America.

Dr. Ferguson completed his Ph.D. in 2000 at the University of Calgary and worked for nearly two years with Chevron in San Ramon, California. He complements the present geophysical faculty in terms of background and experience, and he will have a major impact on the Exploration Geophysics Program.

The growth in and recognition of the exploration geophysics faculty will support recruitment of additional graduate students. The fall of 2000 saw three new graduate students with a declared focus on Exploration Geophysics. Two more graduate students are slated to join us in the fall of 2001, bringing a total of seven current graduate students in Exploration Geophysics in the Department of Geological Sciences. This is in addition to numerous graduate students studying geophysics at the UT Institute for Geophysics and the Bureau of Economic Geology.

One incentive for new graduate students is the attractive Exploration Geophysics Fellowship, which is supported by an endowment in the Geology Foundation. The student who received the Fellowship for the 2000-2001 academic year was Jason Gumble. Jason is a graduate of the Colorado School of Mines with a B.S. in Geophysical Engineering. The student to receive the Fellowship for the 2001-2002 academic year is Matthew Morris, who received a B.S. in Geophysics from the University of Missouri, Rolla.

One measure of the attraction of the Exploration Geophysics Program is the interest expressed by Norwegian students studying at UT as part of a joint program with the Technical University of Norway in Trondheim. In addition to the half dozen Norwegian students taking undergraduate courses in Exploration Geophysics at UT, one student spent a semester in residence in the UT Exploration Geophysics Program working on an honors B.S. thesis. Her advisor was in Norway, co-advised by Dr. Tatham at UT and working on interpreting a multicomponent 3-D seismic data set provided by the Colorado School of Mines. This kind of cooperative effort demonstrates the universal acceptance of the UT Exploration Geophysics Program.

The EDGER Forum evolved from industry input to the 1999 fall symposium. Industry support for this forum is being used to recruit

and educate students who will ultimately enter the petroleum industry. Organized and administered like many university research consortia, the Forum differs in the emphasis on students who will be employable by industry and the open Forum—including the annual fall scientific symposium—to allow exchanges between industry and academia and to encourage interaction between UT students and industry and other academic institutions.

One very tangible event during the past year was the opening of the 3-D Seismic Interpretation Laboratory. The first formal class utilizing the lab was offered in the fall term of 2000. The laboratory consists of six dual-monitor Silicon Graphics Incorporated workstations attached to a high-speed storage area network. The center of this local network—operating at speeds an order of magnitude greater than a high-speed Ethernet—is a bank of disk drives that can accommodate a large number of 3-D seismic data volumes. The present configuration includes 0.6 terabytes of disk storage, with plans to accommodate 2.0 terabytes of storage. Software donated by commercial providers includes the Landmark and GeoQuest interpretive packages, the ProMax processing package, and Jason Workbench and Green Mountain 3-D Survey acquisition planning packages. The commercial value of these software packages is many millions of dollars.

A crucial aspect of a computer-based laboratory is a full-time systems administrator to ensure that the computers and applications software continue to operate with no problems. Our systems are maintained by a full-time computer science graduate who continuously interacts with the students, TA's, and faculty utilizing the laboratory as well as with software and hardware vendors supporting the facility.

We anticipate that the 3-D seismic interpretation laboratory will be used by students other than those majoring in Exploration



ROBERT TATHAM (LEFT) AND JOHN RIOLA (RIGHT), SENIOR SCIENTIST FROM TEXACO, INC., VISIT AT DECEMBER 2000 SYMPOSIUM.

Geophysics—in fact, all the soft-rock geologists will undoubtedly find themselves in front of a workstation examining 3-D seismic data on numerous occasions in their career. We welcome all these students, as well as petroleum engineering students, to include these facilities as part of their educational opportunities at UT.

Petroleum industry personnel are continuously participating in the Exploration Geophysics Initiative. A course in Acquisition of Seismic Data was offered during the spring 2001 term by an industry expert who was party chief of one of the first 3-D land crews and specified a complete seismic vessel from scratch. Further, graduate students commonly take on summer internships within the industry.

The momentum surrounding all these activities in the Exploration Geophysics Initiative could lead to something much larger, such as a full-scale “Education Center of Excellence in Exploration Geophysics” here at The University of Texas at Austin. As students graduate and enter careers in Exploration Geophysics, we will continue to see the impact of the vision of the Geology Foundation in establishing the Exploration Geophysics Initiative.

UT in the United Kingdom

by Jack Sharp



TOP: BEATRIZ GARCIA-FRESCA CHECKS THE BROAD STREET WELL.

TOP RIGHT: UT STUDENTS IN URBAN HYDROGEOLOGY FIELD GEAR AT HEATHROW AIRPORT. LEFT TO RIGHT ARE DAN KRAUSE, CHRISTINE FOX, JASON KROTHER, RYAN PARKS, AND AARON BERG.

LOWER RIGHT: PROFESSOR JOHN MATHER DEMONSTRATES A WELL-BAILING TECHNIQUE IN LONDON. LEFT TO RIGHT ARE CHRISTINE FOX, JOHN MATHER, AARON BERG, AND THE DRIVER, KEITH STEPHENS.

PHOTOS PROVIDED BY JACK SHARP.

Jack Sharp's seminar course, Urban Hydrogeology, studied the effects of urbanization on hydrogeology and vice versa. The highlight of the course was a weeklong field trip to the United Kingdom. Sharp's AT&T Industrial Ecology Fellowship, the Geology Foundation, and the National Science Foundation subsidized portions of the field trip. The group assembled Sunday night, March 25, 2001, at the campus of Royal Holloway College of the University of London, where John Mather served (until this past summer)

as the Lyell Professor of Geology. John had twice before visited UT. For most of the trip, they stayed in the dorms at Royal Holloway. The formal portion of the trip concluded on Friday, March 30.

The first day concentrated on problems associated with disposal of de-icing fluids at Heathrow Airport and on efforts to reclaim contaminated lands in the greater London area. The second day, led by Willie Burgess of the University of London, covered the hydrogeology problems of central London. This included

a visit to the John Snow pub. Dr. Snow is remembered for his solution to a 19th century cholera epidemic, "take the handle off the Broad Street pump." Rising groundwater levels were measured under Trafalgar Square (near the Texas Embassy, which is a high-priced restaurant). The New (17th century) River and the Thames River Authority sites showed old and new methods for solving water supply problems. The highlight of the London portion of the field trip was the tube when at 1:00 a.m. the following morning, they descended into the tube and walked under the Thames in Brunell's original tunnel. Here microgrouting was explained, and they observed leachate from an early 20th century coal gasification plant entering the subway.

Other sites visited were the magnificent Papplewick steam-powered pumping station, Oxford University, and the British Geological Survey, where fruitful discussions were had on their programs in urban hydrogeology, which they commenced over a decade ago. A full day was allotted at Nottingham, where they examined anthropogenic alterations to the subsurface and the models of contaminant plume migration. They did not see the Sheriff, but they did lunch at what might be England's oldest pub, Ye Olde Trip to Jerusalem.



Gulf Coast Association of Geological Societies (GCAGS) Establishes Don R. Boyd Medal

TOP: (LEFT TO RIGHT) MICHAEL BOYD, BETTY CHASTAIN, (DON BOYD'S SISTER), PATRICIA BOYD, DAVID BOYD, AND MELISSA BOYD JOHNSON, DON'S SONS, WIFE, AND DAUGHTER, AT THE GULF COAST ASSOCIATION OF GEOLOGICAL SOCIETIES MEETING IN CORPUS CHRISTI, TEXAS, AS SOCIETY PRESENTS THE DON R. BOYD MEDAL FOR EXCELLENCE IN GULF COAST GEOLOGY TO PATRICIA BOYD ON APRIL 18, 2001.

PHOTO PROVIDED BY OWEN R. HOPKINS.



LOWER LEFT: DR. ORVILLE ROGER BERG, CURRENT GCAGS PRESIDENT (LEFT), AND PATRICIA BOYD, DON'S WIFE (RIGHT), WITH THE NEWLY ESTABLISHED DON R. BOYD MEDAL FOR EXCELLENCE IN GULF COAST GEOLOGY.

PHOTO PROVIDED BY OWEN R. HOPKINS.

LOWER RIGHT: DON R. BOYD MEDAL FOR EXCELLENCE IN GULF COAST GEOLOGY.

The Gulf Coast Association of Geological Societies honored Geology Foundation Advisory Council Honorary Life Member Don R. Boyd in establishing a new Medal that carries his name. Don was also named the first recipient of the Boyd Medal at the GCAGS annual meeting in Houston, Texas, in October 2000.

The Don R. Boyd Medal for Excellence in Gulf Coast Geology

will henceforth be awarded for excellence in Gulf Coast research, professional leadership, and oil and gas exploration. The Medal becomes the highest honor bestowed by GCAGS, with no more than one award made yearly. A future recipient must be recognized in at least two of the three criteria listed for consideration.

A group of nine people signing the letter proposing the award said

that the Boyd Medal "would not only honor one of the very best among us, but also bring credit to the GCAGS to which Don has been thoroughly committed."

Don was informed of the creation of the Medal in his name and his receipt of the Medal by GCAGS President Jeffrey Lund during the October meeting prior to Don's death in December 2000.

Boyer and Jackson Inducted into College of Natural Sciences Hall of Honor



ROBERT E. BOYER

JOHN A. JACKSON

Robert E. Boyer of Austin and John A. Jackson of Dallas, Texas, both Honorary Life Members of the Geology Foundation Advisory Council, were named to the College of Natural Sciences Hall of Honor on February 22, 2001.

Bob Boyer came to The University in 1957 and retired at the beginning of 2000. He particularly enjoyed working with students in the field and developed earth science educational material for secondary school teachers and their students. In 1971, Dr. Boyer was named Chairman of the Department of Geological Sciences, serving in that capacity until 1980. During that time, he was also Director of the Geology Foundation, which celebrated its 25th anniversary during his tenure.

Boyer was appointed Dean of the College of Natural Sciences in 1980 by then-President Peter T. Flawn. He served as Dean until 1994, when he returned to the Department of Geological Sciences as the Peter T. Flawn Centennial Chair in Geological Sciences. During his tenure as Dean,

substantial program development occurred, including rapid growth in computer sciences and the emergence of a molecular biology program. He also established the Natural Sciences Foundation Advisory Council modeled on the Geology Foundation.

Bob Boyer has served his profession by holding offices in several geological societies, and he has received numerous awards for his achievements. The Robert E. Boyer Chair in Natural Sciences, held by the Dean of the College, was established and

named in his honor.

John A. Jackson was cited for his accomplishments as a geologist, businessman, and philanthropist. Jack worked in the oil fields in the 1930's before attending Temple Junior College, where he met Katie Graeter, whom he was to marry in June 1941. In 1938, Jack transferred to the University of Texas, Austin, where he received a B.A. degree in geology with double minors in mathematics and anthropology in 1940. While a student, he was a major contributor to UT Austin's championship baseball and softball teams.

Following graduation, Mr. Jackson worked for ArkLa Gas Company in Shreveport, Louisiana. He joined the U.S. Navy shortly after Pearl Harbor and was assigned to work with the U.S. Geological Survey in the Arkansas bauxite fields, helping meet the nation's critical need for aluminum. After the War, he became an independent geological consultant and later, having formed a partnership with Ellison Miles, discovered the large Boonsville Field using geological concepts he developed in the

bauxite fields during the War. The Boonsville Field proved to be a major source of natural gas, as it is today, almost 50 years after discovery. Jack formed his own company, Katie Petroleum, in honor of his wife. Since 1960, he has focused his professional energies on oil management, real estate, investments, and philanthropy.

Jack Jackson, together with his wife, has been extraordinarily generous in supporting UT Austin and many other worthy institutions. At UT Austin, the Jacksons recently made a major gift to expand the Geological Sciences Building, which will be named in their honor. Jack has consistently supported the Geology Foundation, where he has been a member of the Advisory Council since 1975.

Among other contributions, he and Katie established the John A. and Katherine G. Jackson Centennial Teaching Fellowship in Geological Sciences, the John A. and Katherine G. Jackson Fellowship in Geohydrology, and the John A. and Katherine G. Jackson Exploration Geophysics Fund.

In being named to the College of Natural Sciences Hall of Honor, Jack Jackson and Bob Boyer join previous geologists Tom Barrow, John Bookout, Jim Bob Moffett, Peter Flawn, Joe Walter, Bill Gipson, Roland Blumberg, and Don Boyd as members of the Hall of Honor. All except Roland are current or former members of the Geology Foundation Advisory Council.

Peter T. Flawn Receives the Santa Rita Award



PETER T. FLAWN

PHOTO PROVIDED BY MARSHA MILLER.

Peter T. Flawn, Honorary Life Member of the Geology Foundation Advisory Council, received the Santa Rita Award in October 2000. The Award is the highest bestowed by the Board of Regents of The University of Texas System, and Dr. Flawn is only one of two university members so awarded. The Award is given on an occasional basis and recognizes concern for the principles of higher education, commitment to the furtherance of the purposes and objectives of The University System, a record of commitment to securing both public and private financial support, and a demonstrated record of participation in the affairs of The System.

Peter Flawn served as President of The University of Texas at San Antonio from 1973 to 1977 and twice as President of UT Austin from 1979 to 1985 and from 1997 to 1998. He is President Emeritus and Leonidas T. Barrow Chair Emeritus. Peter has also received the Cross Medal from Yale, the Campbell Medal from the American Geological Institute, and the Parker Medal from the American Institute of Professional Geologists. He is a member of the National Academy of Engineering.

Professors Backus, Fisher, Folk, and Wilson Receive Medals

Milo M. Backus Receives Hedberg Medal

In September 2000, Milo M. Backus received the Hollis D. Hedberg Medal in Energy from the Institute for the Study of Earth and Man in Dallas, Texas. Dr. Backus was recognized for his pioneering work in the critically important area of 3-D seismic acquisition and processing.

Milo joined the Department of Geological Sciences in 1975 as the Wallace E. Pratt Professor of Geophysics. Previously he had been an independent geophysical consultant and Vice President of GSI in Dallas. He retired from The University in 1998 as the Shell Companies Foundation Distinguished Chair in Geophysics. Milo was past President of the Society of Exploration Geophysicists, from which he received the Maurice Ewing Medal in 1990.

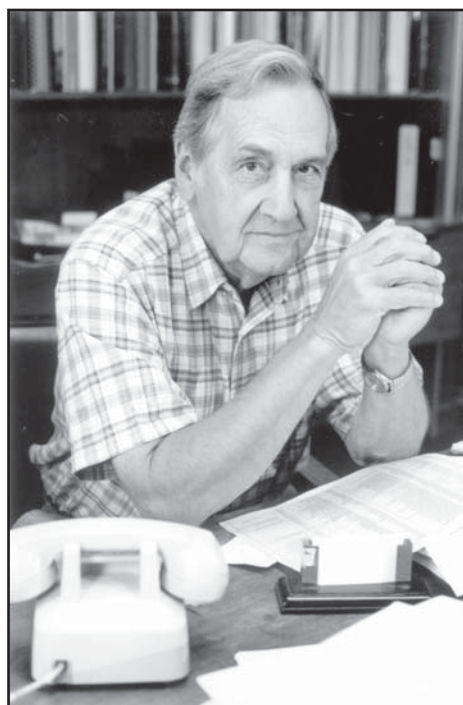


MILO M. BACKUS

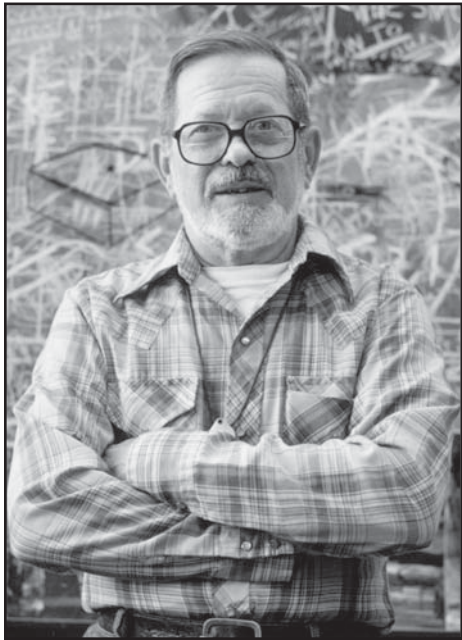
William L. Fisher Receives Twenhofel Medal

At the 75th Diamond Jubilee Meeting of the SEPM (Society for Sedimentary Geology) in June 2001, in Denver, Colorado, William L. Fisher received the Twenhofel Medal for Excellence in Sedimentary Geology. It is the Society's highest award and is given for outstanding contributions and sustained excellence in sedimentary geology. Bill joined the Bureau of Economic Geology as a Research Scientist in 1960 and the Department as Professor in 1969. He currently serves as the Leonidas T. Barrow Centennial Chair in Mineral Resources.

Dr. Fisher previously received the Powers Medal from the American Association of Petroleum Geologists, the Campbell Medal from the American Geological Institute, the Parker Medal from the American Institute of Professional Geologists, and the Hedberg Medal from the Institute for the Study of Earth and Man.



WILLIAM L. FISHER

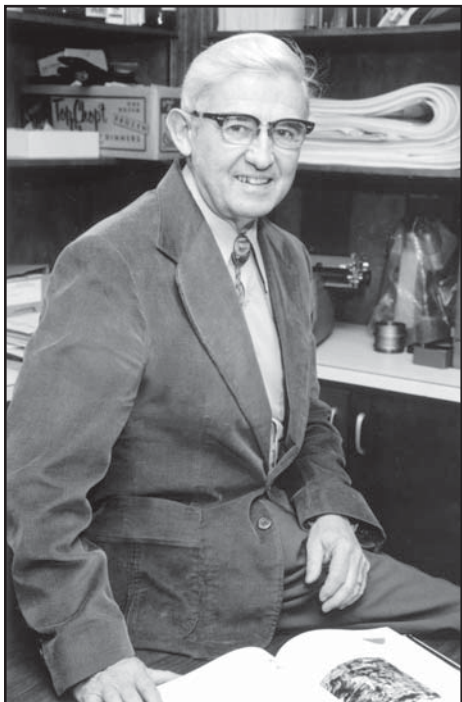


ROBERT L. FOLK

Robert L. Folk Receives Penrose Medal

At the annual meeting of the Geological Society of America in Reno, Nevada, in October 2000, Robert L. Folk was awarded the Penrose Medal, the Society's highest award. The Penrose is awarded to individuals for basic contributions to pure geology. Bob Folk joined the faculty in 1952 and served as one of the Department's most effective teachers and one of its most distinguished researchers. Early on, Bob's research concentrated on carbonates, but through the years his interests have ranged through a variety of topics to his current work with nannobacteria. Bob retired (from official teaching duties) in 1988 as the Dave P. Carlton Centennial Professor in Geology.

Dr. Folk has previously received the Twenhofel Medal from SEPM (Society for Sedimentary Geology) and the Sorby Medal from the International Association of Sedimentologists.



JOHN A. WILSON

John A. Wilson Receives 2000 Romer-Simpson Medal

In October 2000 at its annual meeting in Mexico City, the Society for Vertebrate Paleontology awarded John A. Wilson, Professor Emeritus of Geological Sciences, the A. S. Romer-G. G. Simpson Medal. It is the Society's highest award and was presented to Jack for his research in early Tertiary vertebrate fauna and for his other contributions to stratigraphy and paleontology.

Jack came to the Department in 1946 and retired in 1977. His career as a teacher and researcher with special interest in vertebrate paleontology has been distinguished. As a member of numerous professional societies, he served in various elected offices and on many committees. For several years he chaired the committee for the revision of the time and time-stratigraphic portion of the American Commission of Stratigraphic Nomenclature stratigraphic code.

Jack organized the Vertebrate Paleontology Lab at UT, serving as its first Director from 1949 to 1970.

James N. Connelly Receives Knebel Award

by Timothy Rowe

If there is one faculty member in the Department that virtually every student knows and admires, it is Jim Connelly. Jim is this year's winner of the G. Moses and Carolyn G. Knebel Distinguished Teaching Award. This award is made on the basis of a vote by the Department's student body. Because it directly reflects the sentiments of



JAMES N. CONNELLY

our students, the faculty tend to view the Knebel Award as the most coveted and meaningful recognition that the Department can offer.

Jim's selection this year was hardly surprising because anyone will tell you that he has been omnipresent in the Department. He has participated in everything from teaching one of our largest and most popular undergraduate courses, to managing a large group of graduate students, to being a leader in the Department with new technologies, and to assisting the Chairman in the full scope of administrative duties that keep the Department running.

On any given morning, you are likely to see Jim standing on the third floor outside the Walter Geology Library talking to a large flock of undergraduates about glaciers, metamorphism, or some other topic from his course on Physical Geology. This introductory course is one of the Department's largest and most popular courses taken by geology majors. An hour later he will be

on the first floor in an undergraduate lab explaining a problem in how to read geological maps. Students' eyes sparkle when they talk about him. "The guy is awesome. He's always available, and he is exciting to talk to!" one undergraduate remarked. Another explained, "I hated science until I took this course. Now I'm going to be a geologist like Professor Connelly. He changed my life."

At lunch, you may find Jim on the fourth floor in the graduate lounge talking over research projects with some of his graduate students. One of his students is working on neoproterozoic sequences in Antarctica's Shackleton Mountains, while another is studying the timing and nature of deformation in the Heimefrontfjella Range of that same continent. Another of his students may be sitting near by, fiddling with a Geographic Information Systems device as she prepares for her next trip to Chile, where she studies the tectonic history of the Arequipa-Antofalla Terrane. Another student is looking at hand samples

from West Greenland, and another is preparing to go into the field in Sweden. Anyone with a taste for romantic and exotic places will envy Jim's globe-trotting graduate students.

In the afternoon, you might find Jim in the basement, wearing a white lab coat and hauling a round a piece of equipment that he is upgrading or repairing for his state-of-the-art U-Pb geochronology lab. The lab includes a thermal ionization mass spectrometer and a clean room, and it is capable of precise analyses of single zircon crystals. It is one of the finest facilities in the world, and Jim uses it for both his own research and to train graduate students in this rapidly developing field.

As the afternoon wears on, you can find Jim talking with other faculty about the summer's upcoming Field Camp or discussing a research project involving Martian meteorites. He will probably make at least one trip to the Chairman's office to help to untangle an administrative problem, or you might find him re-outfitting an undergraduate lab with new microscopes and specimen cabinets.

Jim joined the Department in 1994. Since then, everyone from our undergraduates to our faculty has been touched and helped by his tireless efforts. And our students showed their appreciation this year by choosing Jim as this year's Knebel Teaching Award recipient.

Congratulations!

In Memoriam: Don R. Boyd

Honorary Life Member Don R. Boyd passed away on December 20, 2000, at his home in Corpus Christi, Texas, after a courageous 16-year battle with cancer. A geologist, rancher, devoted husband, and adoring father and grandfather, Don was loved and admired for both the way he lived and the way he bravely fought his illness. His life reflected his deep love of the land, his family, his church, and his profession, and he will be missed by everyone who had the privilege to know him.

Born October 15, 1934, in Tyler, Don attended Tyler Junior College and graduated from The University of Texas at Austin in 1958 with a B.S. in Geology. He also earned an M.S. degree in Geology from Louisiana State University. He began his distinguished career as a geologist with Pan American Petroleum and later joined Texas Eastern. In 1966, he became an independent petroleum geologist and continued his work in petroleum exploration and production. Don was the author of numerous publications on the geology of the Gulf Coast Basin, including two classic and often-cited papers. He was a past President and an Honorary Member of both the Corpus Christi Geological Society and the Gulf Coast Association of Geological Societies (GCAGS).

In October 2000, the GCAGS honored Don with a newly established Medal that will carry his name. The Don R. Boyd Medal for Excellence in Gulf Coast Geology will be awarded for excellence in research, professional leadership, and oil and gas exploration. The Medal becomes the highest honor bestowed by GCAGS, reflecting Don's unparalleled commitment to excellence in petroleum geology.

Don held many positions with the American Association of Petroleum Geologists. He received the Association's Distinguished Service Award in 1983 and was elected to Honorary Membership in 1989.

Don was an Honorary Life Member and three-time Chairman of the Geology Foundation Advisory Council. Along with his wife, Patricia, Don established the Don R. and Patricia Kidd Boyd Lectureship in Petroleum Exploration at UT Austin. He was honored as a Distinguished Graduate of the Department of Geological Sciences and received the College of Natural Sciences Hall of Honor Award. Don also served as a member of the Chancellor's Council, as a lifetime member of the President's Associates, and as a member of the Littlefield Society. Don was also a Charter Member of LSU's Geology Endowment Advisory Council.

A lifelong member of the United Methodist Church, Don was a member of St. John's United Methodist Church in Corpus Christi for more than 40 years. He served in numerous positions of church leadership including Chairman of St. John's Administrative Board and President of the St. John's Foundation.



DON R. BOYD
(1934-2000)

PHOTO PROVIDED BY PATRICIA BOYD.

Don Boyd's lifelong love of cattle and land grew into his favorite avocation. Don and Patricia purchased their first ranch when their children were young and established a long-time family presence in Goliad. He had a strong passion for conservation and the environment and taught his children and grandchildren, "To always leave things better than you found them."

Don is survived by his wife of 43 years, Patricia Kidd Boyd; their daughter Melissa Boyd Johnson, her husband Ken, their children, Andrew Boyd Johnson and Benjamin Lee Johnson of Houston; two sons, Michael Alan Boyd, his wife Kelly, their children Emily Patricia Boyd and Caroline Elizabeth Boyd of Houston and David Patrick Boyd, his wife Vivian, their children Emree Malone Weaver and Mallory Elise Weaver of Goliad; and his sister, Betty Chastain and her husband, J. W., of Fort Worth.

A celebration of Don's life was held on December 21, 2000, in Corpus Christi. He was buried the next day in Tyler. We will not see the likes of him for a long, long while, if ever.

In Memoriam: Katherine Elizabeth Graeter Jackson

Katherine (Katie) Jackson, wife of Geology Foundation Advisory Council Honorary Life Member John A. (Jack) Jackson, died March 10, 2001, in Dallas, Texas, of complications from pneumonia.

Mrs. Jackson was born January 23, 1918, in Temple. She attended Temple Junior College and graduated from Southwest Texas State Teachers College in San Marcos. She taught school in Marble Falls, Temple, and Alice. She married Jack Jackson in 1941, and the two became inseparable partners. She was the namesake of the Jacksons' primary business, the Katie Petroleum Company, and also the Dallas Press Club's Katie Awards. Mrs. Jackson served on the Board of Regents at Texas Lutheran College for 20 years and was also a Trustee of Dallas Presbyterian Hospital.

Mr. and Mrs. Jackson have been long-time, generous supporters of geology at The University of Texas at Austin. In October 2000, they donated \$15 million to The University to expand the current Geology Building housing the Department of Geological Sciences. The newly enlarged building will be named the John A. and Katherine G. Jackson Geological Sciences Building. In July 2001, President Larry Faulkner announced that The University of Texas System Board of Regents had approved creation of a new School of Geosciences, named in honor of Mr. and Mrs. Jackson. Mr. Jackson provided an endowment of \$25 million to support the new John A. and Katherine G. Jackson School of Geosciences. The Jacksons have previously established the John A. and Katherine G. Jackson Centennial Teaching Fellowship in Geological Sciences, the John A. and Katherine G. Jackson Fellowship in Geohydrology, and the John A. and Katherine G. Jackson Exploration Geophysics Fund within the Geology Foundation.

Mrs. Jackson is survived by her husband, John A. Jackson, of Dallas, and her sister-in-law, Anna Louise Graeter, of Temple. She was buried in Dallas on March 15, 2001.



KATHERINE ELIZABETH GRAETER JACKSON
(1918-2001)

In Memoriam: John Landrum Loftis, Jr.

John Landrum Loftis, Jr. passed away August 13, 2000, at the age of 84. Mr. Loftis was born January 28, 1916, in Deming, New Mexico, and grew up in Abilene, Texas. He received a B.S. in Geology from the University of Texas, Austin, in 1940. Upon graduation, he joined Humble Oil & Refining Company as a member of a seismic crew.

During World War II, he served as an officer in the Air Force, returning to the company's Exploration Department in 1946 as a Research Geologist in Houston, Texas. Since that time, John worked in positions of increasing importance as a geologist and executive of Humble and its successor, Exxon Company U.S.A., including Assistant Chief Geologist, Exploration Manager of the Southwest Region, General Manager of the Central Region, Operations Manager in the Headquarters Exploration Department, and Senior Vice President and Member of the Board of Directors. He retired in February 1981.

John was a member of the Geology Foundation Advisory Council from 1970 to 1980, at which time he was elected an Honorary Life Member. He was Chairman of the Council in 1974.

John was always a kind man and a friend to many. He is survived by his wife, Teddine; his three children, John III and wife Nancy Loftis of Durango, Colorado, Vincent and wife Gail Loftis of Midland, Texas, and Joy Harwell of New Waverly, Texas. He is also survived by his grandchildren, John IV, Sarah, Jordan, Jennifer, Mike, Adam, and Lee; his great-grandchildren Grace and Emily; his nephew Charles; and his great-nephews Charlie, Paul, and Mike.



JOHN LANDRUM LOFTIS, JR.
(1916-2000)

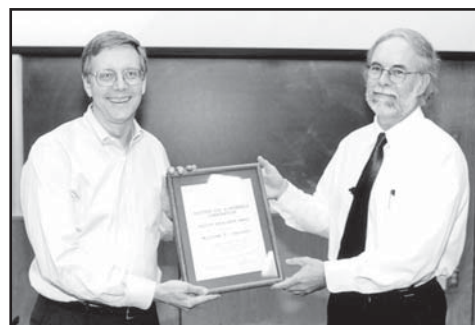
PHOTO PROVIDED BY TEDDINE LOFTIS.

Faculty Awards and Honors

During 2000-2001, several Department of Geological Sciences faculty members and faculty emeriti received recognition, awards, and honors:

Milo M. Backus, Professor and Shell Companies Foundation Distinguished Chair Emeritus in Geophysics, received the 2000 Hollis D. Hedberg Medal in Energy from the Institute for the Study of Earth and Man at Southern Methodist University. This honor is presented annually

by ISEM to individuals who have made exceptional contributions to understanding the earth and its resources. The Medal pays tribute to the distinguished career of the late Hollis D. Hedberg, a geologist who made substantial contributions in such areas as paleontology, sedimentology, geophysics, the geology of source rocks, hydrocarbon exploration, and the history of geology. The Hedberg Medal was presented to Milo on September 30, 2000, in Dallas, Texas.



BILL CARLSON (LEFT) AND GARY KOCUREK, CHAIRMAN OF THE DEPARTMENT (RIGHT), AFTER GARY PRESENTED BILL THE HOUSTON OIL & MINERALS CORPORATION FACULTY EXCELLENCE AWARD AT THE DEPARTMENT AWARDS CEREMONY ON MAY 3, 2001.

Christopher J. Bell, Assistant Professor and John A. Wilson Fellow in Vertebrate Paleontology, will be awarded the Dad's Association Centennial Teaching Fellowship for fall 2001 for his excellence in teaching.

Robert E. Boyer, Professor, Peter T. Flawn Centennial Chair in Geology, and an Honorary Life Member of the Geology Foundation Advisory Council, was inducted into the College of Natural Sciences Hall of Honor.

William D. Carlson, Professor and Peter T. Flawn Centennial Chair in Geology, received the Houston Oil & Minerals Corporation Faculty Excellence Award at the Department of Geological Sciences Awards Program on May 3, 2001. This award is made to recognize faculty excellence in any area, including administration, organized instruction, student supervision, and research. The winner is selected by the Faculty Review Committee on the basis of nominations from faculty and students. Bill received a plaque at the ceremony and is the recipient of a \$2,000 monetary award from the Geology Foundation.

James N. Connelly received the G. Moses and Carolyn G. Knebel Distinguished Teaching Award. This award carries a \$1,500 monetary award from the Geology Foundation, is made for outstanding teaching, is decided by vote of graduate students and undergraduate majors, and is presented at the Department of Geological Sciences Awards Program, which this year was held on May 3, 2001. Jim was presented with a plaque at the ceremony. Jim is the William T. Stokes Centennial Teaching Fellow in Geological Sciences and is the Assistant Chairman of the Department.

Professor and UTIG Associate Director **Ian W. D. Dalziel** was

the guest of honor at the opening of The Science Place's TI Founders IMAX Theater in Dallas in February 2001. The theater showed the regional premier of the IMAX film, *Shackleton's Antarctic Adventure*. Ian was invited because of his superior scientific accomplishments based on three decades of research in Antarctica.

William L. Fisher, Professor, Leonidas T. Barrow Centennial Chair in Mineral Resources, and Director of the Geology Foundation, received the Society for Sedimentary Geology (SEPM) Twenhofel Medal, the highest award of SEPM in recognition of outstanding contributions and sustained excellence in sedimentary geology. Bill received this honor at the SEPM President's reception and awards ceremony on June 5, 2001, in Denver, Colorado.

Robert L. Folk, Dave P. Carlton Centennial Professor Emeritus in Geology, received the Geological Society of America's Penrose Medal for 2000, the highest honor of the Society. The Medal presentation was made at the GSA annual meeting during the Presidential Address and Awards Ceremony in Reno, Nevada, in October 2000.

Stephen P. Grand, Professor and Dave P. Carlton Centennial Professor in Geophysics, received the College of Natural Sciences Teaching Award at the awards banquet on May 11, 2001. The award included a plaque and a \$500 monetary award. One professor from each Department is selected on recommendation by the Department.

Leon E. Long, Professor and The Second Mr. and Mrs. Charles E. Yager Professor, will receive the Chancellor's Council Outstanding Teaching Award for the



JIM CONNELLY (LEFT) AND GARY KOCUREK (RIGHT) DURING DEPARTMENT AWARDS CEREMONY ON MAY 3, 2001, WHERE JIM RECEIVED THE G. MOSES AND CAROLYN G. KNEBEL DISTINGUISHED TEACHING AWARD.

2001-2002 academic year for his excellence in teaching.

Robert H. Tatham, Professor and Shell Companies Foundation Centennial Chair in Geophysics, had the opportunity to expand the recognition of Exploration Geophysics at UT when he served as the spring 2001 Distinguished Lecturer of the Society of Exploration Geophysicists. He delivered his lecture, "Breaking Down Barriers to Effective Use of Multicomponent Seismic Data," to seven professional geophysical societies and nine universities throughout North America.

John A. Wilson received the A. S. Romer-G. G. Simpson Medal from the Society of Vertebrate Paleontology, the highest honor of the Society, at their annual meeting on October 28, 2000, in Mexico City. He received the Medal for sustained and outstanding scholarly excellence and services to the discipline of Vertebrate Paleontology. Dr. Wilson is a former Director of the Vertebrate Paleontology Lab.

Staff Awards and Honors

Kathryn A. Manser, Research Scientist Associate I, received the Distinguished Service Award at the Department Awards Ceremony on May 3, 2001. The ceremony was held in GEO 100. The award is made by the Department of Geological Sciences and is for the most outstanding contribution to the operations of the Department or Department facilities during the academic year. The winner is selected by the Faculty Review committee on the basis of nominating letters from the faculty, staff, and students. Congratulations to Kathy on receiving this well-deserved award.

Jeffrey A. Newberry, Library Assistant II, and **Rebecca E. Romanchuk**, Library Assistant I, in the General Libraries on campus both received the Thelma Lynn Guion Geology Library Staff Award. This award is made to recognize excellent performance by staff members of the Joseph C. Walter, Jr. and Elizabeth C. Walter Geology Library. Congratulations to these two individuals on a job well done.

In addition, we want to offer our heartiest congratulations to **Dennis R. Trombatore**, who received an Employee Excellence Award at the Staff Recognition Program on May 2, 2001. The winners were selected by a UT staff committee on the basis of outstanding contributions to the continuing success of The University. Dennis was one of 30 chosen from 730 nominations. Nominations are for non-teaching employees only. Dennis was presented with a certificate and an honorarium of \$1,000. Good work, Dennis. We are very proud of you.

TOP: KATHRYN MANSER (LEFT) WITH CHAIRMAN KOCUREK (RIGHT) AT THE DEPARTMENT'S AWARDS CEREMONY ON MAY 3, 2001, WHERE KATHY RECEIVED THE DEPARTMENT'S DISTINGUISHED SERVICE AWARD.

TOP MIDDLE: DENNIS TROMBATORE (CENTER) PRESENTED JEFF NEWBERRY (LEFT) AND REBECCA ROMANCHUK (RIGHT) THE THELMA LYNN GUION GEOLOGY LIBRARY STAFF AWARDS DURING THE DEPARTMENT'S AWARDS CEREMONY ON MAY 3, 2001.

LOWER MIDDLE: JOHN READY (LEFT) AND GARY KOCUREK (RIGHT). JOHN RECEIVED AN AWARD FOR 10 YEARS OF UT SERVICE IN MAY 2001.

BELOW: DENNIS TROMBATORE (LEFT) AND GARY KOCUREK (RIGHT). DENNIS RECEIVED A UT EMPLOYEE EXCELLENCE AWARD IN MAY 2001.



We also want to offer our congratulations to the following staff who received The University of Texas at Austin Service Awards for years of UT service:

John R. Ready, Senior Procurement Officer, for 10 years of service

Dennis R. Trombatore, Professional Librarian, for 15 years of service.

These individuals were recognized at the 40th Annual UT Staff Recognition Program held at the Erwin Center on May 2, 2001. Each awardee received a certificate for the number of years of their service.

Staff Retirements

Betty Kurtz Retires

On Wednesday, August 23, 2000, a retirement party was held for Betty Kurtz. With this came the end of an era comprising 31 years of loyal and faithful service to the Department. Betty began her work as a half-time Secretary to a few faculty members in April, 1969. It wasn't long before her capable handling of her duties brought promotions and many raises in salary. It's difficult to summarize how much Betty meant to the Department because she touched so many lives in so many ways and performed such a myriad of duties for such a long time. We all remember her capable handling of her "job," but she went far beyond just doing her job. She babysat faculty's children, she helped our elderly faculty with their retirement and aging problems, she was concerned for those who were ill, and she listened with patience and understanding to the problems and triumphs of faculty, staff, and students. In fact, assisting students and being available to them rivaled her work with the faculty. When she was promoted to Administrative Assistant, Betty took on the duties of assisting the Field Camp Director and oversight of the administration of our field vehicle fleet. Betty received the first Departmental Distinguished Service Award in 1990 and the College of Natural Sciences Staff Excellence Award in 1995. Betty was a rare employee who was consistently ranked as a "superior" employee by her supervisors. It just doesn't seem the same without Betty in the Department, but we know she is enjoying her retirement.

Larry Reep Retires

Larry Reep began work at The University as a Scientific Instrument Maker II (Machinist) in the Center for Fusion Research on May 15, 1989. After two years, he transferred to the Department of Physics, where he



SHARON MOSHER (LEFT) AND BETTY KURTZ (RIGHT) AT THE RETIREMENT PARTY FOR BETTY ON AUGUST 23, 2001.

(LEFT TO RIGHT) LARRY REEP, JIM CONNELLY, WULF GOSE, EARLE MCBRIDE, AND GARY KOCUREK, AT LARRY'S RETIREMENT PARTY ON JANUARY 30, 2001.

PHOTO PROVIDED BY MARY KOCH.

worked for the next six years in the Physics Machine Shop. In April, 1995, he came to Geological Sciences as our Machinist.

The first thing Larry did was to completely revamp the Machine Shop, purchase new machines, rearrange the work space, and improve production. His ability to convert ideas and crude sketches on the backs of envelopes was amazing. Many of our research laboratories are filled with his creations and fabrications. Larry also took over the maintenance and oversight of our field vehicle fleet and kept the vehicles in excellent shape. It was a surprise to most when he announced his "early retirement" at the end of January 2001, to pursue his lifetime interest in car racing.

Endowed Lecturers



(LEFT TO RIGHT) LINDA BARNES, LARRY SEEMEN, ELIZABETH THOMPSON, WALTER ALVAREZ, LOUISE BARNES, VIRGIL BARNES II, AND HUGH THOMPSON AT THE INAUGURAL BARNES LECTURE BY WALTER ALVAREZ ON FEBRUARY 21, 2001, IN WELCH HALL.

Fall 2000

Allen F. Moench

U.S. Geological Survey
Menlo Park, California

Fred L. and Frances J. Oliver
Lectureship in Texas Hydrology
and Water Resources

November 2, 2000

“Lessons Learned from a Detailed
Analysis of a 72-Hour Pumping Test
Conducted in a Quasi-Homogeneous
Water-Table Aquifer”

November 3, 2000

“Fracture Skin: Prior Work and
Some Thoughts on the Subject”

Spring 2001

Walter Alvarez

University of California
at Berkeley
Berkeley, California
Virgil E. and Mildred L. Barnes
Distinguished Lecture Series
in Geology

February 21, 2001

“T. Rex and the Crater of Doom”

February 22, 2001

“The Effect of Impacts on Earth:
Shaking of Soft Sediments and
the Ballistics of Ejecta”

Richard T. Beaubouef

Exxon-Mobil Upstream
Research Company
Houston, Texas

Donald R. and Patricia Kidd Boyd
Lectureship in Petroleum
Exploration

March 5, 2001

“High Resolution Seismic/
Sequence Stratigraphic Framework
for the Evolution of Pleistocene
Intra-Slope Basins, W. Gulf of
Mexico; The Brazos/Trinity
System”

March 6, 2001

“Seismic/Sequence Stratigraphy
of Deep-Water Reservoirs; Recent
Enhancements to the LST Fan
Model and Future Directions”

March 7, 2001

“Deep-Water Sandstones
of the Brushy Canyon Formation,
Permian, West Texas”

March 8, 2001

“Stratigraphy from 3-D Seismic
and Outcrop Data Sets; Examples
of Sand-Rich, Canyon-Fed
Submarine Fan Sequences”

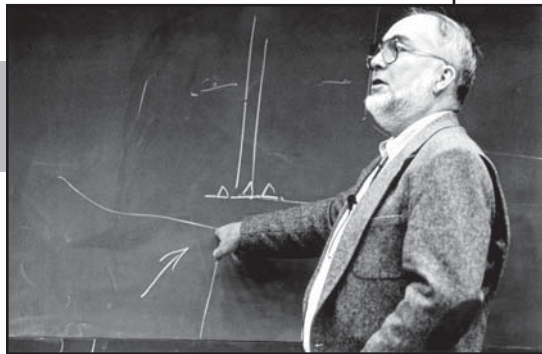
Eldridge M. Moores

University of California, Davis
Davis, California

Judd H. and Cynthia Oualline
Centennial Lecturer in
Geological Sciences

March 28, 2001

“The History of the
Ophiolite Concept”



March 29, 2001

“Tethyan Ophiolites, Tectonics and Mantle Convection: A Resolution of the ‘Ophiolite Conundrum’”

March 29, 2001

“Pre-Rhodinian Ophiolites, Their Tectonic and Environmental Implications”

Mary J. Kraus

University of Colorado at Boulder
Boulder, Colorado
Edwin Allday Lectureship in Geological Sciences

April 9, 2001

“Paleosol Successions in Floodplain Deposits: A Hierarchical Approach”

April 10, 2001

“Avulsion Style and Stacking Patterns in Fluvial Sandstones: An Example from the Eocene Willwood Formation”

Mark S. Springer

University of California at Riverside
Riverside, California
Clara Jones Langston Centennial Lectureship in Vertebrate Paleontology

April 19, 2001

“Basal Divergences and the Early Evolutionary History of Crown-Group Placental Mammals”



TOP LEFT: ELDRIDGE M. MOORES, UNIVERSITY OF CALIFORNIA, DAVIS.

TOP RIGHT: GUEST LECTURER AND FIELD TRIP LEADER DR. RICHARD BEAUBOUF EXPLAINS REGIONAL RELATIONSHIPS IN THE BRUSHY CANYON SUBMARINE FAN SYSTEMS, DELAWARE BASIN, WEST TEXAS.



DR. BEAUBOUF, A RESEARCH SCIENTIST WITH EXXON-MOBIL UPSTREAM RESEARCH, WAS THE 2000-2001 BOYD LECTURER IN PETROLEUM GEOLOGY. IN ADDITION TO GIVING FOUR LECTURES ON VARIOUS ASPECTS OF QUATERNARY AND ANCIENT SLOPE SYSTEMS AND SEQUENCES, HE LED A FIELD TRIP FOR 20 GRADUATE STUDENTS AND FACULTY TO VIEW CLASSIC EXPOSURES OF DEEP-WATER FACIES, BRUSHY CANYON FORMATION. HE IS THE SENIOR AUTHOR OF THE RECENTLY PUBLISHED AAPG HEDBERG CONFERENCE FIELD GUIDE TO THE BRUSHY.

PHOTO PROVIDED BY BILL GALLOWAY.

TOP MIDDLE: MARY J. KRAUSE, UNIVERSITY OF COLORADO AT BOULDER.

LOWER LEFT: ALLEN F. MOENCH, U.S. GEOLOGICAL SURVEY IN MENLO PARK, CALIFORNIA.

BOTTOM: TIM ROWE (LEFT) WITH MARK S. SPRINGER (RIGHT), UNIVERSITY OF CALIFORNIA AT RIVERSIDE.

Visiting Speakers

Fall 2000

Millard F. (Mike) Coffin

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

December 5, 2000

“Tales of Two LIPs: Kerguelen and Ontong Java”

Bruce Darling

LBG-Guyton Associates Services
Austin, Texas

December 1, 2000

“Litigation and the Market Value of Groundwater: A Case Study from Nolan County, Texas”

Steven L. Dorobek

Texas A&M University
College Station, Texas

October 5, 2000

“Late Paleozoic Tectonic and Depositional History of the Permian Basin: An Important Record of Transpressional Foreland Deformation”

“Mississippian Lake Valley Formation of South-Central New Mexico: Sequence Stratigraphy, Mud Mounds, and Sediment Gravity Flows”

Alan R. Dutton

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

October 20, 2000

“Predicting 2000-2050 Remaining Saturated Thickness in the Ogallala Aquifer Using a Groundwater-Flow

Model with Geologic and Other Spatial Data”

Shirley P. Dutton

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

October 2, 2000

“Calcite Cement Distribution and Its Effects on Fluid Flow in a Deltaic Sandstone, Frontier Formation, Wyoming, USA”

Henrietta N. Edmonds

Marine Sciences Institute
The University of Texas at Austin
Port Aransas, Texas

September 15, 2000

“Voyage to the Bottom of the Sea”

October 3, 2000

“Geochemical Processes in Submarine Hydrothermal Vent Plumes: Recent Results from the Rainbow Hydrothermal Site, 36°15' N, Mid-Atlantic Ridge”

Peter J. Fawcett

University of New Mexico
Albuquerque, New Mexico

October 12, 2000

“260 Million Years of Climate Change: A Comparison of Climate Model Results to the Geologic Record”

October 13, 2000

“Late Pleistocene and Holocene Climatic Change in New Mexico: A Synthesis of Glacial and Pluvial Lake Records”

Miryam Glikson

The University of Queensland,
Australia
Brisbane, Queensland, Australia

September 21, 2000

“Organic Matter and Mineralization”

Franz K. Hiebert

RMT, Inc.
Austin, Texas

October 27, 2000

“Evaluating Natural Attenuation of Organic Contaminants: Examples from 15 Sites Across USA”

Cathryn A. Hoyt

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

October 19, 2000

“Reconstruction of Holocene Climate and Climate Change Using the Method of Modern Analogues: A Case Study from the Northern Chihuahuan Desert”

Charles S. Jackson

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

November 30, 2000

“Earth’s Orbital Configuration and Cryogenesis over the Past 135,000 Years”

Noel C. Krothe

Indiana University
Bloomington, Indiana

September 22, 2000

“Epikarst Development in Two Different Carbonate Basins: Controls on Contaminant Transport”

Robert G. Loucks

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

September 28, 2000

“Paleocave Systems, Origin, Burial
Depth Modifications, Spatial
Complexity, and Reservoir
Implications”

October 23, 2000

“Depositional Setting and
Diagenesis of Larger Foraminiferal
Nummulite Deposits, Lower Eocene
Metlaoui Group, Offshore Tunisia”

Tim McCoy

Smithsonian Institution
Washington, DC

October 26, 2000

“Graves Nunatak 95209:
A Snapshot of Core Formation
in the Early Solar System”

“Un-Earthing Meteorites:
NASA’s Near Earth Asteroid
Rendezvous Mission to 433 Eros”

M. Ann Molineux

Texas Memorial Museum
The University of Texas at Austin
Austin, Texas

September 25, 2000

“Fighting for Survival Amongst
the Mice, Silverfish, Spiders, Dust,
Vehicle Fumes, and 112°F”

Sean Moran

Texas StratMap Program
Austin, Texas

September 14, 2000

“Geodata Distribution Initiatives”

Professor Abdel-Hamid

Muhammed Mamcon Noweir

Professor Mohamed Gamal

El Din Abou El Maaty Abou

El Makarem Atwia

Professor Ahmed El Refai

Abdel Raheem Bakrah

Professor Ahmed

Moustafa El Shestawy

Tanta University, Egypt

September 8, 2000

“Geology of Egypt with Special
Reference to the Nile Delta”

Tapani Rämö

University of Helsinki
Helsinki, Finland

November 8, 2000

“Mid-Proterozoic Evolution of the
Fennoscandian Shield: A Combined
Geological–Geophysical Assessment
of the 1.6 Ga Rapakivi Granite
and Subsequent Rifting and
1.3 Ga CFB Events”

Bridget R. Scanlon

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

November 10, 2000

“Evaluation of the Performance
of Engineered Covers for Waste
Containment Based on Numerical
Modeling”

Frederick W. Taylor, Jr.

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

September 7, 2000

“Drilling for Glacial-Age Corals
in the Western Pacific: Neotectonics
Comes to the Aid of Paleoclimate
Studies”

Scott W. Tinker

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

September 19, 2000

“Texas Bureau of Economic
Geology: Research, Projects,
and Future Directions”

Spring 2001**Wendy Bohrson**

Central Washington University
Ellensburg, Washington

March 19, 2001

“The Dynamics of Magma
Chambers”

Jay A. Brandes

Marine Science Institute
The University of Texas
at Port Aransas
Port Aransas, Texas

January 30, 2001

“Nanoscale Investigations of
Diagenesis Using X-ray
Microscopy”

Sean M. Buckley

Center for Space Research
The University of Texas at Austin
Austin, Texas

April 27, 2001

“Radar Interferometry
Measurement of Land Subsidence”

Aiguo Dai

National Center for Atmospheric
Research
Boulder, Colorado

February 28, 2001

“Climates of the 20th and 21st
Centuries Simulated by NCAR
Coupled Global Climate Models”

Katrina J. Edwards

Woods Hole Oceanographic Institute
Woods Hole, Massachusetts

February 8, 2001

“Weathering of Seafloor
Hydrothermal Sulfides: The
Microbial Role in Mineral
Alteration and Iron-Oxidation
Deposits”

Augustus Fanning

Earth and Ocean Science
University of Victoria
Victoria, British Columbia, Canada

May 8, 2001

“A Model Study of Bipolar Oscillations of the Thermohaline Circulation Driven by Orbital Forcing”

Robert J. Ferguson

Chevron Petroleum Technology Company
San Ramon, California

February 5, 2001

“Research Projects in Exploration Geophysics: Past Trends and Future Directions”

Sergey B. Fomel

Ernesto Orlando-Lawrence
Berkeley National Laboratory
Berkeley, California

March 2, 2001

“Plane-wave Destruction with Application to Seismic Data Analysis”

Neil T. Grant

Conoco, Inc.
Houston, Texas

April 23, 2001

“Structural Modeling of Slump Faults in Statfjord Field (North Sea) and Lobo, West Texas”

Robbie R. Gries

AAPG President
Priority Oil and Gas Company
Denver, Colorado

March 28, 2001

“The Geologist’s Role in Keeping Up with Natural Gas Demand: Case Histories”

Julia E. Hammer

Brown University
Providence, Rhode Island

March 5, 2001

“Magma Storage, Ascent, and Eruption Dynamics: Constraints from Phase Equilibria and Kinetics of Crystallization”

Felix Herrmann

Earth Resources Laboratory
Massachusetts Institute of Technology
Cambridge, Massachusetts

February 26, 2001

“Scaling Analysis of Seismic Data: A New Approach to Characterize Geologic Transitions”

Matthew Huber

University of California, Santa Cruz
Santa Cruz, California

March 5, 2001

“The Eocene ‘Equable Climate Problem,’ Implications from a Fully Coupled General Circulation Model Experiment”

Paul F. Hudson

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

January 23, 2001

“Channel Adjustment in Response to Engineering Modifications in the Lower Mississippi River”

Kurt Knesel

The University of Queensland,
Australia
Brisbane, Queensland, Australia

March 23, 2001

“New Insights into Magmatic Processes from Mineral-scale Isotope Studies”

Jennifer Leslie

Kelman Technologies
Houston, Texas

February 19, 2001

“P-wave Seismic Imaging through Dipping Transversely Isotropic Media”

Robert E. Mace

Texas Water Development Board
Austin, Texas

February 2, 2001

“Predicted Water-level Declines in the Hill Country under Drought-

of-record Conditions: Results from a Numerical Groundwater Flow Model”

J. Keith Moore

National Center for Atmospheric Research
Boulder, Colorado

May 10, 2001

“A Marine Ecosystem Model for the Global Domain”

Kevin J. Peterson

Dartmouth College
Hanover, New Hampshire

April 24, 2001

“Developmental Regulatory Mechanisms, Snowball Earth, and the Cambrian Explosion”

Ellen M. Rathje

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

April 20, 2001

“The Geotechnical Engineering Aspects of the 1999 Earthquakes in Turkey”

Edward C. Theriot

Texas Memorial Museum
The University of Texas at Austin
Austin, Texas

February 6, 2001

“Freshwater Plankton Diatom Evolution, from Little Bitty Molecules to Global Climate Change”

Garland R. (Gary)

Upchurch, Jr.

Southwest Texas State University
San Marcos, Texas

February 13, 2001

“Vegetation-Atmosphere Interactions and Their Role in Past Climate: An Example from the Cretaceous-Tertiary Boundary”

Paul Wallace

Ocean Drilling Program
Texas A&M University
College Station, Texas

March 7, 2001

“From the Mantle to the
Atmosphere: Magma Degassing
and Explosive Volcanic Eruptions”

Guiling Wang

Princeton University
Princeton, New Jersey

March 9, 2001

“Two-Way Biosphere-Atmosphere
Interactions: The Role of Vegetation
Dynamics in Climate Variability
and Climate Change”

Alan G. Whittington

University of Illinois,
Urbana-Champaign
Urbana, Illinois

March 15, 2001

“Hot Rocks in High Places:
Exhumation Processes in
Collisional Orogens”

Kenneth H. Wohletz

Los Alamos National Laboratory
Los Alamos, New Mexico

February 27, 2001

“Krakatoa: A Sixth Century
Nightmare that Triggered the
Dark Ages”

February 27, 2001

“Volcanology and the Comprehen-
sive Test Ban Treaty: A Look at
the Importance of Geology in
Global Politics”

February 28, 2001

“Numerical Modeling of Volcanism”

Zong-Liang Yang

University of Arizona
Tucson, Arizona

March 21, 2001

“Improving the Representation
of Snow Processes in Global
Climate Models”

Speakers—Faculty and Staff in the Department of Geological Sciences

Fall 2000**William D. Carlson**

November 30, 2000

“Scales of Disequilibrium and
Rates of Equilibration During
Metamorphism”

Robert L. Folk

September 5, 2000

“Nannobacteria in BIF’s
and Martian Rocks”

Robert K. Goldhammer

November 28, 2000

“Cretaceous Tectono-Stratigraphic
and Paleogeographic Evolution
of the Southern Kwanza Basin,
Angola”

John M. Lansdown

October 17, 2000

“The Isotopic Composition of
Atmospheric Methane and
Bacterial Methane Sources”

Randall A. Marrett

August 25, 2000

“When the Earth Quakes”

October 11, 2000

“Isoclinal Red Herrings”

Earle F. McBride

December 4, 2000

“Geologic Travel Log of a Rafting
Trip through the Grand Canyon”

Kitty L. Milliken

November 6, 2000

“Microbial Structures in Fractured
Serpentinites, Iberia Abyssal Plain:
An Update from SEM Observations”

William R. Muehlberger

October 18, 2000

“Tectonics of the Arabian Plate”

Timothy B. Rowe

October 6, 2000

“What Happened to the Dinosaurs?”

Spring 2001**Ian W. D. Dalziel**

January 18, 2001

“Influence of Tectonics on the
Development and Future of the
West Antarctic Ice Sheet”

Mark A. Helper

January 25, 2001

“Proterozoic Geology of the
Shackleton Range, Antarctica;
Implications for the SWEAT
Hypothesis”

Richard A. Ketcham

April 25, 2001

“A Rose Diagram by Any Other
Name, Using CT to Measure
Fabrics, Objects, and Fractures”

Randall A. Marrett

February 7, 2001

“Spatial Architecture of
Fracture Arrays”

Sharon Mosher

February 1, 2001

“The Macquarie Ridge Complex:
Transition from a Divergent to
Transform Plate Boundary”

Student Speakers—Technical Sessions

Fall 2000

Marcia L. Branstetter

Ph.D. Candidate
“Development of a Parallel River Transport Algorithm: Applications to Climate Studies”
September 26, 2000

John L. Chaille

Ph.D. Candidate
“The Relationship of Mammalian Morphometric Diversity to Environmental Variations and Its Use in Paleoclimatic Reconstructions”
November 31, 2000

Kirk Chatawanich

M.S. Candidate
“Structural Geology of the Pacheco Pass Area, Diablo Range, California: Exhumation of a Coherent Blueschist Terrane in the Franciscan Subduction Complex”
November 9, 2000

James J. Corboy

M.S. Candidate
“Syntectonic Development and Sequence Stratigraphy of the Early Permian Hueco Carbonate Group, Apache Canyon, West Texas”
October 24, 2000

Russell R. Hamman

M.S. Candidate
“High Resolution Sequence Stratigraphic Analysis of the Cretaceous Woodbine Formation, Henderson and Navarro Counties, Texas”
December 6, 2000

Wade D. Hutchings

M.S. Candidate
“Mountain Group, Northwestern Delaware Basin, West Texas-Southeastern New Mexico: Application of Stacking Pattern Analysis”
September 12, 2000

Joël H. Le Calvez

Ph.D. Candidate
“Physical Models of Graben Formation and Fault Interactions Above a Ductile Layer”
October 10, 2000

Orlando J. Ortega Perez

Ph.D. Candidate
“Natural-Fracture Frequency Controls: Barremian-Aptian Carbonate Platform, Northeastern Mexico”
November 21, 2000

Theodore R. Ressler

M.S. Candidate
“Preliminary Characterization of the Valley-Fill Aquifer in Fortymile Wash, Southwestern Nevada”
December 6, 2000

Sunday K. Shepherd

M.S. Candidate
“Depositional History and Reservoir Characterization of the Upper Morrow “A” Sandstone, Northeast Hardesty Field, Texas County, Oklahoma”
September 12, 2000

Norman G. Van Broekhoven

Ph.D. Candidate
“Recharge and Flow in Trans-Pecos Arid Aquifers”
November 7, 2000

Spring 2001

Saleh M. Al-Saleh

M.S. Candidate
“Processing OBC Data in Plane Wave Domain”
February 15, 2001

Maria Veronica Castillo

Ph.D. Candidate
“Structural Analysis of Cenozoic Fault Systems Using 3D Seismic Reflection Data in the Southern Maracaibo Basin, Venezuela”
March 22, 2001

Fernando A. Cerda

M.S. Candidate
“A Time-Lapse (4D/4C) V_p/V_s Interpretation of Reservoir Depletion in Teal South”
April 26, 2001

Marcy B. Davis

M.S. Candidate
“Subglacial Morphology and Structural Geology in the Southern Transantarctic Mountains from Airborne Geophysics”
April 3, 2001

Dennis P. Dunn

Ph.D. Candidate
“Mantle and Crustal
Xenoliths from the
Prairie Creek Lamproite
Province, Arkansas”
March 27, 2001

Mulugeta Y. Feseha

Ph.D. Candidate
“Sequence Stratigraphy,
Petrology, and Geochronology
of the Oligocene Chilga
Rift Basin Sediments,
Northwest Ethiopia”
May 1, 2001

Christine R. Fox

M.S. Candidate
“Physical Modeling of
the Formation of Salients
above Evaporites”
April 17, 2001

Amy K. Gilmer

M.S. Candidate
“Characterization of the
Red Hills Porphyry Copper-
Molybdenum Deposit and
Investigation of its Relationship
to the Chinati Mountains Caldera,
Presidio County, Texas”
March 8, 2001

C. Norman Hansen

M.S. Candidate
“Effects of Urbanization on
Shallow Groundwater Flow”
February 20, 2001

Daniel F. Harrington

M.S. Candidate
“Deformation of Blueschist
and Greenstone Blocks in
a Mud-Matrix Franciscan
Melange, San Simeon, California:
Implications for Melange
Generation during Subduction”
April 3, 2001

Junru Jiao

Ph.D. Candidate
“Residual Migration
Velocity Analysis”
April 5, 2001

Brian D. Knight

M.S. Candidate
“Temporal, Thermal, and
Strain Analysis of a Tonalitic
Tectonite from the Salinian Block,
Monterey County, California”
March 8, 2001

Eric M. Matzel

Ph.D. Candidate
“The Anisotropic Seismic
Structure of the Upper Mantle
from Full Waveform Inversion”
March 1, 2001

Asif Muzaffar

M.S. Candidate
“Depositional, Diapiric and
Cap Rock Formation History
of the Davis Hill Salt Dome,
Liberty County, Texas”
April 26, 2001

Jason W. Rush

M.S. Candidate
“Sequence Stratigraphy
and Facies Architecture
of a Guadalupian Carbonate
Rimmed Shelf, Walnut Canyon,
New Mexico”
April 12, 2001

Marel A. Sanchez

M.S. Candidate
“Sequence Stratigraphy
and Structural Evolution
Framework of Southeast
Caribbean Margin:
Orinoco Delta Offshore”
April 17, 2001

Dennis A. Sylvia

Ph.D. Candidate
“Response of the Pleistocene
Brazos River Dispersal System
to Climatic Variations and
Eustatic Fluctuation”
March 20, 2001

Karah L. Wertz

M.S. Candidate
“Rising from the Sea:
Structure and Tectonics
of Macquarie Island,
Southern Ocean”
February 20, 2001

Summer Field Camp 2000—GEO 660

by Mark Helper

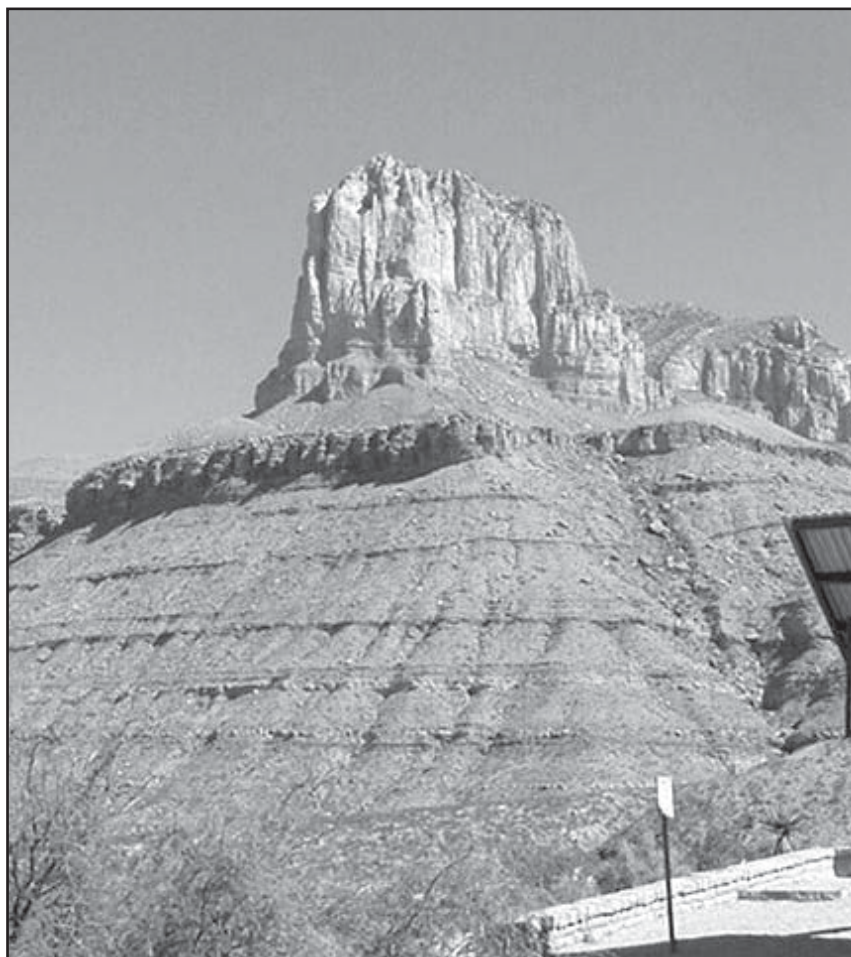
The GEO 660 class of 2000 visited most of the same haunts as in recent years but saw unusually fair weather. Drs. Banner, Connelly, Helper, Kocurek, Marrett, and McBride, assistant instructor David Hirsch, and six graduate teaching assistants instructed 33 participants during various portions of the six-week class.

As in years past, the first week focused on the carbonate rocks of the Guadalupe and Sacramento Mountains, New Mexico, with short trips to Carlsbad Caverns and White Sands. The group then moved to the dormitories of Fort Lewis College, Durango, Colorado, where, under the tutelage of Drs. McBride and Kocurek, the emphasis shifted to fluvial and aeolian sediments of the San Juan Basin. A single-day mapping exercise at Coal Bank Pass and a trip through the San Juan Mountains on the way north concluded the stay in Durango. Following a stop at Dinosaur National Monument, Utah, the group traveled north through Wyoming, via Rocks Springs, South Pass, and the Wind River and Owl Creek ranges to arrive at Greybull, Wyoming, on the western flank of the Big Horn Mountains. Here, with the aid of Drs. Marrett and Helper, students mapped portions of Sheep Mountain and Goose Egg Anticlines and examined the thick-skinned structural style of the Big Horn Mountains on a one-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 spent three days examining the geology of Yellowstone caldera and the neotectonic and glacial story of the Jackson Hole region. From the parks, the

class traveled northward to Canyon Ferry, near Helena, Montana, where students spent nine days mapping and studying the thin-skinned fold and thrust belt geology of the Big Belt Mountains. A final project in the Pioneer Mountains, west of Melrose, Montana, focussed on the geology of the Hecla mining district, once the largest silver district in Montana. Over a four-day period, students documented, mapped, and reported on relationships among

deformation, metamorphism, mineralization and plutonism, and ore genesis. The three-day drive home from Montana allowed stops on the Snake River Plain near Idaho Falls, Idaho, on the Colorado Plateau at Provo and Arches National Monument in Utah, and the Rio Grande Rift at Albuquerque, New Mexico.

Further details and photos from this and previous classes can be found at the 660 Web site at <http://www.geo.utexas.edu/courses/660>.





OPPOSITE PAGE: EL CAPITAN ABOVE, CYCLIC SEDIMENTS IN THE BRUSHY CANYON FORMATION BELOW, GEO 660, SUMMER 2000.

PHOTO PROVIDED BY JAY BANNER.



TOP: THE GROUP AT BEAVER CREEK OVERLOOK, BIG BELT MOUNTAINS.

PHOTO PROVIDED BY MARK HELPER.

MIDDLE: MAPPING, BIG BELT MOUNTAINS.

PHOTO PROVIDED BY MARK HELPER.



BELOW: PROFESSOR EARLE MCBRIDE EXAMINES PERMIAN CYCLES IN ROCKY ARROYO, NEAR CARLSBAD, NEW MEXICO, GEO 660, SUMMER 2000.

PHOTO PROVIDED BY JAY BANNER.

Field Excursion to the Peruvian Andes—GEO 381R

by Amy Gilmer

Rich Kyle's GEO381R course, Regional Studies of Mineral Resources Geology, continues to provide opportunities for graduate students to experience international fieldwork. The students spend the spring semester studying the geology and mineral deposits of the 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.

In May 2000, three University of Texas at Austin students, Marcy Davis, Amy Gilmer, and Jenny Head, joined students and faculty from New Mexico Tech and The University of Utah for a two-week field trip to study the geology of Perú. This was an excellent opportunity for students to see the unique mineral deposits of Perú, to experience Andean culture, and to meet geologic professionals representing several mining and exploration companies. The Geology Foundation provided scholarships to cover the international airfare for The University of Texas at Austin students, and the Society of Economic Geologists supported the trip through its field trip fund. The professional geologists and their companies helped to support the per diem expenses.

The trip began in Lima with the first of two transects across the Andes. The first transect began in the coastal batholith

at Lima at sea level and continued through the fold and thrust belt at Yauli Yacu (4816 m), then descended to San Ramon (900 m) on the edge of the Amazon basin. Crossing the entire Cordillera was a dramatic transition to experience, not only geologically but also in terms of the vegetation and culture.

The first mine visit was to the San Vicente zinc mine in the eastern Amazon owned and run by SIMSA. San Vicente is the 12th largest mine in Perú with 1999 production of 940,000 tonnes of ore averaging 8.5% Zn. The San Vicente ore is distinctly banded within Jurassic carbonates and is similar to Mississippi Valley-type lead-zinc ores that are believed to result from metal-bearing basinal brines. The group toured both the underground mine and the mill. The La Oroya custom smelter operated by Doe Run Perú provided an opportunity to see how metals were extracted from their ore. The La Oroya smelter produces 20 products from the polymetallic ores mined in central Perú.

The Yauli Yacu mine was the highest mine toured on the trip at an elevation of 3700 m (12,135 feet). This area, formerly known as the Casapalca district, contains complex Zn-Cu-Pb-Ag ores in veins and in replacement zones in Cretaceous limestones and conglomerates. The Yauli Yacu mine extends laterally about 4 km and covers a vertical extent of 2 km. The tour group was transported underground by train and then via an interior shaft to a depth of approximately 1 km below the surface.

The group also visited several volcanic-hosted orebodies that occur as roof pendants in the Coastal batholith about 50 km east of Lima. Initially these deposits were mined for barite, but today Perúbar is mining zinc-bearing ore. The underground workings of the Cecilia Norte had a projected production of 540,000 tonnes for 2000. The enigmatic orebodies of the Raul-Condostable district occur about 100 km south of Lima. The district is primarily known for its copper ore but also produces some gold and silver ore as well. On the return trip, the group visited the pre-Incan ruins at Pachacamac, about 40 km southeast of Lima. This area was inhabited before the time of the Incas along one of the few irrigable valleys of the coastal desert.

To save some travel time, the group flew to the city of Arequipa in southern Perú. Arequipa, the second largest city in Perú (2300 m), served as the base for the second



VIEW OF THE VOLCANO EL MISTI (5,822 M) FROM THE CITY OF AREQUIPA.

Andean transect. Arequipa is surrounded by mountains, including the spectacular volcano, El Misti, whose summit at 5822 m towers over the suburbs, offering an impromptu tutorial in volcanic hazards. El Misti has been active many times since historic records began, including a lava dome in the 1950's and current fumarolic activity. The group traveled from Arequipa to Moquegua, crossing over the Incapuquio fault zone, a major structure that is thought to be the extension of the Falla de Domayko along which the major copper deposits are localized in northern Chile. Moquegua and the surrounding region are known for the production of wines and pisco (the typical and national drink of Perú).

The focus of the southern Perú portion of the trip was the Tertiary intrusion-hosted "porphyry copper" deposits, the continuation of the world's largest copper belt in northern Chile. All are huge open pits producing copper to satisfy the global appetite for this important industrial metal, particularly for electrical transmission. Weathering-related processes have produced large volumes of low-grade copper concentrations that are suitable for bulk mining and processing. Reserves of the Southern Perú Copper Co. at the Cuajone porphyry copper deposit are estimated to be 1.24 billion tonnes at 0.64% Cu. The

Cuajone deposit has experienced limited leaching and enrichment, perhaps because of interruption of weathering by the eruption of the Huaylias tuffs that blanket the area.

The Toquepala porphyry copper deposit about 50 km south of Cuajone has a much more extensive enrichment zone, perhaps because the Huaylias tuffs are absent in this area. Tourmaline breccias and anhydrite veins are common at Toquepala. Reserves are estimated to be 700 Mt of 0.74% Cu with an additional 1.1 Gt of leachable ore at 0.20% Cu. The Cerro Verde deposit owned by Phelps Dodge is located 30 km south of Arequipa, where the highest copper concentrations occur in the potassic-altered core of the intrusion.

The trip to Perú was an amazing adventure and an experience not to be forgotten. Everyone learned a great deal about the mineral deposits and culture of Perú.

The next 381R geoadventure will be to the Iberian Peninsula in May 2001.



TOP: VIEW TO THE NORTH OF THE TOQUEPALA PORPHYRY COPPER OPEN PIT MINE IN SOUTHERN PERU. THE INTENSE RED AREA IN THE UPPER LEVELS OF THE PIT IS THE LEACHED CAP ALTERATION ZONE.

BOTTOM: THE CENTRAL ANDES APPROACHING TICLIO, THE HIGHEST RAIL PASS IN THE WORLD (4,818 M) ON THE CENTRAL CARRETERA.

PHOTOS PROVIDED BY AMY GILMER.

Student Awards and Honors

The following students were presented awards at the Department of Geological Sciences Awards Ceremony on May 3, 2001, in GEO 100.

BEST SPEAKER AWARDS/ TECHNICAL SESSIONS

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

Awarded for superior oral presentations in Technical Sessions. Selection based on student evaluation.

Orlando J. Ortega Perez (Ph.D., fall 2000)
“Natural-Fracture Frequency Controls, Barremian-Aptian Carbonate Platform, Northeastern Mexico.”

Kirk Chatawanich (M.S., fall 2000)
“Structural Geology of the Pacheco Pass Area, Diablo Range, California: Exhumation of a Coherent Blueschist Terrane in the Franciscan Subduction Complex”

Mulugeta Y. Feseha (Ph.D., spring 2001)
“Sequence Stratigraphy, Petrography, and Geochronology of the Chilga Rift Basin Sediments, Northwest Ethiopia”

Karah L. Wertz (M.S., spring 2001)
“Rising from the Sea: Structure and Tectonics of Macquarie Island, Southern Ocean”

GRADUATE STUDENT EXECUTIVE COMMITTEE STUDENT SERVICE AWARD

(A plaque from the Geology Foundation)

Awarded for outstanding service by a geology graduate student to the graduate student community. Selection made by GSEC.

Staci L. Loewy



TOP: GARY KOCUREK (LEFT) WITH BROOK C. D. RILEY (RIGHT) AS SHE RECEIVES THE OUTSTANDING TEACHING ASSISTANT AWARD AT THE DEPARTMENT OF GEOLOGICAL SCIENCES AWARDS CEREMONY ON MAY 3, 2001.

MIDDLE: VANESSA L. SVIHLA (LEFT) AFTER CHAIRMAN GARY KOCUREK (RIGHT) PRESENTED HER WITH THE OUTSTANDING TEACHING ASSISTANT AWARD AT THE DEPARTMENT OF GEOLOGICAL SCIENCES AWARDS CEREMONY ON MAY 3, 2001.

BELOW: STACI L. LOEWY (LEFT), KITTY L. MILLIKEN (CENTER), AND BRIAN D. KNIGHT (RIGHT) SHOWN AT THE DEPARTMENT'S AWARDS CEREMONY ON MAY 3, 2001. STACI AND BRIAN RECEIVED THE PETROGRAPHY AWARDS.



MARK A. HELPER (LEFT) PRESENTS THE ESTWING HAMMER AWARD TO THIS YEAR'S WINNER, AARON P. ABEL (RIGHT), AT THE DEPARTMENT OF GEOLOGICAL SCIENCES AWARDS CEREMONY ON MAY 3, 2001.

OUTSTANDING TEACHING ASSISTANT AWARD

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

Awarded for outstanding performance by a teaching assistant, one in lower-division courses, one in upper-division or graduate courses. Selection is made by the Faculty Review Committee, based on nominations from the faculty.

- Sally L. Holl**
- Brook C. D. Riley**
- Vanessa L. Svihla**
- Barbara A. Tillotson**

PETROGRAPHY AWARD

(A plaque and a \$500 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 annual contest.

- Brian D. Knight** (Graduate)
- Staci L. Loewy** (Graduate)
- Peter B. Abel** (Undergraduate)

ESTWING HAMMER AWARD

A hammer awarded for outstanding performance in field geology course.

- Aaron P. Abel**

Student Officers for Fall 2000 and Spring 2001

Graduate Student Executive Committee (GSEC) Fall Semester, 2000:

Chair	Thomas E. Miskelly
Vice Chair	Valerie A. Bennett
Secretary	Dennis R. Ruez
Treasurer	Tony J. Troutman
Computer Issues Liaison	Christine R. Fox

Graduate Student Executive Committee (GSEC) Spring Semester, 2001:

Chair	Valerie A. Bennett
Vice Chair	Bryan C. Wilbur
Secretary	Dennis R. Ruez
Treasurer	Tony J. Troutman
Computer Issues Liaison	Christine R. Fox

American Association of Petroleum Geologists Student Chapter (AAPG):

President	Barbara A. Tillotson
Past President	Dennis A. Sylvia
Vice President	Robert L. Koch
Secretary	Donald A. Campbell
Treasurer	Alejandro Escalona
International Student Liaison	Claudia Rassi
Undergraduate Student Liaison	Adrienne U. Ruppelt
Faculty Advisor	William L. Fisher

University of Texas Geophysical Society (SEG):

President	Jason E. Gumble
Vice President	Imtiaz Ahmed
Secretary	Jason A. Stine
Treasurer	Armando R. Sena
International Student Liaison	Budiyono
Undergraduate Liaison	Adrienne U. Ruppelt

Undergraduate Student Geological Society (USGS):

Not active

Graduate Student Executive Committee

by Dennis R. Ruez, Jr.

The bulk of the work performed by the Graduate Student Executive Committee (GSEC) centers on hosting visiting prospective students. During the 2000-2001 academic year, GSEC entertained 25 prospective students.

After touring the Department, Bureau of Economic Geology, Institute for Geophysics, Vertebrate Paleontology Laboratory and Sixth Street, they all left with a fantastic impression of geological sciences at UT. These visits also remind the current graduate students of the facilities and opportunities available to us.

Anyone who has been a graduate student, or who

knows one, understands the constant stress. Therefore GSEC hosted several social events, including a Halloween Costume Party and Final Bedlam, and helped with others, such as the Spring Picnic.

GSEC awarded this year's Outstanding Service Award to Staci Loewy. The Department has received benefits from her service over several years, and we hope to convince her to continue those actions for the next year.

Finally, we would like to thank Marathon Oil for their donation and especially the Geology Foundation for their continued support.

A Productive Year for the Student Chapter of American Association of Petroleum Geologists (AAPG)

by Barbara A. Tillotson

The 2000-2001 school year proved to be a busy one for the student chapter of AAPG. In September, a new executive board was elected:

President:
Barbara A. Tillotson

Vice President:
Robert L. Koch

Secretary:
Donald A. Campbell

Treasurer:
Alejandro Escalona

International Student Liaison:
Claudia Rassi

Undergraduate Student Liaison:
Adrienne U. Ruppelt

We had an undergraduate award winner for the 2000 L. Austin Weeks Undergraduate Grant, who was elected by a panel of graduate students here in the Department. The winner was Adrienne U. Ruppelt.

A few members of the chapter attended an informative tour of Conoco's corporate facilities in Houston, Texas. We attended presentations on current research projects and the future direction of Conoco, and we saw a demo of their 3-D visualization center. Steve Levine and Cathy Ferris (UTDoGS graduates), of Conoco, set up and conducted the tour.

We also went on a trip with a few petroleum engineers to ExxonMobil's Baytown Refinery. This tour gave us all an insight to a part of the petroleum world that we would not normally see as geologists (or petroleum engineers). The tour took roughly half of the day, in which we had an hour-

long lecture by Warren Dold (ExxonMobil representative) and then a bus tour through their facilities, including the docks, processing plant, cracker, and refinery stills. It was a very insightful look into the complexity of the refining processes of petroleum.

Robbie Gries, the new AAPG President, volunteered some of her busy time to give the student chapter a talk on "The role of the geologist in the gas demand...case studies." This talk was not a technical one, but rather an inspirational one, in reminding us to follow our hunches and not to give up when the odds are stacked against us out in the petroleum industry. She then treated some students to a casual gathering at a local pub for some one-on-one interaction.

At the AAPG national convention in June, students presented posters or talks. Most students also volunteered some of their time with either the national organization, and/

or the Department. The convention was very beneficial to all student attendees (as noted from personal conversations), as many made new contacts in the industry as well as with those who are willing to be of assistance during thesis research. At the convention, a tentative field trip was set up with a representative from MagicEarth to tour their facilities, and a member of the AAPG Environmental Division, who is very willing to speak at a Department brown-bag seminar in the fall.

We would like to extend a warm thanks to the Geology Foundation for their support of our organization, and for overall assistance in helping to make this Department very enjoyable and efficient for research.

Research and Teaching Assistants and Assistant Instructor—2000-2001

Research Assistants, Bureau of Economic Geology

Badescu, Adrian C.
Budiyono
Chen, Jinghua
Correa Vivar, Luciano L.
Deutsch, Ryan Matthew
Doherty, Eloise Hickey
Elshayeb, Tarek Abu Serie
Garcia, Javier
Gomez Torres, Leonel Augusto
Hassan, Md. Rashidul
Hobbs, Amy Elizabeth
Keirstead, Robert Francis
Kilic, Cem Okan
Le Calvez, Joël Herve
Lindley, Adrien Lewis
Liu, Xuejiao
Makowitz, Astrid
Mendez, Daniel Leonardo
Muzaffar, Asif
Naing, Thet
Nordfjord, Sylvia
Ortega Perez, Orlando
Palachek, Susan Carol
Park, Yong-Joon
Philip, Zeno George
Phyu, Thandar
Playton, Ted Eric
Qiu, Yuan
Rassi, Claudia
Rush, Jason Windrow
Sanchez, Marel Alexander

Skaggs, Jonathan Michael
Stahn, Catherine Close
Wu, Han-Ching
Xu, Liying
Yang, Haiyan
Zhang, Ying
Zhou, Dingshan Sam

Research Assistants, Institute for Geophysics

Ahmed, Imtiaz
Burger, Robert L.
Davis, Marcy B.
Ghebretensae, Berhane N.
Lu, Hongbo
Mukherjee, Anubrat
Rogers, Robert D.
Wang, Chengshu
Xun, Hao

Research Assistants, Depart- ment of Geological Sciences

Bennett, Valerie A.
Berg, Aaron A.
Choh, Suk-Joo S.
Engel, Annette S.
Gao, Wei
Ghosh, Ayati
Graham, Stephen T.
Hansen, C. Norman
Hirsch, David M.
Holl, Sally L.
Krause, Daniel J.

Krothe, Jason N.
Macrini, Thomas E.
Matzel, Eric M.
Meth, Charna E.
Mickler, Patrick J.
Musgrove, Marylynn
Ortega Perez, Orlando J.
Perry, Jennifer L.
Ressler, Theodore R.
Shi, Mingjuan
Simmons, Nathan A.
Uliana, Matthew M.
Valentine, D. Shane
Van Berkel, Diego
Wu, Xinxia
Zirczy, Helena H.

Teaching Assistants

Balanoff, Amy M.
Berg, Aaron A.
Bever, Gaberiel S.
Cerda, Fernando A.
Chatawanich, Kirk
Christian, Lance N.
Combs, Deanna M.
Cooke, M. Jennifer
Dodd, D. Jackson
Dufeu, David L.
Dunn, Dennis P.
Escalona, Alejandro
Fenstermaker, Thomas R.
Fox, Christine E.
Franzosa, Jonathan W.
Fuller, Roy W.
Garcia-Fresca, Beatriz
Ghosh, Ayati
Gilmer, Amy K.
Guhl, Meredith D.
Hare, Christopher M
Harrington, Daniel F.
Head, Jennifer A.

Herrell, Katherine A.
Hobbs, Amy E.
Holl, Sally L.
Hooker, John N.
Jaffre, Michael
Jass, Christopher M.
Jones, James V.
Knight, Brian D.
Koch, Robert L.
Krawiec, Adam W.
Loewy, Staci L.
Luck, Roy B.
Makowitz, Astrid
McFarlane, Christopher
McGuire, James B.
Meckel, Timothy A.
Meth, Charna E.
Mickler, Patrick J.
Miskelly, Thomas E.
Ortega Perez, Orlando J.
Perry, Jennifer L.
Playton, Ted E.
Ressler, Theodore R.
Riley, Brook C. D.
Ruez, Dennis R.
Schneider, Christie L.
Shepherd, Sunday K.
Shi, Mingjuan
Simmons, Nathan A.
Stine, Jason A.
Svihla, Vanessa L.
Thompson, Clark
Tillotson, Barbara A.
Valentine, D. Shane
Wertz, Karah L.
Wilbur, Bryan C.

Assistant Instructor

Hirsch, David M.

Placement Office Update—2000-2001

The 2000-2001 academic year was a rewarding one for the Geological Sciences Placement Office. Seventy-five students used the services, coordinated by Miriam Pashby, in the fall and spring semesters. Of these students, 18 were candidates for B.S. or B.A. degrees, 31 for M.S. or M.A. degrees, and 26 for Ph.D. degrees.

Fifteen organizations used the services of the Department's Placement Office. Shell and Schlumberger interviewed in our Department during the spring, and representatives from Anadarko Petroleum Corporation, BP, Chevron Corporation, Conoco, Inc., ERM Southwest, ExxonMobil Exploration, ExxonMobil Production and Research, Marathon Oil, Ocean Energy, Occidental Oil, Phillips Petroleum, Schlumberger, Shell Oil,

Texaco, Inc., and URS Corporation (formerly known as Radian) visited the Department during the fall.

A survey was taken by the Placement Office in which all of the 75 responses mailed were returned. According to this survey, 12 full-time positions and 26 summer jobs/internships were offered to undergraduates and graduate students by various companies this past year. The following salaries were offered by companies interviewing through this office:

Full-time job salaries:

M.S./M.A.
\$57,000 - \$62,700/year

**Summer job/
internship salaries:**

M.S./M.A.
\$3,700 - \$5,375/month

Ph.D.
\$4,100 - \$5,400/month

Graduate Fellowships, Scholarships, and Awards

Mary and Ben Anderson Endowment for Graduate Studies in Geology

Theodore R. Ressler Spring 2001

Thomas R. Banks Memorial Scholarship

Deanna M. Combs Spring 2001
Jonathan W. Franzosa Spring 2001
Amy K. Gilmer Spring 2001
Christopher M. Jass Spring 2001
James V. Jones Fall 2000
Brian D. Knight Fall 2000
Christopher R. McFarlane Fall 2000
James B. McGuire Fall 2000
Orlando J. Ortega Perez Fall 2000

Laura Thomson Barrow Graduate Fellowship

Beatriz Garcia-Fresca Spring 2001
Meredith D. Guhl Summer 2001
Katherine A. Herrell Spring 2001
Amy E. Hobbs Spring 2001
Astrid Makowitz Summer 2001
Brook C.D. Riley Summer 2001
Christie L. Schneider Fall 2000
Karah L. Wertz Spring 2001

Leonidas T. Barrow Centennial Chair in Mineral Resources

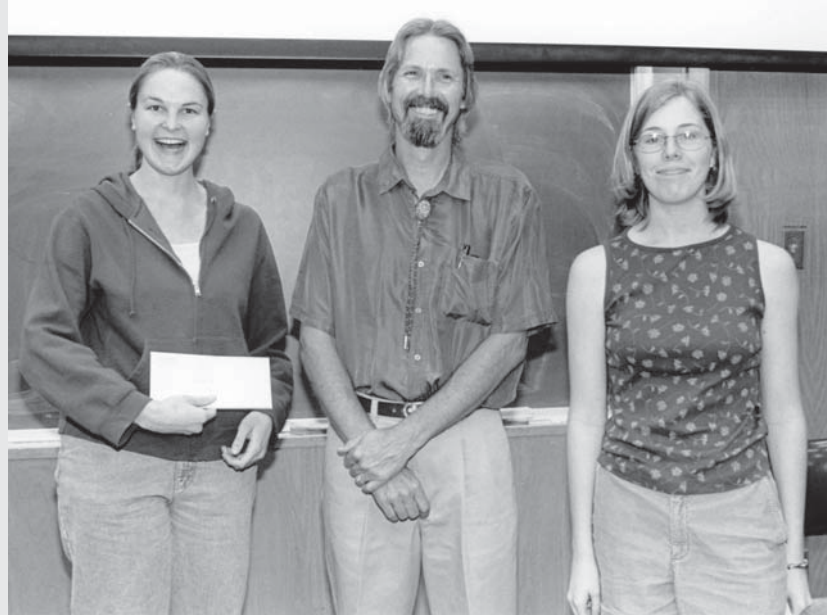
Cem O. Kilic Spring 2001

Wayne Franklin Bowman Endowed Presidential Scholarship

Dennis R. Ruez 2000-2001

British Petroleum/Amoco Scholarship

James J. Corboy Spring 2001
Thomas E. Miskelly Summer 2001
Xinxia Wu Spring 2001



DAVID JOHNS (CENTER) PRESENTED SCHOLARSHIP CHECKS TO SALLY L. HOLL (LEFT) AND AMY K. GILMER (RIGHT) FROM THE AUSTIN GEOLOGICAL SOCIETY AT THE DEPARTMENT OF GEOLOGICAL SCIENCES AWARDS CEREMONY ON MAY 3, 2001.

Jesse L. Brundrett Memorial Endowed Presidential Scholarship

Robert L. Burger 2000-2001

Thomas and Ray Burke Student Job Program

Matthew M. Uliana Fall 2000

Hal H. Bybee

Matthew M. Uliana Fall 2000

Hal P. Bybee Memorial Fund

Jason E. Gumble Fall 2000

Dorothy Ogden Carsey Memorial Scholarship Fund

Christie L. Schneider Fall 2000

Chevron USA, Inc. Scholarship

Christine R. Fox Spring 2001
Joy D. Griffin Fall 2000
Jason E. Gumble Spring 2001
Daniel F. Harrington Fall 2000
Robert L. Koch Spring 2001
Roy B. Luck Spring 2001
Thomas E. Miskelly Spring 2001
Ted E. Playton Spring 2001
Robert D. Rogers Spring 2001
Nathan A. Simmons Spring 2001
Jason A. Stine Fall 2000
 Spring 2001

Conoco, Inc.

Karah L. Wertz Spring 2001
 Summer 2001

Joseph S. Cullinan Memorial Scholarship in Geological Sciences

Russell R. Hamman Fall 2000

**Ronald K. DeFord
Field Scholarship Fund**

Amy E. Hobbs	Summer	2001
Jason N. Krothe	Spring	2001
James B. McGuire	Summer	2001
Bradley H. Reid	Spring	2001
Christie L. Schneider	Summer	2001
Bryan C. Wilbur	Summer	2001

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

Katherine A. Herrell 2000-2001

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

Kirk Chatawanich Spring 2001

**Graduate Fellowship in
Exploration Geophysics**

Jason E. Gumble 2000-2001

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

Dennis P. Dunn	Fall	2000
Adam W. Krawiec	Summer	2001
Staci L. Loewy	Fall	2000

**John A. and Katherine G. Jackson
Fellowship in Geohydrology**

Annette S. Engel Fall 2000

**Martin B. Lagoe Student Research
Fund for Micropaleontology**

Annette S. Engel	Fall	2000
Christie L. Schneider	Spring	2001

**J. Hoover Mackin
Memorial Scholarship Fund**

Edward D. Lane	Summer	2001
James B. McGuire	Summer	2001
Karah L. Wertz	Fall	2000

Marathon Oil Company Fund

Aysen Oskan	Spring	2001
Patrick M. Walsh	Fall	2000

**George W. Marshall, Jr.
Memorial Endowed
Presidential Scholarship**

Daniel F. Harrington 2000-2001

**William R. Muehlberger Field
Geology Scholarship Fund**

Adam W. Krawiec	Summer	2001
Karah L. Wertz	Summer	2001

**Pennzoil and Pogo Producing
Companies-William E. Gipson
Scholarships**

Bradley H. Reid Spring 2001

**Phillips Petroleum Company
Fellowship**

Junru Jiao	2000-2001
Robert D. Rogers	2000-2001

**Louis and Elizabeth Scherck
Geology Scholarship**

John N. Hooker Summer 2001

**Scholarships and Meeting
Support, Various Donors**

Adrian C. Badescu	Summer	2001
Fernando A. Cerda	Summer	2001
Richardo I. Combellas Bigott	Summer	2001
Mulugeta Y. Feseha	Summer	2001
Behrane N. Ghebretensae	Summer	2001
Pedro T. Gomez-Cabrera	Summer	2001
Leonel A. Gomez Torres	Summer	2001
Russell R. Hamman	Summer	2001
Jennifer A. Head	Summer	2001
Joël H. Le Calvez	Summer	2001
Roy B. Luck	Summer	2001
Astrid Makowitz	Summer	2001
Thomas E. Miskelly	Summer	2001
Faustino S. Monroy-Santiago	Summer	2001



TEXACO PRESENTS CHECK TO GEOLOGY FOUNDATION. PICTURED (LEFT TO RIGHT) SUSAN LONGACRE, OF TEXACO, BILL FISHER, JOHN RIOLA OF TEXACO, GARY KOCUREK, AND BOB TATHAM.

Patricia Montoya Summer 2001
 Asif Muzaffar Summer 2001
 Orlando J. Ortega Perez Summer 2001
 Aysen Ozkan Summer 2001
 Claudia Rassi Summer 2001
 Armando R. Sena Summer 2001
 Barbara A. Tillotson Summer 2001
 Tony J. Troutman Summer 2001
 Diego J. Van Berkel Summer 2001
 Xinxia Wu Summer 2001

Walter Benona Sharp Memorial Scholarship in Geology

Christine R. Fox Spring 2001

John and Elizabeth M. Teagle Scholarship in Petroleum Geology

Fernando A. Cerda Summer 2001
 Asif Muzaffar Summer 2001

Texaco Inc. Scholarship

Jennifer A. Head Spring 2001
 Astrid Makowitz Spring 2001
 Thomas E. Miskelly Spring 2001
 Tony J. Troutman Summer 2001

Glenn and Martha Vargas Endowed Presidential Scholarship

Amy K. Gilmer 2000-2001

Albert W. and Alice M. Weeks Fund in Geology

Aaron A. Berg Spring 2001
 Roy W. Fuller Summer 2001
 Ayati Ghosh Summer 2001
 Nico M. Hauwert Spring 2001
 Katherine A. Herrell Summer 2001
 Daniel J. Krause Spring 2001
 Jason N. Krothe Spring 2001
 James B. McGuire Spring 2001
 Bradley H. Reid Summer 2001
 Ki-Weon Seo Spring 2001
 Summer 2001

Arno P. (Dutch) Wendler Professional Development Fund

Adrian C. Badescu Summer 2001
 Marcia L. Branstetter Fall 2000
 Robert L. Burger Fall 2000

Donna L. Cathro Fall 2000
 Kirk Chatawanich Fall 2000
 Dennis P. Dunn Spring 2001
 Christine R. Fox Fall 2000
 Amy K. Gilmer Spring 2001
 Joël H. Le Calvez Fall 2000
 Summer 2001
 Hongbo Lu Fall 2000
 Spring 2001
 Thomas E. Macrini Fall 2000
 Astrid Makowitz Summer 2001
 Thomas E. Miskelly Summer 2001
 Claudia Rassi Summer 2001
 Dennis R. Ruez Fall 2000
 Christine L. Schneider Summer 2001
 Tony J. Troutman Summer 2001
 Matthew M. Uliana Fall 2000

Francis L. Whitney Endowed Presidential Scholarship

Jennifer L. Perry 2000-2001
 Christie L. Schneider 2000-2001

The Second Mr. and Mrs. Charles E. Yager Professorship

Ayati Ghosh Summer 2001

Scholarships, Fellowships, and Grants from Other Agencies

American Association of Petroleum Geologists Grants-in-Aid, 2000-2001

Claudia Rassi

American Federation of Mineralogical Societies Scholarship Foundation, 2000-2001

Thomas E. Macrini

American Geophysical Union

Annette S. Engel

Austin Geological Society

Amy K. Gilmer
 Sally L. Holl

Austin Paleontological Society

Christie L. Schneider
 Christopher M. Jass

Chevron Scholarship Award

Joy D. Griffin

Environmental Science Institute

M. Jennifer Cooke
 Sally L. Holl

Geological Society of America

M. Jennifer Cooke
 Astrid Makowitz
 Claudia Rassi
 Brook C. D. Riley
 Mingjuan Shi
 Karah L. Wertz

Gulf Coast Association of Geological Societies

Astrid Makowitz
 Asif Muzaffar
 Claudia Rassi
 Xinxia Wu

Indonesian Scholarship Fund

Widodo R. B. Sudomo Spring 2001

NASA Earth System Science Fellowship 2000-2001

Ki-Weon Seo

Society for Luminescence Microscopy and Spectroscopy

Astrid Makowitz

UT Austin Graduate School David Bruton Jr. Fellow, 2000-2001

Christopher R. McFarlane

UT Austin Graduate School Continuing University Fellowship 2000-2001

Dennis A. Sylvia

Graduate Degrees in Geological Sciences Conferred by The University of Texas at Austin—2000-2001

MASTER OF SCIENCE, AUGUST 2000 (11)

BRADLEY, MICHAEL H.

B.S., Geology, 1996,
Texas A&M University

*3D Seismic Stratigraphy Analysis of
South Timbalier Block-54, Gulf of Mexico*
Supervisor: William L. Fisher
Committee Members: William E. Galloway,
Richard T. Buffler

CARBON, JOSEFA

B.A., Geology, 1986, Instituto Universitario
Pedagogico de Caracas, Venezuela

M.A., Geology, 1991, Instituto Venezolano
Investigaciones Cientificas, Venezuela

*Facies Architecture of Miocene
Fluvial-Deltaic Reservoirs in Central Orinoco
Belt (Eastern Venezuela Basin)*
Supervisor: William L. Fisher
Committee Members: William E. Galloway,
Lesli J. Wood

CASTILLO, JAIME O.

B.S., Geology, 1990, Universidad de Caldas,
Venezuela

*Guadalupe Formation, Cusiana Field, Llanos
Foothills of Colombia: A Sandstone-Dominated
Unit Deposited in a Shelf System with
Tidal Current Influence*
Supervisor: William L. Fisher
Committee Members: William E. Galloway,
Bob A. Hardage

FENSTEMAKER, THOMAS R.

B.S., Geology, 1996, The University of Texas
at Austin

*Density-Driven Free Convection Across Low
Permeability Strata, South Texas Example*
Supervisor: John M. Sharp, Jr.
Committee Members: Craig T. Simmons,
William E. Galloway

FIMLAY, CARLOS J.

B.S., Geology, 1986, Universidad del Zulia,
Maracaibo, Venezuela

M.S., Geophysics, 1990, Universidad del Zulia,
Maracaibo, Venezuela

*Seismic Interpretation of Shore Zone-Inner Shelf
Deposits in Corpus Christi Bay, South Texas*
Supervisor: William L. Fisher
Committee Members: William E. Galloway,
Bob A. Hardage

JOHN, JASON G.

B.S., Geology, 1995, Colorado School of Mines

*Stratigraphic Correlation of the Entrada
Formation in Northeast Arizona with Emphasis on
Relative Timing of Todilto Formation Deposition*
Supervisor: Brenda L. Kirkland
Committee Members: Gary A. Kocurek,
Richard T. Buffler

LINDSAY, SARAH R.

B.A., Geology, 1995, University of Pennsylvania

Controlled Fracture Study of Geologic Materials
Supervisor: John M. Sharp, Jr.
Committee Members: Philip C. Bennett,
Randall A. Marrett

MACRINI, THOMAS E.

A.B., Biology, 1997, Washington University

*High Resolution X-ray Computed Tomography
(CT) of the Skull of an Extant Opossum
(Monodelphis Domestica) and a Comparison of Its
Ontogeny to Synapsid Phylogeny*
Supervisor: Timothy B. Rowe
Committee Members: Christopher J. Bell,
David Cannatella

TURICH, COURTNEY H.

B.A., Biology, 1995, Oberlin College

*Paleoecology and Diagenesis of the Lower
Capitan Reef, Slaughter Canyon, Guadalupe
Mountains, New Mexico*
Supervisor: Brenda L. Kirkland
Committee Members: Ron Johns,
James T. Sprinkle

VELEZ, VICKYE R.

B.S., Geology, 1990, Universidad
Nacional de Colombia

*Geometric Analysis of the Reed Wash
Detachment Fold Train, West Flank of
San Rafael Swell, Utah*
Supervisor: Randall A. Marrett
Committee Members: Sharon Mosher,
Daniel D. Schultz-Ela

ZIRCZY, HELENA H.

B.S., Geology, 1995, Universidad Simon
Bolívar, Venezuela

*Multicomponent Seismic Interpretation of
the Second Wind Field, Kiowa and
Cheyenne Counties, Colorado*
Supervisor: Robert H. Tatham
Committee Members: James L. Simmons, Jr.,
William L. Fisher

DOCTOR OF PHILOSOPHY, AUGUST 2000 (1)

MOHR, KAREN I.

A.B., Physics, 1986, College of the Holy Cross

B.S., Meteorology, 1987, Pennsylvania State
University

M.S., Meteorology, 1995, Texas A&M University

*An Investigation of Land/Atmosphere Interactions:
Soil Moisture, Heat Fluxes, and Atmospheric
Convection*

Supervisor: James S. Famiglietti
Committee Members: Edward J. Zipser, Ronald D.
Baker, II, John M. Sharp, Jr., Clark R. Wilson

MASTER OF SCIENCE, DECEMBER 2000 (3)

HUTCHINGS, WADE D.

B.S., Geology, 1997, Brigham Young University

*Sequence Stratigraphy of the Permian Delaware
Mountain Group, Basin-Floor Setting, Delaware
Basin, West Texas and Southeastern New Mexico:
Application of Stacking Pattern Analysis*
Supervisor: William L. Fisher
Committee Members: Shirley P. Dutton,
William E. Galloway

SHEPHERD, SUNDAY K.

B.S., Geology, 1998, Elizabeth City State University

Depositional History and Reservoir Characterization of the Northeast Hardesty Field, Texas County, Oklahoma

Supervisor: William L. Fisher

Committee Members: Raymond Sorenson, William E. Galloway

WALSH, PATRICK

B.S., Geology, 1998, Pennsylvania State University

Mechanics of Graben Evolution in the Needles District of Canyonlands National Park, Utah

Supervisors: Randall A. Marrett,

Daniel D. Schultz-Ela

Committee Member: Jon E. Olson

**DOCTOR OF
PHILOSOPHY,
DECEMBER 2000 (7)**

GRAHAM, STEPHEN T.

B.S., Geology, 1993, Tufts University

Continental River Routing for Fully Coupled Climate System

Supervisor: James S. Famiglietti

Committee Members: David S. Schimel, David R. Maidment, John M. Sharp, Jr., Clark R. Wilson

HIRSCH, DAVID M.

B.S., Geology, 1992, University of California, Los Angeles

Quantitative Studies of Porphyroblastic Textures

Supervisor: William D. Carlson

Committee Members: John Brady, Clifford A. Frohlich, Mark P. Cloos, Douglas Smith

MUSGROVE, MARYLYNN

B.S., Geology, 1986, University of Florida

M.A., Hydrology, 1993, The University of Texas at Austin

Temporal Links Between Climate and Hydrology: Insights from Central Texas Cave Deposits and Groundwater

Supervisor: Jay L. Banner

Committee Members: George Veni, James S. Famiglietti, David R. Maidment, Libby A. Stern, John M. Sharp, Jr.

RODELL, MATTHEW

B.S., Geology, 1994, College of William & Mary

Estimating Changes in Terrestrial Water Storage

Supervisor: James S. Famiglietti

Committee Members: Robert S. Nerem, David R. Maidment, John M. Sharp, Jr., Clark R. Wilson

ROGERS, JENNIFER ROBERTS

B.S., Geology, 1995, Trinity University

Nutrient-Driven Colonization and Weathering of Silicates

Supervisor: Philip C. Bennett

Committee Members: William Ullman, John M. Sharp, Jr., William D. Carlson, Franz K. Hiebert

SCHLOTTMANN, ROBERT B.

B.S., Mathematics, 1991, The University of Texas at Austin

B.S., Physics, 1991, The University of Texas at Austin

M.A., Physics, 1993, University of California, Santa Barbara

A Path Integral Formulation of Elastic Wave Propagation

Supervisor: Stephen P. Grand

Committee Members: Richard D. Hazeltine, Clifford A. Frohlich, Clark R. Wilson, Robert H. Tatham

ULIANA, MATTHEW M.

B.S., Geology, 1991, James Madison University

M.A., Hydrology, 1995, The University of Texas at Austin

Delineation of Regional Groundwater Flow Paths and Their Relation to Structural Features in the Salt and Toyah Basins, Trans-Pecos Texas

Supervisor: John M. Sharp, Jr.

Committee Members: Jay L. Banner, Alan R. Dutton, Patricia W. Dickerson, Randall A. Marrett

**MASTER OF SCIENCE,
MAY 2001 (8)**

ANDERSON, SUSAN D.

B.G.S., General Studies, 1987, Louisiana State University & A&M College

B.S., Geology, 1995, Louisiana State University & A&M College

High-Pressure Metamorphism in the Western Llano Uplift Recorded by Garnet-Clinopyroxenites in Mason County, Texas

Supervisor: William D. Carlson

Committee Members: Sharon Mosher, Douglas Smith

CHATAWANICH, KIRK

B.S., Geophysical Sciences, 1998, University of Chicago

Structural Geology of the Pacheco Pass Area, Diablo Range, California: Exhumation of a Coherent Blueschist Terrane in the Franciscan Subduction Complex

Supervisor: Mark P. Cloos

Committee Members: Sharon Mosher, Randall A. Marrett

GILMER, AMY K.

B.S., Geology, 1999, College of William & Mary

Age and Characterization of the Red Hills Porphyry Copper-Molybdenum Deposit and Its Relationship to the Chinati Mountains Caldera, Presidio County, Texas

Supervisor: J. Richard Kyle

Committee Members: Fred W. McDowell, James N. Connelly

GRIFFIN, JOY D.

B.S., Geology, 1997, Florida State University

Alluvial Architecture and Tectonic Setting of the Mangas Conglomerate, Tyrone Mine Area, Grant County, New Mexico

Supervisor: Richard T. Buffler

Committee Members: William E. Galloway, J. Richard Kyle

HAMMAN, RUSSELL R.

B.S., Geology, 1998, The University of Texas at Austin

High Resolution Sequence Stratigraphy of the Cretaceous Woodbine Formation, Henderson and Navarro Counties, Texas

Supervisor: William L. Fisher

Committee Members: William E. Galloway, Bob A. Hardage

KNIGHT, BRIAN D.

B.S., Geology, 1999, College of William & Mary

Thermal, Chemical and Strain Analysis of a Granitic Tectonite from the Western Salinian Block, Monterey County, California

Supervisor: Mark P. Cloos

Committee Members: William D. Carlson, Eric James

RESSLER, THEODORE R.

B.S., Geology, 1998, Bucknell University

Preliminary Characterization of the Valley-Fill Aquifer in Fortymile Wash, Southwestern Nevada

Supervisor: John M. Sharp, Jr.

Committee Members: William E. Galloway, Kenneth D. Ridgway, John A. Stamatakos

WILSON, JENNIFER T.

B.S., Geology, 1995, The University of Texas at Austin

Polycyclic Aromatic Hydrocarbons in the Bottom Sediments of Two Urban Lakes, Denver, Colorado

Supervisors: Philip C. Bennett, Peter Van Metre
Committee Member: John M. Sharp, Jr.

**DOCTOR OF PHILOSOPHY,
MAY 2001 (2)**

DUNCAN, CATHERINE SCHUUR

B.A., Earth Sciences, 1992, Dartmouth College

M.A., Geology, 1997, The University of Texas at Austin

Permeability Structure in Fractured Aquifers

Supervisors: William E. Galloway, John A. Goff
Committee Members: James A. Austin, Jr., William L. Fisher, Richard T. Buffler, Craig S. Fulthorpe

JIAO, JUNRU

B.E., Geophysics, 1982, University of Petroleum, Beijing

M.E., Geophysics, 1989, University of Petroleum, Beijing

Residual Migration Velocity Analysis in the Plane Wave Domain: Theory and Applications

Supervisor: Paul L. Stoffa

Committee Members: Stephen P. Grand, Yosio Nakamura, Mrinal K. Sen, Thomas H. Shipley

**UNDERGRADUATE SCHOLARSHIPS
AND AWARDS**

**Thomas R. Banks
Memorial Scholarship**

Megan S. Avants	Fall	2000
	Spring	2001
Austin K. Baldwin	Summer	2001
Jennifer A. Cote	Fall	2000
	Spring	2001
David C. Dunbar	Fall	2000
	Spring	2001
Whitney Goodrich	Summer	2001
Eric Lyons	Fall	2000
	Spring	2001
Meagan L. McMeans	Fall	2000
	Spring	2001
Joseph L. Mehring	Fall	2000
	Spring	2001
Molly S. Purcell	Fall	2000
	Spring	2001
	Summer	2001
Claudia E. Robinson	Fall	2000
	Spring	2001
	Summer	2001
Jonathan W. Snatic	Fall	2000
	Spring	2001
Christopher B. Strganac	Fall	2000
	Spring	2001
Jonathan M. Wybar	Fall	2000
	Spring	2001
Bloomer Fund for Motivated Students		
Evan J. Androl	Summer	2001
Joseph A. Beery	Summer	2001
Yann A. Curtis	Fall	2000
	Spring	2001
David M. Eglsaer	Fall	2000

Jaime Fernandez	Fall	2000
	Spring	2001
Kimberly D. Huebel	Spring	2001
Michael A. Leonard	Spring	2001
Amanda J. McCutcheon	Spring	2001
Susan C. Palachek	Summer	2001
Adrienne U. Ruppelt	Spring	2001
Melissa Seay-Morales	Fall	2000

**Wayne Franklin Bowman
Endowed Presidential
Scholarship**

Fabienne M.		
Grellet-Tinner	Fall	2000
	Spring	2001
Calvin A. Lee	Fall	2000
	Spring	2001

**Brahman Energy Company
Scholarship Fund**

Timothy D. Gibbons	Summer	2001
--------------------	--------	------

**Thomas and Ray Burke
Student Job Program**

Hallie K. Garrett	Fall	2000
	Spring	2001
Fabienne M.		
Grillet-Tinner	Fall	2000
Amber I. Inwood	Fall	2000

**Dorothy Ogden Carsey
Memorial Scholarship Fund**

Miriam R. Akselrod	Fall	2000
--------------------	------	------

**W. Kenley Clark Memorial
Endowed Presidential
Scholarship**

Kelley E. Keese Fall 2000
 Spring 2001

**Robert H. Cuyler Endowed
Presidential Scholarship**

Christy M. Kohl Fall 2000
 Spring 2001

**Guy E. Green Endowed
Presidential Scholarship**

Whitney Goodrich Fall 2000
 Spring 2001

**Karl Frederick Hagemeyer, Jr.
Memorial Endowed Presidential
Scholarship**

John S. Larkin Fall 2000
 Spring 2001

**Bill D. Holland Endowed
Presidential Scholarship in
Geological Sciences**

Hallie K. Garrett Fall 2000
 Spring 2001

**John H. and Lujza McCammon
Endowed Scholarship**

Rachel E. Autenrieth Spring 2001
Tom P. Eiting Fall 2000

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

Brian M. Whitenight Fall 2000

Michaux Scholarship Fund

Ryan M. Parks Spring 2001

**Joan A. Middleton Endowed
Scholarship in Geology**

Catherine C. Stahn Fall 2000

**Carroll C. Miller Endowed
Presidential Scholarship**

Jonathan M. Skaggs Fall 2000
 Spring 2001

**Wes Ogden Memorial
Scholarship in Geophysics**

Carrie A. Beveridge Fall 2000

**Phillips Petroleum
Company Scholarship**

Miriam R. Akselrod Summer 2001
John F. Bacon Summer 2001
Charles L. Hurst Summer 2001
Abigail L. Watkins Summer 2001

**Louis and Elizabeth Scherck
Geology Scholarship**

John F. Bacon Fall 2000
 Spring 2001
Nathan A. Bryant Fall 2000
Michael N. Michaelides Spring 2001
Catherine C. Stahn Fall 2000
Christopher M. Urbina Fall 2000
 Spring 2001

**F. W. Simonds Endowed
Presidential Scholarship**

Austin K. Baldwin Fall 2000
 Spring 2001

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

Glen A. Anderson Spring 2001
Carrie A. Beveridge Summer 2001
Michael C. Dawidczik Fall 2000
 Spring 2001
 Summer 2001
Leighton L. Devine Summer 2001
Adam M. Dunn Fall 2000
Patrick T. Fortson Spring 2001
Whitney Goodrich Summer 2001
Kimberly A. High Summer 2001
Ross J. Holden Spring 2001
F. Ryan McGilveray Spring 2001

Texaco, Inc. Scholarship

Holly L. Barton Summer 2001
Jennifer A. Cote Summer 2001
James E. Gradney Summer 2001
Kelley E. Keese Summer 2001
David P. Rodriguez Spring 2001
Jonathan W. Snatic Summer 2001
Kristopher S. Villarreal Summer 2001
Chi Tseng Wu Spring 2001

**David S. Thayer
Memorial Scholarship Fund**

Robert L. Chandler Summer 2001
Anne M. Christian Summer 2001

Udden Memorial Scholarship Fund

Jennifer A. Cote Summer 2001
James E. Gradney Fall 2000

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

Yann A. Curtis Summer 2001
Amanda J. McCutcheon Fall 2000

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

Evan J. Androl Summer 2001
Bryan P. Bailey Summer 2001
Joseph A. Beery Summer 2001
Joseph T. Bentley Summer 2001
Johnathan R. Bumgarner Spring 2001
Robert L. Chandler Summer 2001
Yann A. Curtis Summer 2001
David M. Eglsaer Spring 2001
Christina A. Garcia Summer 2001
Kristin A. Goddard Summer 2001
Rafael E. Herrera Summer 2001
Kimberly A. High Spring 2001
Annie E. Hoffman Summer 2001
Ross J. Holden Summer 2001
Kelley E. Keese Summer 2001
Susan C. Palachek Summer 2001
Ryan M. Parks Spring 2001

David P. Rodriguez Spring 2001
Kristopher S. Villarreal Summer 2001
Clarence S. Winzer Summer 2001

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

Fabienne M. Grellet-Tinner Fall 2000
Spring 2001

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

Holly L. Barton Summer 2001
Marcus O. Gary Summer 2001
Chris M. Urbina Summer 2001

**SCHOLARSHIPS
AND GRANTS FROM
OTHER AGENCIES**

**American Association of
Petroleum Geologists L. Austin
Weeks Undergraduate Grant**

Adrienne U. Ruppelt

Austin Gem and Mineral Society

David C. Dunbar Spring 2001
Fabienne M. Grellet-Tinner Spring 2001
Christopher B. Strganac Spring 2001
Brian M. Whitenight Fall 2000

**UNDERGRADUATE DEGREES IN
GEOLOGICAL SCIENCES CONFERRED
BY THE UNIVERSITY OF TEXAS AT
AUSTIN—2000-2001**

**Bachelor of Arts
August 2000 (2)**

Jennifer E. Pollom
William W. Wiggins

**Bachelor of Science
August 2000 (14)**

Nathan J. Andrews
Hayden J. Bray
Christina J. Brister
Sean P. Chapman
Jennifer L. Delk
Rebecca A. Fusee
Mary M. Harrison
Emily L. Lu
Roman C. Pineda
Douglas S. Sassen

Dennis S. Settemeyer
Matthew C. Van Wie
Stephanie D. Wise
Joseph Wright

**Bachelor of Arts
December 2000 (4)**

Adam M. Dunn
Guadalupe I. Hernandez
Matthew A. Keirstead
Patrick E. Reilly

**Bachelor of Science
December 2000 (5)**

Aaron P. Abel
Robert W. Andren
David M. Burns

Jason R. Jones
Brian M. Whitenight

**Bachelor of Arts
May 2001 (3)**

Timothy D. Gibbons
Fabienne M. Grellet-Tinner—
High Honors
Reilly J. Holmgreen

**Bachelor of Science
May 2001 (6)**

David M. Eglaser
Robert F. Keirstead
Kimberly G. Rogers
Jonathan M. Skaggs—
Special Honors in Geological Sciences
Makenzie M. Smith
Catherine C. Stahn

BUREAU OF ECONOMIC GEOLOGY

BY SYLVIA JENNETTE

What a ride! The Bureau has suddenly become a busy place as it assumes ever-expanding roles in the geoscience world. Director Scott W. Tinker has set an exciting pace for research, partnerships, public education, and outreach. The Bureau has increased its staff in size and expertise; received additional State, Federal, and private funding; and, through the portals of its revamped Web site, annual and mid-year reports, and the Petroleum Technology Transfer Council, now welcomes the world to see firsthand what the Bureau is all about.

The Bureau is now served by three Associate Directors: Douglas C. Ratcliff, Associate Director for Administration; Jay A. Raney, Associate Director for Environmental Programs; and Eric C. Potter, new Associate Director for Energy Programs. Eric joined the Bureau in April 2001 after 25 years with Marathon Oil Company. His arrival coincided with the promotion of Senior Research Scientist Charles Kerans to the new part-time, internal Bureau position of Senior Technical Advisor to the Director.

One measure of quality in a scientist is recognition by his or her peers. The Bureau is proud to recognize those researchers who have received major awards within the past year: Milo Backus, Shirley P. Dutton, William L. Fisher, Charles Kerans, Robert G. Loucks, F. Jerry Lucia, Bridget R. Scanlon, and Lesli J. Wood.

These and other researchers contributed to the 80 technical papers, five books, five book chapters, and eight copyrighted software packages published in 2000.

TEXAS-BASED RESEARCH

The Bureau's mission has always been to build a better understanding of the geology and resources of Texas. The U.S. Department of Energy (DOE), a funding partner for Bureau research both within and outside of Texas, currently supports Texas-based research into CO₂ sequestration; West Texas and New Mexico reservoir characterization; gas-hydrate and four-component seismic applications; engineered covers for toxic-waste containment; and the Texas Region Petroleum Technology Transfer Council, a nationwide program to assist independent oil and gas producers.

The Bureau's largest DOE-funded project is the Offshore Secondary Gas Recovery (SGR) program. In its third year, the SGR is part of a 10-year-old DOE Secondary Gas Recovery program currently targeting the northern offshore Gulf of Mexico, Federal Outer Continental Shelf. SGR researchers are studying oil- and gas-producing reservoirs in order to develop new technologies for increasing hydrocarbon recovery.

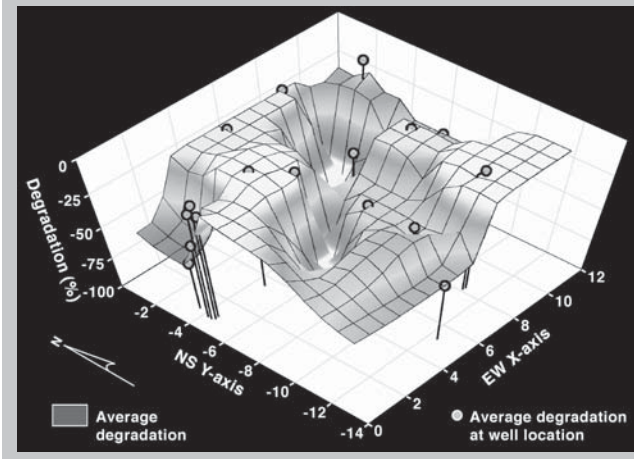
Bureau projects within Texas also include:

- ULARI: University Lands Advanced Recovery Initiative—A long-term partnership with The University of Texas System designed to apply new concepts and technologies for increasing oil and gas production on UT leases within the Permian Basin of West Texas.
- STARR: The State of Texas Advanced Resource Recovery project—Another long-term, UT partnership with the State designed to increase royalty income to the Permanent School Fund by applying technology to help operators increase production by drilling oil and gas wells more efficiently.
- STATEMAP— a joint Bureau-U.S. Geological Survey project that has resulted in 150 open-file geologic maps of regions vital to Texas.
- Constructing four Groundwater Availability Models (GAM's) for the Texas Water Development Board that will provide timely, reliable, and standardized groundwater data for public use, as required by the Texas Legislature.



DIRECTOR SCOTT W. TINKER (CENTER) ADDRESSES 300 MIDDLE SCHOOL STUDENTS AT THE BUREAU'S 2000 CAREER FAIR DAY.

PHOTO PROVIDED BY DAVID M. STEPHENS.



THE DIAGRAM PORTRAYS THE REGIONAL DISTRIBUTION OF "DEGRADATION," A PARAMETER DERIVED FROM CORE ANALYSIS THAT PREDICTS THE LOCATION OF OPEN NATURAL FRACTURES. THIS AND OTHER METHODS TO CHARACTERIZE FRACTURE SYSTEMS ARE RESEARCH TOPICS OF THE FRACTURE RESEARCH AND APPLICATION CONSORTIUM.

GRAPHIC PROVIDED BY STEPHEN E. LAUBACH.

- Using advanced airborne geophysical methods to identify underground water sources in the Lower Rio Grande Valley. Once these water sources have been identified, electromagnetic induction methods will help in assessing depth to water and water quality.
- Using Bureau-owned airborne LIDAR (Light Detection And Ranging) surveys to create detailed topographic surveys for monitoring coastal-erosion and storm hazards along the Texas and Gulf shorelines.

RESEARCH AROUND THE WORLD

Bureau researchers ply their craft around the world, too, commonly through the Bureau's four well-established, industry-supported Industrial Associate Programs (IA's).

- Characterizing carbonate reservoirs is the focus of the Reservoir Characterization Research Laboratory (RCRL).
- The Applied Geodynamics Laboratory (AGL) investigates tectonic processes and related salt movement associated with oil and gas accumulations.
- Fracture Research and Application Consortium (FRAC) researchers characterize and predict fractures and faults at reservoir scale.
- Geophysicists in the Exploration Geophysics Laboratory (EGL) develop multicomponent seismic technologies to help "image" oil and gas reservoirs.

NEIGHBORS TO THE SOUTH: LATIN AMERICA

Collaborative research and partnerships with academic, industrial, and government entities in Latin America are prime goals of the Bureau. Since 1970, Bureau scientists have conducted research in six Latin American countries.

Over the past five years, the Bureau has conducted many collaborative environmental studies in the countries of Belize, Honduras, and Venezuela. Several of these projects continue today. Negotiations are currently under way for studies in Costa Rica, Brazil, and Ecuador.

Closer to home, in the Texas-Mexico border area, Bureau researchers have produced a transnational digital database of the border area's geology. These data provide invaluable information for Mexican and American researchers alike.

Two basins in southern Mexico are the focus of current research for the Mexican oil company PEMEX. Results of this study will help guide PEMEX exploration strategies for meeting the country's increasing demand for natural gas resources.

EDUCATION AND OUTREACH

- Many Bureau researchers are active in outreach:
 - Together with the American Geological Institute, Bureau researchers are developing interactive, Web-based education modules that provide training in geological, geophysical, and engineering methods for reservoir characterization.
 - The Bureau proudly hosts the now annual Career Fair Day (CFD) during national Earth Science Week. Middle school students spend an exciting day with geoscience experts who discuss their work as geologists, paleontologists, meteorologists, space engineers, museum curators, educators, hydrologists, and geochemists. The second annual CFD, October 9, 2001, will welcome 600 students from schools across Austin.
 - Nearly 5,000 Texas teachers will attend the Conference for the Advancement of Science Teaching (CAST) in Austin November 1 through 3, 2001. The Bureau, Department of Geological Sciences, and Institute for Geophysics are collaborators for "Geoscience Alliance," an exhibit that will showcase each department's outreach programs. The Bureau will also offer a field trip, three short courses, and virtual reality demonstrations. For more information, see www.beg.utexas.edu.

INSTITUTE FOR GEOPHYSICS (UTIG)

by Katherine Ellins

As the Institute for Geophysics enters the new millennium, there are plans for expansion beyond UTIG's collection of research, training, and outreach projects. Most exciting, a generous gift from the G. Unger Vetlesen Foundation has provided the major funding for a new research effort in quantitative climate modeling based on the climate variations preserved in the geologic record. This initiative takes advantage of UTIG's existing expertise in climate change observations and computational modeling. It also provides a unique opportunity to develop more powerful and more accurate climate prediction models. As part of this new initiative, Charles Jackson, a talented paleoclimate modeler, joined UTIG's research staff in September 2000. Another computational climatologist will join him in September 2001.

Looking forward to 2003, when the Integrated Ocean Drilling Program (IODP) will replace the current ODP, several UTIG scientists expect to play central roles in both designing and managing the new program's geophysical facilities and in related data acquisition and processing efforts. Two senior research scientists, Jamie Austin and Mike Coffin, and UTIG Director Paul Stoffa currently serve on the committees planning the IODP's management structure and scientific program. As the IODP reconfigures existing drilling activities for regional geologic contexts and defines new riser and riserless drilling sites, the Institute's expertise in 3-D seismic imaging will be more valuable than ever. This expertise and the rewards of such international collaboration are currently manifest in a joint United States-Japanese investigation of subduction processes in the Nankai Trough offshore Japan. Led by two UTIG scientists, Tom Shipley and Nathan Bangs, the research team has surveyed and is currently processing images of the Nankai seismogenic zone in an effort to better understand earthquake genesis and in preparation for post-2003 drilling.

The Nankai survey was the largest-ever academic 3-D survey of its type. Scientists at UTIG are striving to match such record-breaking data acquisition with comparable breakthroughs in dissemination. The massive archive of marine seismic reflection data,

collected worldwide by UTIG investigators since 1974, will soon be available online to the international marine geophysical community and industry. The Institute's Seismic Reflection Data Search (SRDS) Web site will not only facilitate access to this 26-year archive but also serve as the prototype for an international equivalent.

Finally, having worked out of rented space for nearly two decades, UTIG expects to be housed permanently in The University of Texas at Austin's Pickle Research Campus in the near future. The Institute's planned new location will provide the advantage of proximity to UT's Bureau of Economic Geology, a natural collaborator in research projects related to resource exploration.

AWARDS

UTIG Associate Director Ian Dalziel was the guest of honor at the opening of The Science Place's TI Founders IMAX Theater in Dallas in February 2001. The theater showed the regional premier of the IMAX film, *Shackleton's Antarctic Adventure*. Ian was invited because of his superior scientific accomplishments based on three decades of research in Antarctica.

Patty Ganey-Curry received a College of Natural Sciences staff excellence award for her successful management of the Gulf Basin Depositional Synthesis project, role as industry liaison, work with students and alumni, and outstanding achievements in K-12 educational outreach.

GIFTS

Advanced Micro Devices will give UTIG an eight-node Athlon cluster to permit expansion of UTIG's current 16-node cluster computer, purchased with a gift from the Shell Oil Company Foundation, to a 24-node system. This increase in UTIG's computational capability is needed to match the huge volume of data that will be acquired by 3-D multichannel seismic surveys for the planned Integrated Ocean Drilling Program for site characterization, as well as to fully implement its new numerical climate modeling initiative. The goal is a 128-node cluster computer.

Walter Geology Library

by Dennis Trombatore

There is big news for the Walter Library for 2000-2001, as the pace of change accelerates. No sooner was last year's report completed than the General Libraries was offered the entire technical library of ARCO, Plano, recently acquired by BP-Amoco. This offer came right before the July 4th holiday with the stipulation that the entire 135,000 volume collection had to be removed from the ARCO site by August 1.

Thanks to almost heroic efforts by many General Libraries staff, funding was found, arrangements were made, and less than 30 days later, four semi trucks full of books, journals, and maps in almost-correct order were crammed into off-site storage. After the Regents accepted the \$5 million gift in November, librarians began the slow task of sifting the collection to select new materials for the Walter Library and the other four science collections. It is expected that some of the considerable duplication will eventually be offered to other UT System component libraries. Meanwhile, the flow of new materials to the Walter Library has nearly doubled as the ARCO selections make their way onto the shelves.

At the same time, the new world of E-journals debuted, with more than 75 major geology periodicals now arriving in electronic-only format. This creates challenges for users, who now must take a more active role to stay abreast of the current literature by creating profiles online and reviewing journal sites regularly. License arrangements for these materials are quite expensive, but students and faculty seem pleased with the desktop access and more licenses are under review, notably for journals from

publishers Springer, Kluwer, and Wiley. Some of these materials will be paid for under statewide licensing agreements, lowering local expenditures but redirecting a growing proportion of state funding to such consortial arrangements. Other licenses are for UT-only access, such as AAPG Data-pages, subsidized by the Barrow Periodicals Fund. It is an exciting new era for science and technology libraries in particular.

As the Library is inexorably filling up, relief is on the way. With the groundbreaking for the building addition in April, the Walter Library will soon be adding almost 2,000 square feet to the Library space. Thanks to a very generous additional pledge of \$1.2 million from the Walter family, renovating the old space to modernize and improve the Library's layout, services, and appearance will also be possible. While the interval is likely to be trying, the end result will be a greatly improved Library more adapted to today's users and modern staff operations.

At the fall 2000 Advisory Council meeting, a large color portrait of the Walters was unveiled and has been hung in a prominent location in the Walter Library, reminding visitors and staff of the significant role the Walter family has played in the Library's growth and development.

Jo Soto continues her staff sharing from the Fine Arts Library two days a week to assist in improving catalog access to the collection, particularly for materials being sent to the Library Storage Facility. Carol Russell has begun converting thousands of title records for USGS series maps to fully searchable catalog records, further augmenting access to the Tobin

Map Collection. Jim McCulloch has substantially redesigned the Walter Library Web site, which now has more than 200 other Web sites linked to it, and has added a terrific guide to "virtual" geologic field trip guides, while Peter Larsen has created a collection guide for Texas Floods. Over the summer, the General Libraries will be changing the addresses of all library Web sites, so if you have the Walter Geology Library Web site bookmarked, watch for the new address!

Awards and Honors

In other staff news, Melissa Van Ostran, night supervisor, received her 20-year service award. Dennis Trombatore, Librarian, received his 15-year service award, and was honored as one of 30 University Excellence Award winners. (This award includes a \$1,000 cash award.) In the spring 2001 semester, Dennis and the other six UT science librarians were invited to team-teach Science Reference in the Graduate School of Library and Information Science, a time-consuming but rewarding experience. Hallie Garrett, a geology undergraduate major, has been working part-time on the Geology Foundation's Burke Student Fund, processing field-trip guidebooks for a new online database on the AGI Web site.

This year's winners of the Thelma Lynn Guion Geology Library Staff Award are Jeff Newberry and Rebecca Romanchuk, both of whom were instrumental in the delivery and processing of the ARCO Library gift. The Guion Award includes a \$150 cash award. Special thanks to Jeff and Becky for their hard work.

Vertebrate Paleontology Laboratory

by Timothy Rowe

*John A. Wilson,
Founder of
the Vertebrate
Paleontology
Laboratory,
Receives the
Romer-Simpson
Medal*



PHOTO TAKEN IN APPROXIMATELY 1955 SHOWING JACK WORKING AT THE VERTEBRATE PALEONTOLOGY LAB ON SOME OF THE FOSSIL FISHES THAT HE COLLECTED FROM THE TEXAS PERMIAN.

PHOTO PROVIDED BY TIM ROWE.

Since its founding in 1940, the Society for Vertebrate Paleontology (SVP) has become the world's premiere society for professional paleontologists. This year at its annual meeting in Mexico City, Mexico, the SVP awarded Professor John Andrew Wilson its highest honor, the Romer-Simpson Medal. Congratulations, Jack!

This prestigious medal was named after two of the 20th century's greatest paleontologists, Alfred Sherwood Romer and George Gaylord Simpson. Only about a dozen people have received this honor, which is bestowed upon individuals who made contributions that have been felt throughout the world of paleontology.

In making this award, the SVP recognized that Dr. Wilson did two things that neither Romer nor Simpson ever accomplished. He founded a new vertebrate paleontology collections facility—UT's Vertebrate Paleontology Laboratory—and he started a new graduate program in vertebrate paleontology. None of the previous medal awardees can boast a "speciation event" quite like Jack's either. The other winners, like Romer and Simpson themselves, made their unique contributions after stepping into established programs. Jack spawned an entirely new program, and one that has been exceptionally productive.

Jack received a B.A. degree in 1937 and a Ph.D. in 1941, under the direction of E. C. Case, at the University

of Michigan. While still a student at Michigan, Dr. Case brought Jack to Texas to collect vertebrate fossils from Permian rocks near the Panhandle. Thus began what would unfold as a 60-year career of fossil collecting in Texas. After graduating with his Ph.D., Jack served in the U.S. Naval Reserve in 1943-1945, where he saw action in the battle for the Pacific. Following the War, Jack taught geology at The University of Idaho School of Mines. He joined the staff of the Department of Geology of the University of Texas, Austin in 1946, and he served as Professor of Geology from 1955 until his retirement from teaching in 1976. He is now Professor Emeritus.

Founding the Vertebrate Paleontology Laboratory was one of Jack's

many significant contributions to both the University and the profession. Jack began the work in 1949 by restoring collections that had been made by different branches of the University in 1935-1937 and 1940-1941. Much of the earlier work had been carried out under the auspices of the Works Progress Administration (WPA), and a significant collection had begun to accumulate. But World War II disrupted paleontology at UT, and in the chaos of the war effort, most of the fossils that had been gathered in Austin became scattered across the UT campus and its various agencies like the Texas Memorial Museum and Bureau of Economic Geology. Jack located all the specimens and assembled them together into a single teaching and research collection.

At the outset, the Vertebrate Paleontology Lab had no budget, and it depended entirely on Jack's skill at bartering with academic departments on campus. Jack added graduate courses in vertebrate paleontology and, with his students, he began to amass research specimens from the Tertiary of the Gulf Coast and from Trans-Pecos Texas. Together, Jack and his students built the core of the Lab's collections as they generated a large body of fundamental research on the geology and paleontology of Texas and adjacent regions.

The Vertebrate Paleontology Lab is now 52 years old, and so far 68 Master's and Ph.D. degrees have been awarded to the graduate students who have trained at the Lab and used its collections. The VP Lab now holds roughly 300,000 specimens, among which are more than 100 type specimens, including some of Edward Drinker Cope's classic material collected during the Dumble Survey. The VP Lab also houses special collections made from state and

national parks and other public lands, a special collection from the Navajo Nation, collections from Mexico, and collections from elsewhere in the region. The Lab's holdings of southwestern vertebrates are unsurpassed, and researchers and graduate students from around the world regularly visit the Lab to use its collections. The VP Lab has also outlasted many other collections started by other academic institutions in Texas, and it is now adopting a growing volume of orphaned collections left by these institutions as their paleontology programs have fizzled out. At present, there are ten graduate students who are working theses or dissertations based on the Lab's holdings.

Jack's research contributions are many and diverse. They include works on the fishes and amphibians from the Texas Permian and Triassic, but his most significant works involve his establishment of a biochronology for the Tertiary of Texas and Mexico. The stratigraphic section that Jack established in this region is in many respects the most complete and richly documented in North America. Jack discovered and described the many successive faunas, naming many new species, and having others named for him as his students have continued his research interests. Jack also published on the volcanics of the region and their radiometric ages and on the philosophy of stratigraphy and biochronology. At the invitation of the Instituto Geologia de Mexico, he spent many months in Mexico and published extensively on its vertebrate paleontology and Tertiary stratigraphy. Even today, many of Jack's research areas lie in remote and difficult terrains, and in the 1950's and 1960's his work in these regions required a tremendous effort.

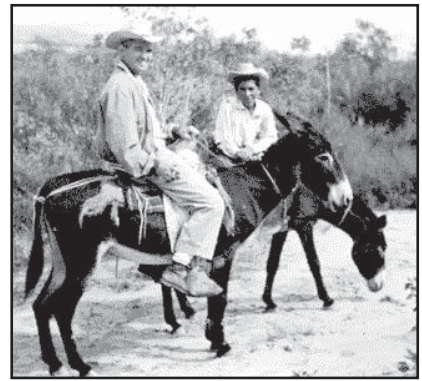


PHOTO TAKEN IN APPROXIMATELY 1965 OF JACK (LEFT) ON A DONKEY, WHILE WORKING IN MEXICO.

PHOTO PROVIDED BY TIM ROWE.

Jack is a charter member of the SVP, and he served as Secretary-Treasurer in 1949-1951, and as President in 1952. He was Chairman of the Committee of the Revision of the Time and Time-Stratigraphic Portion of the Code of the American Commission of Stratigraphic Nomenclature. He was a Commissioner representing the American Association of Petroleum Geologists on the American Commission of Stratigraphic Nomenclature. He served as Vice-Chairman and Secretary in 1968-1970 and Chairman of the Commission in 1971. In his two decades as Professor of Geology, Jack trained 21 Master's and doctoral students, including UT Professor Emeritus Ernie Lundelius, who is also a past president of the SVP and former Director of the Vertebrate Paleontology Laboratory.

Jack's award was especially fitting in light of the venue for this year's SVP meetings. The scope and importance of his contributions to the vertebrate paleontology of Mexico and the southwestern United States are unsurpassed. The Romer-Simpson Medal is a fitting recognition for the special nature of Jack's tremendous contribution to the profession and to the lasting contribution he has made to UT.

Moving on: Action in the Non-vertebrate Collections of the Museum

by **Ann Molineux**

This has been a year of exciting changes in the Non-vertebrate Paleontology Laboratory (NPL) collections as more of the geological specimens formerly held on campus have made their way out to us, and several donations allowed us to acquire some extraordinary specimens.

Most of the Mesozoic collection, accumulated by the careful research of Keith Young and his students, moved out to NPL this fall. Dr. Young himself is a welcome addition to NPL, where he now continues to do his research. This spring, the imminent extension to the Geology Building impelled the relocation of many of the Paleozoic specimens accumulated by the research of James Sprinkle and his students.

New fossil specimens from other sources included a remarkable lagerstätten of Pennsylvanian aged sea urchins from the Winchell Formation in North-Central Texas and an outstanding collection of brachiopods from around the world. The brachiopods, collected by the late Emmett Wallace, a serious amateur paleontologist, were donated to the Museum by his widow, Jean Wallace.



MR. AND MRS. RAY BURKE (FAR RIGHT) WITH STUDENTS MIRIAM AKSELROD (SECOND FROM LEFT) AND GERALD GRELLET-TINNER (LEFT) AT NPL.

PHOTO PROVIDED BY ANN MOLINEUX.

The sea urchin slab, which will be an important part of the dissertation research of Chris Schneider, was made possible by the generosity of several donors including the Austin Paleontology Society and the Geology Foundation.

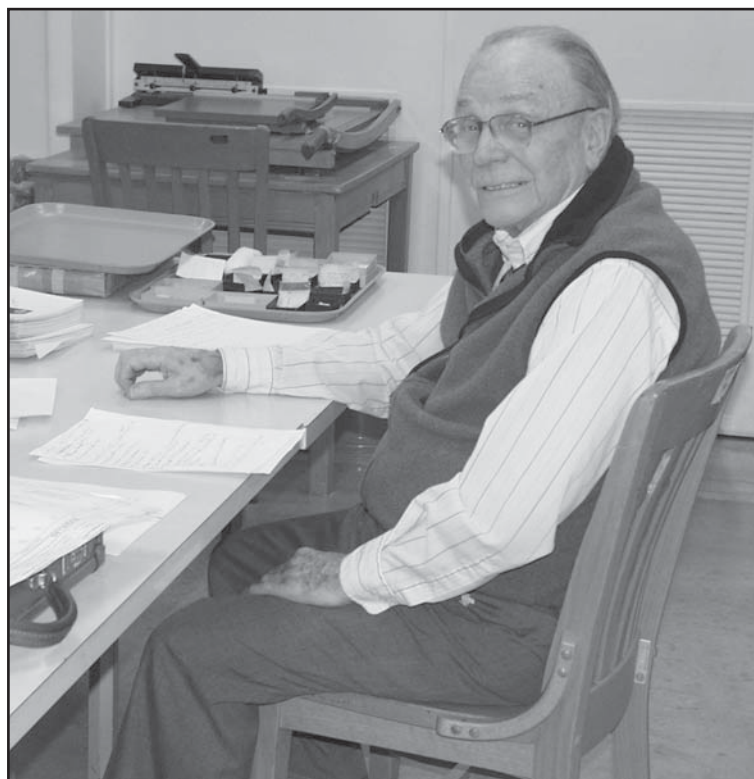
In addition to the continuing work on the fossil and mineral collections, work was also begun on the meteorites and tektites. The project benefited greatly from a visit by Tim McCoy (Curator-in-Charge, Meteorite Collection, Smithsonian). Current plans include the addition of the Virgil Barnes collection of tektites to our collection and the development of a Web-accessible database, and an innovative, educational Web site. We were delighted to host family members of the late Virgil Barnes in November. Minerals from the NPL collection feature prominently in our new exhibit illuminating the work of Glen Evans, a remarkable geologist and former Associate Director of the Texas Memorial Museum (of Science and History, TMMSH). This exhibit can be seen at 301 Congress, or on the Web.

Once again this year, TMMSH's fund for hiring student workers was supplemented with resources from the Geology Foundation. The Thomas and Ray Burke Student Job Program supported Amber Inwood and Fabienne Grellet-Tinner in fall 2000, and other funds from the Foundation supported Melissa Gunter, Chris Schneider, and Fabienne Grellet-Tinner for Summer 2001. We were especially pleased to be able to host, and personally thank, Mr. and Mrs. Ray Burke last summer. Scholarships from the Dorothy Ogden Carsey Memorial Scholarship Fund enabled Chris Schneider and Miriam Akselrod to do research in the Collections during fall 2000. Museum support made it possible for us to retain several student workers who were involved in last year's Institute of Museum and Library Services (IMLS) grant. Undergraduates Fabienne Grellet-Tinner and Annie Hoffman and graduate students Dave Dufeu, Chris Schneider, and Scott Gainer were added to our crew this year, and geology undergraduates Miriam Akselrod, David Eglsaer, Melissa Gunter, and Tim Gibbons continued from last year. Amber Inwood, a visiting undergraduate from Australia, joined the crew for the fall. Our vocabulary developed enormously during her all-too-brief stay.

The students employed by NPL have the opportunity to participate in every phase of collection management and conservation, and take an increasing amount of responsibility as their skill level rises. Fabienne Grellet-Tinner spent the fall inspecting the entire type collection, doing conservation on the numerous specimens that were found

to be in critical condition. Dave Dufeu also worked in the type collection during last summer. He checked the specimens with their literature records and began adding them to our database. During the fall, Chris Schneider analyzed and inventoried the Keith Young collection before it was removed from the Geology Building to NPL. This spring, Miriam Akselrod and Fabienne Grellet-Tinner have been in charge of incorporating these specimens into the NPL collections. This involves unpacking the specimens, filing them in foam-lined drawers and boxes, entering the specimen data into the database, archiving labels, and incorporating data from the catalogs. Several students will spend the summer beginning to inventory and sort the Paleozoic collection, which had to be moved at short notice, and so could not be inventoried beforehand.

Melissa Gunter continued to train newly hired student assistants, became expert in the art of loan packing, and has been keenly interested in the multimedia project "Reefs of Texas" (which is a prototype for inclusion in a future exhibit). David Eglsaer addressed the large backlog of unprocessed



DR. KEITH YOUNG RELIEVED TO FIND BOTH RESEARCH SPACE AND HIS COLLECTIONS ACCESSIBLE AT THE NPL.

PHOTO PROVIDED BY ANN MOLINEUX.

returned loans and developed a loan section for the database. He was also a key figure preparing space at NPL for the physical moves of the Mesozoic and Paleozoic collections. Tim Gibbons inventoried our Recent Marine collection, computerized the existing catalog of these specimens, and then took on the task of scanning the original BEG locality cards. We are making an online archive of these locality cards and will eventually attempt to retrace these early footsteps with Global Positioning System equipment, where the sites are still accessible. David and Amber used their new skills with ArcView to plot localities within Travis County, producing a map of sites that have been lost through urban and lake development. Thanks to the efforts of all these students and several volunteers, our computer inventory is approaching 150,000 specimens. Although this figure is still far from the total estimated specimen count of 4 million, we can now perform computer searches for those specific specimens, and rapidly locate them within the collection. Two years ago this would have been an impossible task.

Our students had several opportunities to participate in field trips during the year. A visit to a Glen Rose rudist reef in the Pipe Creek area of Bandera County proved particularly interesting for Melissa and Miriam. The site included an extensive exposure of an echinoid-rich layer above the main rudist zone and a cave that allowed access right inside the reef-like structure itself. It proved to be an interesting contrast to the rudists found in the Edwards formation, which we had

investigated earlier this year at the new Motorola University site in Austin.

Numerous researchers, students, and professors from UT and elsewhere used the collections this year. In November, we had a delightful visit by two students from the University of Marburg, Germany, which sent nearly all of our students into the collections for a massive search for rostroconchs (unusual molluscs). Because these organisms were only fairly recently recognized as a separate taxonomic group, earlier workers in the collection did not catalog them as such, making it difficult to locate except by visual inspection. Until our entire collection has been inventoried, we shall often have to rely upon a targeted, but manual, search of this collection to fulfill certain requests.

Rostroconch research currently entails the destructive process of serial sectioning of specimens in order to decipher internal structures. We are investigating the possibility of doing such sectioning by Computed Tomography (CT) scanning instead, using the Department of Geological Sciences CT labs' facilities, and the test results are highly promising. We hope to be able to use this technique for many other specimens, especially those within the type collection.

The Non-vertebrate Paleontology Laboratory is actively pursuing grants and other sources of funding to enable collection improvement. To address the long-term curation of the collections, Dr. Ann Molineux has a pledged challenge donation of \$5,000 for the development of an endowment in the Geology Foundation. The endowment will be known as the Keith and Ann Young Fund for the Curation of Non-Vertebrate Collections. This endowment will serve to acknowledge the prolific and critical research, combined with diligent curation, achieved during the career of Dr. Keith Young, Professor Emeritus.

Web Links

Main NPL home page:

<http://www.tmm.utexas.edu/npl/>

Gems and Minerals:

<http://www.tmm.utexas.edu/npl/mineralogy/>

Glen Evans exhibit:

http://www.tmm.utexas.edu/exhibits/glen_evans

Access also available via the Museum homepage:

<http://www.texasmemorialmuseum.org>

GEOLOGY FOUNDATION ADVISORY COUNCIL NEWS

The Geology Foundation was established by The University of Texas Board of Regents in 1953 to enhance and enrich geological education, training, and research at The University of Texas at Austin. It stands as one of the best endowed geologic foundations in the nation with 118 endowed accounts and a market value of \$52.4 million as of May 31, 2001.

The Foundation is governed by the Faculty Review Committee consisting of the Foundation Director, the Department Chairman, the Director of the Bureau of Economic Geology, and two additional faculty members. William L. Fisher, Leonidas T. Barrow Centennial Chair in Mineral Resources and Professor, has served as Foundation Director since 1984.

The prominent part of the Geology Foundation is its Advisory Council, currently consisting of 47 members, including 6 Honorary Life Members, drawn from the energy and environmental industries, government, and academia. The Council supports and counsels the Director and the Faculty Review Committee. Current Chairman is Mr. L. Decker Dawson, President of Dawson Geophysical Company in Midland, Texas. Mr. James C. Patterson, retired from Conoco, of Houston, Texas, is Vice Chairman. A committee of the Council, chaired by Dr. Peter T. Flawn, serves as an advisory committee to the Bureau of Economic Geology. The Advisory Council meets twice yearly, in the spring and in the fall.

We were saddened during the past year by the death of two of our Honorary Life Members. Mr. Don R. Boyd died



HONORARY LIFE MEMBERS, DR. THOMAS D. BARROW (LEFT), AND MR. JOHN A. JACKSON (RIGHT) VISIT AT THE FALL ADVISORY COUNCIL MEETING ON OCTOBER 6, 2000.



BILL GIPSON, HONORARY LIFE MEMBER (LEFT), AND ADVISORY COUNCIL CHAIRMAN, DICK BLOOMER (RIGHT), AT FALL ADVISORY COUNCIL MEETING ON OCTOBER 6, 2000.



MR. JOHN A. JACKSON ADDRESSES THE ADVISORY COUNCIL AT THE FALL MEETING ON OCTOBER 6, 2000.



FOUNDATION DIRECTOR BILL FISHER (LEFT), PRESENTS PLAQUE OF APPRECIATION TO OUTGOING ADVISORY COUNCIL MEMBER, MR. CHARLES HOOPER (RIGHT), AT THE SPRING MEETING ON MARCH 30, 2001.



INCOMING ADVISORY COUNCIL CHAIRMAN, MR. L. DECKER DAWSON (LEFT), GIVES PLAQUE OF APPRECIATION TO OUTGOING CHAIRMAN, DR. RICHARD R. BLOOMER (RIGHT), AT THE SPRING MEETING ON MARCH 30, 2001.



HONORARY LIFE MEMBER, DR. ROBERT E. BOYER (LEFT), AND MR. SCOTTY HOLLAND, FORMER CHAIRMAN OF THE GEOLOGY FOUNDATION ADVISORY COUNCIL (RIGHT), VISIT DURING THE SPRING MEETING OF THE ADVISORY COUNCIL ON MARCH 30, 2001.



UT SYSTEM CHANCELLOR, DAN BURCK (CENTER), ADDRESSES GEOLOGY FOUNDATION ADVISORY COUNCIL DURING SPRING MEETING ON MARCH 30, 2001.



ADVISORY COUNCIL MEMBERS PHIL WYCHE (CENTER) AND GERRY GILBERT (RIGHT) VISIT WITH DEAN OF COLLEGE OF NATURAL SCIENCES MARY ANN RANKIN (LEFT) AT THE ADVISORY COUNCIL MEETING ON MARCH 30, 2001.



ADVISORY COUNCIL HONORARY LIFE MEMBER DR. THOMAS D. BARROW (LEFT) CHATS WITH PROFESSOR EMERITI, JACK WILSON (CENTER) AND KEITH YOUNG (RIGHT) DURING A BREAK AT THE ADVISORY COUNCIL MEETING ON MARCH 30, 2001.

December 20, 2000, in Corpus Christi, Texas, after a long battle with cancer, and Mr. John L. Loftis, Jr., died August 13, 2000, in Houston, Texas. Both Don and John were former Chairmen of the Advisory Council. Don was an independent geologist, and John was a former Vice President of what is now ExxonMobil.

At the spring 2001 meeting, the Advisory Council elected four new members. With University administration approval, they join the Council for a three-year term, beginning September 1, 2001. They are Mr. Robert (Bob) Piotrowski, Exploration Manager, Near Term Production, Worldwide Exploration with Marathon Oil Company, in Houston, Texas; Dr. William E. Preeg, Director, IT Security, Schlumberger Austin Technology Center with Schlumberger Corporation, in Austin, Texas; Dr. David A. Stephenson, Vice President with S. S. Papadopoulos & Associates, Inc., in Jackson, Wyoming; and Dr. Charles R. (Chuck) Williamson, Chief Executive Officer with Unocal Corporation, in El Segundo, California.

Three members completed their terms at the end of August 2001. They are: Mr. Charles J. Hooper, of Houston, Texas; Mr. David F. Martineau, Exploration Manger with Pitts Oil Company, of Dallas, Texas; and Mr. Joseph E. Sullivan, Project Manager, West Africa New Ventures with Unocal Corporation, of Sugar Land, Texas. To all these outgoing members, we express our sincere appreciation for their service, support, and counsel.

At the fall 2000 meeting of the Geology Foundation Advisory Council, a special lunch marked the unveiling of a portrait of Mr. and Mrs. Joseph C. Walter, Jr. placed in the Joseph C. Walter, Jr. and Elizabeth C. Walter Geology Library. President Larry Faulkner unveiled the portrait and heard comments from Mrs. Walter and Mr. Joseph C. Walter, III. The Walter family are long-time supporters of the Geology Foundation, and their support has substantially enhanced the Walter Library and its holdings.

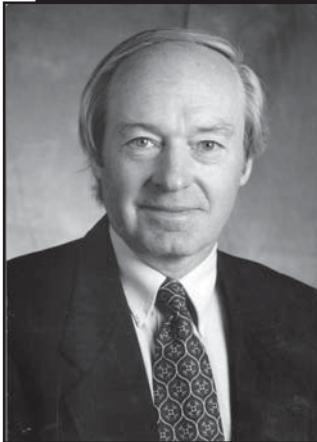
In addition to the \$15 million gift by Honorary Life Member Jack Jackson and his wife Katie (noted elsewhere in this *Newsletter*) and the \$25 million gift by Jackson to support the Jackson School of Geosciences (also noted elsewhere in this *Newsletter*), other gifts to the Foundation through May 31, 2001, amounted to \$688,273. New non-endowed accounts in the Foundation include the

Barrow Conference Room Remodeling Fund for remodeling of Geology 310, supported by Dr. Thomas D. Barrow; the EDGER Forum to support Forum for Exploration and Development Geophysics Education and Research, supported by the industry; the Second Keck Foundation Fund to purchase special equipment, supported by The W. M. Keck Foundation, the Mesozoic Margins Consortium to support sequence stratigraphic architecture and paleogeography of Mesozoic divergent margin basins, supported by industry. Major gifts were received from Dr. Thomas D. Barrow, Honorary Life Member, to various accounts; Dr. Thais Bullard, with support from Dr. Thomas D. Barrow, established and endowed the Fred M. Bullard Student Research Fund for student research in volcanology, geothermal energy, and related fields of study; Mr. Ray Burke, former Advisory Council Member, to the Thomas and Ray Burke Student Job Program; Robert W. and Elizabeth Bybee, to the Hal H. and Hal P. Bybee Memorial Funds; Mr. L. Decker Dawson, Advisory Council Chairman, to the L. Decker Dawson Fund in Exploration Geophysics; Dr. Rodger E. Denison, Advisory Council Member, who established and endowed the R. L. Folk/E. F. McBride Petrography Fund for the advancement of petrography; Byron F. and Connie Mayes Dyer, in memory of Don R. Boyd; Mr. Jerry Gilbert, unrestricted; The W. M. Keck Foundation, which established the Second Keck Foundation Fund to purchase special equipment; the J. D. and V. L. Langston Foundation, to the J. Donald Langston Special Operations Fund; Leon E. Long, Professor in the Department, unrestricted; Advisory Council Member, Mr. Jack Mayfield, unrestricted; Advisory Council Vice Chairman, James C. Patterson and his wife, Marjorie, to the James C. Patterson Fund for Excellence in the Geophysical Sciences; and Mr. Glenn Vargas, Lecturer in the Department, to the Glenn and Martha Vargas Fund for Gem and Mineral Curation.

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 \$118,998. Companies providing non-endowed scholarships and enrichment funds in the amount of \$178,150 through May 31, 2001, included BP Amoco, Chevron, Conoco, Exxon, Marathon, Phillips, Shell, and Texaco.



ROBERT G. (BOB)
PIOTROWSKI.



WILLIAM E.
(BILL) PREEG.



DAVID A. (DAVE)
STEPHENSON.



CHARLES R. (CHUCK)
WILLIAMSON.

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	Book Value	Market Value		Book Value	Market Value
Edwin Allday Centennial Chair in Subsurface Geology Income supplements salary and supports research of recipient	\$853,366	\$1,728,726	Bloomer Fund for Motivated Students Financial aid for students not qualified for scholarships	\$136,865	\$261,607
Edwin Allday Lectureship in Geological Sciences Provides for guest lectures in geological sciences	\$186,484	\$326,125	Leslie Bowling Professorship To attract persons from industry and government for short-term appointments of the faculty	\$264,002	\$426,467
Mary and Ben Anderson Endowment for Graduate Studies in Geology Supports graduate students and graduate programs in geology	\$43,935	\$74,721	Wayne Franklin Bowman Endowed Presidential Scholarship Unrestricted geology scholarships	\$121,928	\$287,792
Millard B. Arick Memorial Fund in Petroleum Geology Supports students to further interest in finding and producing more oil in Texas	\$13,319	\$16,037	Don R. and Patricia Kidd Boyd Lectureship in Petroleum Exploration Provides for guest lectures in petroleum exploration	\$60,974	\$126,181
Virgil E. and Mildred L. Barnes Distinguished Lecture Series in Geology Provides for guest lectures in geological sciences	\$46,371	\$52,502	Brahman Energy Company Scholarship Fund Senior field course scholarship	\$20,767	\$50,379
Col. E. M. Barron Trust Account Supports the Barron Mineral Collection	\$134,408	\$300,109	Charl A. M. Broquet Memorial Endowed Scholarship Fund Graduate student scholarship	\$14,305	\$15,605
Leonidas T. Barrow Centennial Chair in Mineral Resources Development of programs of excellence in mineral resources; income supplements salary and supports research of recipient	\$1,146,357	\$2,644,407	Jesse L. Brundrett Memorial Endowed Presidential Scholarship Graduate student scholarship	\$51,560	\$94,600
Laura Thomson Barrow Graduate Fellowship Supports graduate students specializing in natural resources; special consideration for female students and students concentrating on field-oriented studies	\$253,797	\$479,861	Fred M. Bullard Professorship in Geological Sciences Excellence in teaching, income supplements salary and supports research of recipient	\$380,815	\$499,812
Barrow Periodical Fund Purchases periodicals for the Walter Geology Library	\$219,058	\$309,624	Fred M. Bullard Student Research Fund Supports student research in volcanology, geothermal energy, and related fields of study	\$15,521	\$14,995
			Thomas and Ray Burke Student Job Program Jobs for students in geologic work related to faculty research	\$215,864	\$249,694

	Book Value	Market Value		Book Value	Market Value
Hal H. Bybee Memorial Fund Student field support or support of students researching geologic issues related to public policy	\$122,795	\$198,535	Robert H. Cuyler Endowed Presidential Scholarship Undergraduate (upper-division) and graduate scholarships	\$72,933	\$161,676
Hal P. Bybee Memorial Fund Faculty use for research, travel, study, etc.	\$629,367	\$1,414,314	Morgan J. Davis Centennial Chair in Petroleum Geology Income supplements salary and supports research of recipient	\$941,737	\$2,064,731
L. W. Callender Memorial Fund Department use, unrestricted	\$62,448	\$152,819	L. Decker Dawson Fund in Exploration Geophysics Supports activities in exploration geophysics	\$710,749	\$735,618
Dave P. Carlton Centennial Professorship in Geology Income supplements salary and supports research of recipient	\$697,391	\$1,603,383	Ronald K. DeFord Field Scholarship Fund Field studies for graduate students	\$227,577	\$498,684
Dave P. Carlton Centennial Professorship in Geophysics Income supplements salary and supports research of recipient	\$576,902	\$1,367,809	Alexander Deussen Professorship in Energy Resources Development of programs of excellence in energy resources, income supplements salary and supports research of recipient	\$268,044	\$496,388
Dorothy Ogden Carsey Memorial Scholarship Fund Geology scholarships, any level, special consideration to micropaleontology students	\$226,518	\$383,790	Michael Bruce Duchin Centennial Memorial Endowed Presidential Scholarship Scholarship for Master's candidate with preference toward general geology	\$52,346	\$109,438
J. Ben Carsey, Sr. Special Maintenance Fund Maintains teaching and research equipment	\$202,186	\$313,269	Elf Aquitaine Petroleum Faculty Fellowship in Geological Sciences Income supplements salary and supports research of junior faculty member	\$213,611	\$395,543
Chevron Centennial Professorship in Geology Income supplements salary and supports research of recipient	\$288,717	\$636,600	John E. "Brick" Elliott Centennial Endowed Professorship in Geological Sciences Income supplements salary and supports research of recipient	\$356,042	\$856,426
S. E. Clabaugh Fund in Hard-Rock Geology Supports research in hard-rock geology	\$45,602	\$92,931	Samuel P. Ellison, Jr. Fund For Department <i>Newsletter</i> and support of faculty-alumni functions	\$104,212	\$222,668
W. Kenley Clark Memorial Endowed Presidential Scholarship Geology scholarships, any level	\$53,147	\$120,643	Energy and Mineral Resources Fund Supports programs and students in energy and mineral resources	\$34,353	\$82,199
Joseph S. Cullinan Memorial Scholarship in Geological Sciences Scholarship in petroleum or field geology	\$47,136	\$117,803			

	Book Value	Market Value		Book Value	Market Value
William Stamps Farish Chair in Geology Income supplements salary and supports research of recipient	\$448,288	\$1,061,219	J. Nalle Gregory Chair in Sedimentary Geology Development of program of excellence in sedimentary geology, income supplements salary and supports research of recipient	\$766,200	\$1,567,626
Peter T. Flawn Centennial Chair in Geology Income supplements salary and supports research of recipient	\$836,303	\$1,841,005	J. Nalle Gregory Regents Professorship in Geological Sciences Income supplements salary and supports research of recipient	\$335,331	\$619,960
R. L. Folk/E. F. McBride Petrography Fund Income supports petrography program and annual awards to students	\$17,687	\$17,687	Thelma Lynn Guion Geology Library Staff Award For recognition of excellence by Geology Library Staff	\$16,187	\$21,521
Robert L. Folk Excellence Fund in Geological Sciences Supports excellence in geological sciences	\$77,685	\$93,350	Karl Frederick Hagemeier, Jr. Memorial Endowed Presidential Scholarship General geology scholarships, any level, with preference to students from Brazoria or Kerr counties	\$46,569	\$87,936
Geology Foundation Advisory Council Centennial Teaching Fellowship Income supplements salary and supports research of junior faculty member	\$117,263	\$227,674	George S. Heyer Memorial Fund Any purpose of the Foundation	\$105,487	\$270,958
Geology Foundation Excellence Fund Unrestricted funds for any purpose of the Foundation	\$112,015	\$189,621	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	\$38,966	\$46,248
Getty Oil Company Centennial Chair in Geological Sciences Income supplements salary and supports research of recipient	\$991,047	\$2,288,498	Houston Oil and Minerals Corporation Faculty Excellence Awards In recognition of outstanding service and special contributions to the teaching and research programs	\$59,579	\$139,477
Graduate Fellowship in Exploration Geophysics Provides one graduate fellowship in exploration geophysics	\$527,318	\$553,321	F. Earl Ingerson Graduate Research Assistance Fund in Geochemistry Research assistance to graduate students in geochemistry	\$61,046	\$107,253
Miss Effie Graves Scholarship Fund Geological sciences student scholarships	\$30,138	\$80,348	John A. and Katherine G. Jackson Centennial Teaching Fellowship in Geological Sciences Income supplements salary and supports research of junior faculty member	\$176,281	\$355,122

	Book Value	Market Value		Book Value	Market Value
John A. and Katherine G. Jackson Exploration Geophysics Fund Supports Department's activities in the area of exploration geophysics	\$25,569	\$26,875	George W. Marshall, Jr. Memorial Endowed Presidential Scholarship Graduate scholarship in general geology	\$41,145	\$69,391
John A. and Katherine G. Jackson Fellowship in Geohydrology Graduate fellowship in geohydrology	\$281,656	\$403,046	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	\$481,432	\$850,581
G. Moses and Carolyn G. Knebel Teaching Fund Promotes teaching excellence in geological sciences	\$102,814	\$237,002	John H. and Lujza McCammon Endowed Scholarship Upper-division undergraduate scholarship	\$13,687	\$33,134
Martin B. Lagoe Student Research Fund for Micropaleontology Supports students studying in the area of micropaleontology	\$33,803	\$43,482	Mr. and Mrs. L. F. McCollum Scholarship in Geology Geology scholarship, any level	\$27,650	\$61,435
Clara Jones Langston Centennial Lectureship in Vertebrate Paleontology Provides for guest lectures in vertebrate paleontology	\$26,598	\$59,044	Michaux Scholarship Fund Geology scholarship, any level	\$12,916	\$30,505
J. Donald Langston Special Operations Fund Purchases teaching and research equipment	\$300,590	\$508,804	Joan A. Middleton Endowed Scholarship in Geology Geology scholarship to students, especially hydrogeology students	\$11,008	\$14,288
Wann and Marietta Langston Research Fund in Vertebrate Paleontology Faculty research in vertebrate paleontology	\$127,577	\$285,864	Carroll C. Miller Endowed Presidential Scholarship Geology scholarship to students pursuing careers in energy industries, preference to students from South Texas	\$36,865	\$87,848
Jack K. Larsen-Mesa Petroleum Company Fund in Sedimentary Geology Supports student fieldwork in sedimentary geology	\$163,947	\$380,540	William R. Muehlberger Field Geology Scholarship Fund Supports field studies at graduate or undergraduate levels	\$104,805	\$157,774
Howard R. Lowe Vertebrate Paleontology Endowment Supports student fieldwork in vertebrate paleontology	\$38,337	\$87,541	Wes Ogden Memorial Scholarship in Geophysics Geophysics scholarship to students pursuing careers in energy industries	\$13,969	\$25,489
J. Hoover Mackin Memorial Scholarship Fund Graduate geology scholarship	\$28,417	\$65,019	Fred L. and Frances J. Oliver Lectureship in Texas Hydrology and Water Resources Provides for guest lectures in water resources	\$76,566	\$150,000

	Book Value	Market Value		Book Value	Market Value
Judd H. and Cynthia Oualline Centennial Lectureship in Geological Sciences Provides for guest lectures in geological sciences	\$101,196	\$183,412	Louis and Elizabeth Scherck Geology Scholarship Undergraduate (upper division) and graduate scholarship	\$117,305	\$233,289
Judd H. and Cynthia Oualline Centennial Lectureship in Petroleum Geology Provides for guest lectures in petroleum geology	\$93,662	\$170,921	Wilton E. Scott Centennial Professorship Income supplements salary and supports research of recipient	\$301,796	\$713,862
Judd H. Oualline Endowment Fund For special needs of the Department	\$22,744	\$49,512	Walter Benona Sharp Memorial Scholarship in Geological Sciences Scholarship in petroleum or field geology	\$46,235	\$116,507
Ed Owen-George Coates Fund Publication of geological research by faculty and graduate students	\$126,362	\$298,517	Shell Companies Foundation Centennial Chair in Geophysics Income supplements salary and supports research of recipient	\$1,252,472	\$2,590,827
James C. Patterson Fund for Excellence in the Geophysical Sciences Supports excellence in the geophysical sciences	\$88,900	\$91,849	Shell Companies Foundation Distinguished Chair in Geophysics Income supplements salary and supports research of recipient	\$1,069,801	\$2,279,063
Bill R. Payne Centennial Teaching Fellowship Income supplements salary and supports research of junior faculty member	\$110,450	\$227,767	F. W. Simonds Endowed Presidential Scholarship Scholarship to undergraduate (upper division) and graduate students	\$32,551	\$84,474
Joyce Bowman Payne Centennial Teaching Fellowship Income supplements salary and supports research of junior faculty member	\$111,226	\$217,550	William T. Stokes Centennial Teaching Fellowship in Geological Sciences Income supplements salary and supports research of junior faculty member	\$173,920	\$378,719
Pennzoil and Pogo Producing Companies-William E. Gipson Scholarships Scholarships for UT graduates seeking Master's degrees at UT	\$199,556	\$378,109	Structural Geology and Tectonics Fund Supports faculty and student research in structure and tectonics	\$128,388	\$238,601
O. Scott Petty Geophysical Fund Development of program of excellence in geophysics	\$222,805	\$490,193	Harlan Tod Sutherland Memorial Scholarship Fund Supports summer research for graduate students	\$49,311	\$92,629
Wallace E. Pratt Professorship in Geophysics Development of program of excellence in geophysics, income supplements salary and research of recipient	\$231,092	\$507,616	John and Elizabeth M. Teagle Scholarship in Petroleum Geology Scholarship to students with interest in petroleum geology	\$740,509	\$1,385,328

	Book Value	Market Value		Book Value	Market Value
David S. Thayer Memorial Scholarship Fund Senior field course scholarship	\$32,654	\$78,680	Albert W. and Alice M. Weeks Fund in Geology Scholarship in geological sciences, any level	\$604,622	\$1,054,337
Tobin International Geological Map Collection Fund For purchase of maps and photos, storage and viewing facilities for these items	\$90,553	\$228,967	E. A. Wendlandt Fund For purchase of books and journals in German or English translations	\$9,476	\$21,811
Udden Memorial Scholarship Fund Geology scholarship, any level	\$20,543	\$38,512	Arno P. (Dutch) Wendler Professional Development Fund Supports graduate student presentations at professional meetings	\$127,887	\$290,292
Glenn and Martha Vargas Endowed Presidential Scholarship Graduate-level scholarship in geological sciences	\$41,037	\$68,465	Francis L. Whitney Endowed Presidential Scholarship Geology scholarship, any level, paleontology and stratigraphy preferred	\$52,156	\$124,749
Glenn and Martha Vargas Endowment for Gems and Gem Minerals Instruction For course-related materials and instruction on gems and gem minerals	\$75,593	\$137,758	Francis L. Whitney Memorial Book Fund For purchase of paleontological books for library	\$50,019	\$86,514
Glenn and Martha Vargas Fund for Gem and Mineral Curation For curating and maintaining the gem and mineral collections of the Department	\$63,415	\$69,227	Addison A. and Mary E. Wilkinson Endowed Presidential Scholarship in Geological Sciences Geology scholarship for graduate and undergraduate students	\$58,847	\$72,653
Glenn and Martha Vargas Gemological Scholarship in Geological Sciences Scholarship for students interested in gemology or mineralogy	\$19,448	\$38,287	John A. Wilson Professorship in Vertebrate Paleontology Development of program of excellence in vertebrate paleontology, income supplements salary and supports research of recipient	\$194,540	\$403,458
Joseph C., Jr. and Elizabeth C. Walter Geology Library Fund Acquisition of books, maps, and other library materials	\$735,889	\$1,155,559	Charles E. Yager Undergraduate Field Scholarship Fund Supports students taking GEO 660	\$60,546	\$141,684
Albert W. and Alice M. Weeks Centennial Professorship in Geological Sciences Income supplements salary and supports research of recipient	\$226,305	\$461,708	The First, Second, Third Mr. and Mrs. Charles E. Yager Professorships Three professorships in any discipline for faculty who participate in field instruction	\$520,271	\$1,266,025

The Thomas R. Banks Memorial Scholarships Fund is held by the San Antonio Area Foundation with earnings (\$109,487 this academic year) dedicated to geological science students through the Geology Foundation.

Memorials

Ernest Walter (Buddy) Anguish, Jr.

Ernest Walter (Buddy) Anguish, Jr., age 71, passed away in his home on January 3, 2001, following an illness. He was a Midland independent oil operator, philanthropist, and supporter of the arts and human services. He was President of the Sportman's Pilot Association. Mr. Anguish was born on January 26, 1929, in Midland, Texas. He married Nancy Rodman in Midland on October 16, 1977. From 1951 to 1971, Mr. Anguish was married to Agnes Amelung. After graduating from the University of Texas, Austin in 1952 with a B.A. in Geology, he served in the U. S. Army from 1953 to 1955. His parents, Mr. and Mrs. E. W. Anguish, Sr., preceded him in death, as did a brother, David Anguish. He is survived by his wife, Nancy Anguish; a son, Steven Anguish of Phoenix, Arizona; three daughters, Lynn Anguish of Midland, Texas, Margaret Anguish Cobb and her husband Robert of Paris, Texas, and Ellen Anguish Pacic and her husband Jimmy of Dallas, Texas; a stepson, John Rodman Steele and his wife Dina of Dallas, Texas; five grandchildren, Sam, Gibson, and Rachel Cobb, and Rodman Jr. and Faye Steele; his sister, Gloria Ruth Evans; and numerous nieces and nephews.

Barbara Frances Lenoir Camp

Barbara Frances Lenoir Camp passed away on November 26, 2000. She lived in San Antonio, Texas. She attend the University of Texas, Austin, in 1937, where she majored in Geology. Mrs. Camp was a member of the Battle of Flowers Association, Board Member of the Camp Oil Company, the San Antonio Petroleum Auxiliary, and Past President of the P.E.O. She also was a Bluebird Volunteer at the Methodist Hospital, a member of the Military Civilian Club, the Garden Club, the Once a Month Lunch Bunch, and the

Ladies Bridge Club. Survivors include a son, Bill Adkins Camp and wife Susie of Houston, Texas; a daughter, B. Lenoir Camp Contie and husband Richard of Vanderpool, Texas; grand-daughters, Mary Lenoir Camp Giddens and husband John of Houston, Texas and Brittany Frances Contie of Vanderpool, Texas; sister, Katherine L. Kasch of Sacramento, California; and several nieces and nephews.

Arthur Wordsworth Cleaves, II

Arthur Wordsworth Cleaves, II, of Stillwater, Oklahoma, passed away at age 55 on August 15, 2000. Dr. Cleaves was born on July 6, 1945, in Orange, New Jersey, to Dr. Arthur Bailey and Kathryn (Taylor) Cleaves. He attended Brown University in Providence, Rhode Island, and received his B.A. in 1967, with a major in geology and a minor in biology. Dr. Cleaves earned his M.A. in 1971 and his Ph.D. in 1975, both in Geology, from the University of Texas, Austin. Dr. Cleaves' work included the positions of Graduate Teaching Assistant in the Department of Geology at the University of Texas, Austin, Assistant Professor in the Department of Geology at Wayne State University in Detroit, Michigan, and Assistant Professor of Geology and Research Assistant Professor at the Mississippi Mineral Institute at the University of Mississippi. He was an Assistant Professor from 1981 to 1984 and an Associate Professor in the Department of Geology at Oklahoma State University from 1984 until his death. As an undergraduate, his honors and awards included the Wayland Scholar, Magna Cum Laude, Sigma Xi, Phi Beta Kappa, and National Science Foundation Undergraduate Summer Traineeship. As a graduate student, Dr. Cleaves received the NEA Title Fellowship, Sigma Gamma Epsilon Honorary Fraternity, Department of Geology Teaching Assistantships, and

the Phillips Petroleum Company Fellowship. He won the Best Paper Award as a post-graduate from the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists at the 1981 Gulf Coast Association of Geological Societies convention in Lafayette, Louisiana, and the A. I. Levorsen Award for the best oral paper presented at the Southwestern Section of the American Association of Petroleum Geologists convention in Abilene, Texas, in 1991. Dr. Cleaves is survived by his brother, Dr. Emery Cleaves, of Jarrettsville, Maryland, who is Maryland State Geologist and Director of the Maryland Geological Survey.

Henry Grady Collier, Jr.

Henry Grady Collier, Jr. passed away at his home at age 74 on January 3, 2001. Mr. Collier was born in Wichita Falls, Texas, moving to New Orleans, before settling in Metairie, Louisiana. He was a University of Texas, Austin graduate, receiving a B.S. in Geology in 1949. He served in the U.S. Army Air Force in World War II, as well as the Merchant Marines. He was an independent geologist and previously worked for British American Oil, Franks-Grigsby, Inc., and King Resources Company. He served as an officer in the Society of Independent Professional Earth Scientists, New Orleans Chapter, the national SIPES organization, the SIPES Foundation, the New Orleans Geological Society, and the Sons of the American Revolution. Mr. Collier was a member of Kappa Alpha Order Fraternity, Sigma Gamma Epsilon Honor Fraternity, the American Association of Petroleum Geologists, the Geological Society of America, the Louisiana Independent Oil and Gas Association, the Society of Colonial Wars in Louisiana, the Society of the Descendants of George Washington's

Army at Valley Forge, the Society of the War of 1812, the Sons of the Confederate Veterans, the Sovereign Military Order Temple of Jerusalem, the Jamestown Society, Metairie Country Club, the Bienville Club, the Round Table Club, the Malory Society, the Society of St. George, the St. Andrew's Society, the First Families of Tennessee, the Clans of Buchanan and Donnahaidh, and the Archeological Institute of America. The Gulf Coast Association of Geological Societies awarded him the Distinguished Service Award. He is survived by his wife, Ruth Westmoreland Collier; by his two daughters, Carol Meyer and Diana Zatarain; by his sister, Ruth Dickens; and by his four grandchildren.

Lucien Hunter Collins, Jr.

Lucien Hunter Collins, Jr. passed away on December 19, 2000. Mr. Collins was born on October 30, 1932, in St. Louis, Missouri. He attended San Antonio Academy, Texas Military Academy, and Thomas Jefferson High School. He graduated from the University of Texas, Austin, with a B.S. in Geology in 1959. He is survived by Marian Crawford Collins, his wife; Lucien Hunter Collins, III, his son, of Austin, Texas; and Terry Elizabeth Collins, his daughter, of Kerrville, Texas. The Collins moved from San Antonio, Texas, to their ranch near Junction, Texas, in 1993.

James Haney Collum

James Haney Collum passed away in Tyler, Texas, after a lengthy illness on August 4, 2000. He was born on May 25, 1932, in Tyler, Texas, to the late Mr. and Mrs. Horace J. Collum. Mr. Collum graduated from Tyler High School and attended the University of Texas, Austin, where he participated in the Naval ROTC program, graduating with a B.A. in Geology and a minor in architecture in 1960. After graduation, Mr. Collum was commissioned as an officer in the U. S. Navy, where he served as a SEAL and clandestine overseas intelligence officer. Mr. Collum

later became an independent oil operator, as well as a custom homebuilder. He is survived by his son, James H. Collum, Jr. of Tyler, Texas, and by many friends.

William Van Conover, III

William Van Conover, III passed away on July 14, 2001, at the age of 39. He was born on May 11, 1962, in Austin, Texas, and graduated from St. John's School, Occidental College in Los Angeles, California. He received an M.A. in Geology from The University of Texas at Austin and an M.B.A. from the University of Denver. He was a member of the Houston Polo Club. He is survived by his daughters, Rachel and Katherine Conover; their mother, Debbie; his parents, William V. Conover, II and Margarite Conover Kirk; his brothers, Chase Conover and Ward Conover, and his wife, Diane, and their children, Erica, Garrett, and Kaleb.

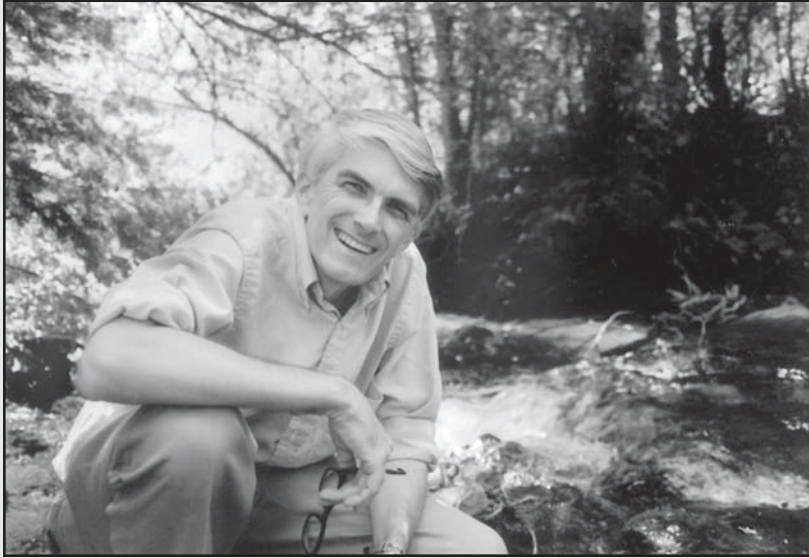
William W. Craig

William W. Craig passed away on September 25, 2000, at his home at age 65. He was a Geology Professor at the University of New Orleans. Dr. Craig was born in Kansas City, Missouri, and lived in New Orleans for many years. He was a member of Phi Gamma Delta Fraternity and Army ROTC at the University of Missouri at Columbia, where he earned his bachelor's and master's degrees. He received his Ph.D. in Geology from The University of Texas at Austin in 1968 and served in the U.S. Army artillery in Oklahoma and Korea. Before joining the faculty at the University of New Orleans in 1968, Dr. Craig taught geology at Northeast Missouri State University, now Truman State University, in Kirksville, Missouri. He served as Chairman of the Geology Department three times during his tenure at the University of New Orleans. Dr. Craig was awarded honorary life memberships in the Geological Society of America and the Louisiana Earth Sciences Teachers Association and held membership with

the Paleontological Society, National Science Teachers Association, Society for Sedimentary Geology, Society of Sedimentary Geologists, National Association of Geoscience Teachers, and National Earth Science Teachers Association. He was Past President and Publication Sales Chairman of the New Orleans Geological Society and received several education awards, including the Neil Miner Award for Earth Sciences from the National Association of Geoscience Teachers, the Distinguished Service to Science Education Award from the Louisiana Science Teachers Association, and the Outstanding Educators Award from the Gulf Coast Association of Geological Societies. Additionally, Dr. Craig led annual field trips for earth science teachers to various parts of the country. The William W. Craig Memorial Scholarship was established to honor his years of service to the University of New Orleans and the educational community. He is survived by his wife, Patricia N. Craig; his three sons, Jeffrey W., Andrew N., and David C. Craig; his two daughters, Kathleen E. Craig and Jennifer C. Mastro; and three grandchildren.

William Edge Dougherty

William Edge Dougherty passed away May 19, 2001. He was a resident of San Antonio, Texas, where he was born on January 10, 1913. He graduated from Main Avenue High School, and the University of Texas, Austin, receiving a B.S. in Geology in 1936. He was President of Sigma Nu Fraternity at UT. During World War II, Mr. Dougherty served as Captain in the U. S. Army Artillery in the European Theatre. Mr. Dougherty was a geologist, and on the Board of Directors for Humble Oil. His wife, Valda McCutcheon Dougherty, preceded him in death in 1995. His survivors include his niece, Sallie McCutcheon of Phoenix, Arizona; his nephew, Willis McCutcheon IV of Fort Davis, Texas; and his cousins, Ann Jaekle of Madison, Connecticut,



A. GORDON EVERETT

PHOTO PROVIDED BY NATALIE EVERETT.

Dwight E. Beach of The Woodlands, Texas, Cynthia B. Guthrie of Pebble Beach, California, Lillian Mumaw of Barrington, Illinois, Florence Beach of Chelsea, Michigan, John Groos of San Antonio, Texas, and Cynthia Coleman of New Orleans, Louisiana.

Christian Dullnig, Jr.

Christian Dullnig, Jr. was born on December 5, 1928, and passed away on February 20, 2001, at the age of 72. He received a B.S. degree in Geology in 1960 from the University of Texas, Austin. Mr. Dullnig was a teacher and director at Northside Independent School District in San Antonio, Texas. He also was owner of Dullnig Film Company, President of the Southeast Trinity Groundwater Conservation District for Comal County, and a long-term member of the Bexar Audubon Society. He is survived by his wife of 50 years, Carolyn Baker Dullnig; his daughter, Lori Dullnig-Warlen and husband Geoffrey of San Antonio, Texas,

and their daughters, Bridget and Sierra; his son, Mark Christian Dullnig and wife Johnnah Haddox-Dullnig of San Antonio, Texas; his sister, Maureen Sanders of La Quinta, California; nieces Darla Estrada of Fresno, California, and Diana Ewing of La Quinta, California; and his nephew, Dan Ewing of San Antonio, Texas.

A. Gordon Everett

Dr. A. Gordon Everett passed away in August 2000 after an extended illness. He was a consulting geologist and geochemist whose practice was devoted to applied problems of mineral and petroleum resources development, evaluation of the disposal, transport, and fate of toxic and hazardous wastes, and litigation issues. Prior to 1969, he taught at Ohio State University; subsequently, he served as Deputy Assistant Secretary for Applied Sciences, U.S. Department of the Interior, and as Director, Office of Technical Analysis, U.S. Environmental Protection Agency. After working on the staff of the

American Petroleum Institute for three years, Dr. Everett opened his own consulting firm in January 1978. His projects were in the United States, Canada, Mexico, Argentina, and Papua, New Guinea. Dr. Everett received a Bachelor's degree in Geology from Cornell University in 1959, a Master's degree in Geochemistry from the University of Oklahoma in 1962, and a Ph.D. in Geology and Geochemistry from The University of Texas at Austin in 1968. In between obtaining his Bachelor and Master's degrees, Dr. Everett served as Research and Development Officer in the U.S. Army, working on the nuclear exploration of mineral fuels. Dr. Everett is survived by his wife, Natalie; daughters, Elizabeth Williams and Virginia Weisletten; and son, William Gordon Everett.

Donald Lynn Hall

Donald Lynn Hall, age 75, passed away January 18, 2001, in Fort Worth, Texas. He was a retired geologist. Mr. Hall was born June 13, 1925, in Fort Worth, Texas, and was preceded in death by his parents, Roland R. and Frances M. Hall, and his brother, Roland I. Hall. During World War II, he served his country in the U. S. Coast Guard. He graduated with a B.S. in Geology from the University of Texas, Austin, in 1949. Mr. Hall had a career in the petroleum industry in Fort Worth, Dallas, and Houston. He held membership in the American Association of Petroleum Geologists, Society of Petroleum Engineers, the Scottish Rite, and Master Masons. His survivors include Carolyn (Westmoreland) Hall, his wife of 52 years; his children, Janice C. Robertson and husband Price, and Bradley F. Hall and wife Anne; his grandchildren, Julie, Carol, and Catherine Robertson and Bradley F. and James M. Hall; his sister, Dorothy Armstrong; his sisters- and brothers-in-law; and his nieces, nephews, and friends.

Thomas Sutherland Hatfield

Thomas Sutherland Hatfield died on July 31, 2001. He was born on

September 12, 1960, to Thomas M. and Carol Sutherland Hatfield. In Austin, he attended Robert E. Lee Elementary School, O. Henry Middle School, and Stephen F. Austin High School. At Austin High, he distinguished himself as a National Merit Scholar, was the Maroon Band's drum major and first chair trumpet. He was an Eagle Scout. He earned a B.S. degree in geophysics with high honors from The University of Texas at Austin in 1984. At UT, he was inducted into numerous honor societies, was president of the Tejas Club, and was a member of the Texas Cowboys. He was successful as a computer consultant. He is survived by his daughter, Cynthia; his son, Shelton; his mother and father; his sisters, Alice and Sara and their families; his grandmother, Lois Sutherland; a host of aunts, uncles, and cousins; and his former wife, Kathy Zikos Hatfield.

Hiram Monroe Helm, Jr.

Hiram Monroe Helm, Jr., formerly of Dallas, Texas, passed away in Decatur, Texas, where he lived, on December 22, 2000. He was born on February 4, 1920, to Hiram M. Helm, Sr. and Winnie Holt Helm. He received a B.A. in Geology in 1941 from the University of Texas, Austin. He served as a Lieutenant during World War II in the U.S. Navy Amphibious Force in the European Theatre from 1941 to 1945. He worked in the automobile business in Decatur, Bridgeport, Dallas, Corpus Christi, and Tyler. He earned an MBA in Finance from the University of North Texas and a Ph.D. in Finance from UT Austin. He was a Professor of Finance at The University of Texas at Austin, The University of Texas at Arlington, and Oklahoma City University. He is survived by his wife, Mary Jo Helm of Decatur; his sons H. Monroe Helm, III of Dallas and Jon Finley Helm of Fort Worth; and grandchildren Blake and Jackie Helm of Dallas.

Jack Thomas Hughes

Jack Thomas Hughes passed away on May 11, 2001. He was Professor

Emeritus at West Texas A&M University, Canyon. He was born on October 16, 1921, to Martha Frances Moreland Hughes and Joseph Erma Hughes. At age eight, he became one of the earliest members of what was later the Texas Archeological Society. Graduating high school at age 15, Dr. Hughes came to the University of Texas, Austin, and the artifacts he brought with him as a freshman are still on display at the University. He graduated with honors, receiving a B.A. in Geology and Anthropology in 1941. As an exchange student from the University of Texas with the National University of Mexico, he earned his master's degree in Archeology. He then entered the U.S. Navy and served as Lieutenant J. G. aboard the *U.S.S. Lehigh* in the Pacific during World War II. After the war, Dr. Hughes married journalist Polyanna Badgett. He participated in archaeological explorations across the Great Plains and earned a Ph.D. in Anthropology from Columbia University in New York. While working at the Panhandle Plains Museum and West Texas State College, now West Texas A&M University, he dedicated his career to programs in archaeology, anthropology, paleontology, and geology. He was preceded in death by his first wife, Pollyanna. Dr. Hughes is survived by his wife, Beryl (Roper) Hughes of Canyon, Texas; his daughter, Martha Elizabeth Hughes; his son, David T. Hughes of Newton, Kansas; his granddaughter, Amanda Hughes Osborn of Wellington, Kansas; his great-grandson, David Osborn; his cousins; and Beryl's children and grandchildren.

William Adrian Jenkins, Jr.

William Adrian Jenkins, Jr. was born on September 18, 1919, in Greensboro, North Carolina, the son of Ora Lee Jenkins and William A. Jenkins. He passed away in June, 2000. He attended Lenoir High School in Lenoir, North Carolina, and Duke University in Durham, North Carolina, where he received his B.S. in June,

1940. He attended graduate school at Johns Hopkins University in Baltimore, Maryland, and received his Ph.D. in Geology from the University of Texas, Austin, in 1952. His career in industry included the Rustless Iron and Steel Corporation in Baltimore, Maryland, the Texas Company in New Orleans, Louisiana, the Florida Geological Survey in Tallahassee, Florida, and Mobil Field Laboratory in Dallas, Texas. He taught at The Tulane University of Louisiana in New Orleans, Louisiana, and the University of Texas, Austin. After he retired, he moved to Colorado. He was given the Stanolind Oil and Gas Fellowship in Geology in 1949 to 1950.

Edward Franklin McGee

Edward Franklin McGee passed away at his home in Wimberley, Texas, on February 12, 2001. Born on March 7, 1927, he was raised in Birmingham, Alabama. He was assigned to academic studies at Clemson College in Columbia, South Carolina, during World War II under the Air Force Pilot Training program. Near the end of the war, he served as merchant seaman for the remainder of his enlistment and sailed ships throughout the North Atlantic, the Mediterranean, and the Pacific. After his stint in the Air Force, Mr. McGee married his high school sweetheart, Peggy Ann Rucker. He studied petroleum geology at the University of Texas, Austin and received his B.S. in Geology in 1950 and his M.S. also in Geology in 1952. He became a pioneer of petroleum exploration in the Gulf of Mexico and worked for Marathon Oil Company from 1952 until his retirement in 1981. His survivors include his children, Edward Franklin McGee, Jr. and wife, Donna Browning, Margaret Ann McGee and partner, Richard Quintana, Ann Katherine McGee Broos and husband, Erik; grandsons, Benjamin Edward and Nicholas Tracy McGee; sister, Mary Ann McGee; and brother, Robert Hilton McGee and wife, Ava Lee and their daughter, Mary Elizabeth McGee Coleman and husband, Bret, and their son, Daniel.

Jerry Boothe Menefee

Jerry Booth Menefee passed away on January 14, 2001, at age 77. He served in the U. S. Air Force during World War II. He earned a B.S. in Geology from the University of Texas, Austin, in 1950, followed by graduate work at The University of Texas at Dallas. His survivors are his wife of 54 years, Cecil, and granddaughters, Molly Wilson, Mindy Selvey, Karla Carver, and Karrie Carver.

Daniel N. Miller, Jr.

Daniel N. Miller, Jr. died at the age of 76 on March 26, 2001, at his home in Chapel Hill, North Carolina. He was born on August 22, 1924, in St. Louis, Missouri, and served in the U.S. Army Air Force during World War II, where he was rated a combat pilot and radar observer in the Pacific Theater. He married Esther Faye Howell on September 9, 1950. He was educated at the Missouri School of Mines and Metallurgy in Rolla with a B.S. in Geology in 1949 and an M.S. in 1951 in Geology, and a Ph.D. in Geology from the University of Texas, Austin, in 1955. His career included appointments with Stanolind Oil and Gas Company, Pan American Petroleum Corporation, Monsanto Chemical Company, and Barlow and Haun, Inc. He became Professor of Geology and Chairman of the Geology Department at Southern Illinois University in 1963. He was the State Geologist and Executive Director of the Wyoming State Geological Survey, an appointment by two Governors, between 1969 and 1981. During this time, he represented Wyoming on many national boards, advisory councils, and research committees for the National Academy of Sciences, U.S. Department of Energy, Interstate Oil Compact Commission, U.S. Department of the Interior, and Wyoming Oil and Gas Conservation Commission. In 1981, he became Assistant Secretary for Energy and Minerals in the Department of the

Interior, being appointed by President Ronald Reagan. He started IWO Exploration in 1983 in Boise, Idaho. In 1989, he became Director of the Anaconda Geological Documents Collection and Curator of International Archives of Economic Geology in the American Heritage Center at the University of Wyoming in Laramie, from which he retired in 1992. He was named Wyoming's Mineral Industries Man of the year in 1975, received a Certificate of Merit from Southern Illinois University in 1964, named the Distinguished Lecturer for the American Association of Petroleum Geologists in 1971. He was given the Distinguished Public Service to the Earth Sciences Award from the Rocky Mountain Association of Petroleum Geologists in 1983, the American Association of Petroleum Geologists Public Service Award in 1988, American Institute of Professional Geologists Ben H. Parker Memorial Medal in 1993, the Martin Van Couvering Memorial Award in 1994, and the University of Missouri-Rolla bestowed an Honorary Professional Degree for his achievements as a professional geologist and public servant in 1999. He held offices in professional organizations including President of the Illinois Geological Society from 1966 to 1967, President of the Association of American State Geologists in 1979 to 1980, President of the American Association of Professional Geologists Rocky Mountain Section in 1987. He was also a charter member of the American Institute of Professional Geologists and a member of the Wyoming Geological Association serving on various committees. He authored more than 45 scientific and technical reports and gave many talks and lectures during his professional career which spanned 46 years. He is survived by his wife, Esther; a son, Jeffrey Miller of Denver, Colorado; a daughter, Gwendolyn Sarnoff of New York, New York; and two grandchildren.

Evelyn Wilie Moody

Evelyn Wilie Moody, born on February 26, 1918, in Waco, Texas, to William Braden Wilie and Enid Eva Holt, passed away on September 17, 2000, in Houston, Texas. She was one of the first women to receive a degree in geology from the University of Texas, Austin, earning a B.A. with honors in 1938 and an M.A. in 1940. Beginning her career with the Arkansas Fuel Company in Shreveport, Louisiana, she later became an independent consultant in Houston, Texas, and a pioneer in petroleum geology. She taught at Rice University. She served as officer on boards and committees for the American Association of Petroleum Geologists, the Society of Economic Paleontologists and Mineralogists, the Houston Geological Society, and the Society of Independent Professional Earth Scientists. She served as an original SIPES Foundation board member and later as Treasurer and President. The societies honored her with many awards, including the Presidents Award from HGS in 1999, the Outstanding Service Award from the SIPES Foundation in 1986, and an Honorary Life Membership of the Houston Chapter in 1994. She co-authored two books and many articles. She was an active member of Pi Beta Phi and served as President in New York. She was also an artist and a member of the Water Color Society of Houston and the Art Students League of New York City. She married John D. Moody and raised three children, John D., Jr., Melissa Lynn, and Jennifer Alice, all of whom survive her along with one granddaughter, five grandsons, and one great-grandson.

Henry Milton (Milt) Patterson

Henry Milton (Milt) Patterson of Oklahoma City, Oklahoma, passed away on March 21, 2001 at age 73. Mr. Patterson was born in Phoenix, Arizona, on July 16, 1927 to Iva Robertson Patterson and Samuel

Patterson. He graduated from Uvalde High School. After completing his military service in the U. S. Navy during World War II, he married Lois Jean Arledge. In 1958, he earned his B.A. in Geology from the University of Texas, Austin. Mr. Patterson moved to Oklahoma and built his own aerobatics plane, continuing to fly until the mid-1970's. He retired from Dresser Industries in the early 1980's after working his entire career in the oil industry. He was preceded in death by his wife and parents. He is survived by his daughter, René O'Hagan and husband, Michael of Choctaw, Oklahoma; his son, Michael Patterson and wife, Brigett of Yukon, Oklahoma; four sisters, Mildred McClellan, Midda Mae McDonald, Madeline Sellars, and Marie Wiley; two brothers, Barto Patterson and Marvin Patterson; two granddaughters; and many nieces, nephews, and friends.

Clem H. Roberts

Clem H. Roberts was born on July 7, 1926, in Tyler, Texas, to Joseph J., Sr. and Grace Simpson Roberts. He passed away on March 30, 2001, in Tyler, Texas. He was a graduate of Tyler High School and served during World War II in the Army Air Corps. He became a geologist after graduating from the University of Texas, Austin, in 1949 with a B.S. in Geology. He was a member of Kappa Sigma Fraternity, Knights of Columbus, and several other professional organizations. Mr. Roberts was preceded in death by his first wife, Barbara Bass Roberts, in 1967 and by his second wife, Patricia Ann Roberts in 1998. He was also preceded in death by his parents; his sister, Catherine Shelton; and his brother, Walton Roberts. His survivors are three daughters, Mary E. (Liz) Roberts of Farmers Branch, Texas, Rebecca R. Powell and her husband Bert, of Tyler, Texas, and Jennifer R. Broome and her husband Jerry, of Tyler, Texas; one son, Clem H. Roberts, Jr. of Irving, Texas; two grandchildren, James Broome and Jacob Broome of Tyler, Texas;

one brother, Joseph J. Roberts, Jr. of Tyler, Texas; one stepson, Michael Towers and wife Joyce, of Pipe Creek, Texas; and three step-grandchildren, Katy, Jill, and Jordan Towers of Pipe Creek, Texas.

John Peter (Pete) Smith

John Peter (Pete) Smith passed away from complications of Parkinson's disease on September 15, 1997, in Fort Worth, Texas. Dr. Smith was born in Arlington, Texas, in 1915. He graduated from the University of Texas, Austin, with a B. S. (honors) in Geology in 1937. He attended Cornell University for graduate studies. He spent more than 50 years employed as a geologist with Carter Oil, an affiliate of Standard Oil of New Jersey, later known as Exxon. After his retirement, he became an independent oil producer in the Illinois Basin in 1966. His newspaper column, "Pete Smith on Oil," was widely read for many years. After moving to Longview, Texas, in 1972, Dr. Smith became a member of the McKendree College Board of Trustees. In this position, he established scholarships in memory of his first wife, Liudell; his mother, Carrie; and his second wife, Emma Lee. In addition, he established an English Chair in honor of his grandfather John Peter Smith, and McKendree College conferred a Doctorate of Humane Letters on Dr. Smith in 1988. His survivors are his sons and daughters-in-law, John Peter, Jr. and Charlotte Smith, of St. Louis, Missouri, and Thomas Field II and Andrea Smith, of Fort Worth, Texas; his grandchildren, Claire and Carrie Smith of St. Louis, Missouri, and Thomas III, Scott, Elizabeth, and Catherine Smith, all of Fort Worth, Texas; and a cousin, Josephine Hudson of Fort Worth.

Walter William Stein, Jr.

Walter William Stein, Jr. passed away on July 3, 2001. Mr. Walter was born on February 7, 1928, in Laredo, Texas. He served in the U.S. Navy in China. He received a B.S. in Geology

in 1952 and an M.A. in Geology in 1952 from the University of Texas, Austin. While attending the University, he was a member of Sigma Chi Fraternity. He became an independent oilman in 1954 in Sherman, Texas, and was responsible for the discovery of numerous oil fields in Grayson and Cooke Counties. Mr. Stein moved to Dallas, Texas, in 1970. Mr. Stein served on the Board of the Dallas Ski Club and Who's Who International and was active in The Sierra Club, T-Bar M Racquet Club, and the North Texas Oil & Gas Association. He is survived by his wife, Sylvia; her children, Amanda Darby and Blake Jackson; his sister, Mary Virginia Gavin of San Jose, California; and nieces, Debbie Sparacino and Cindy Duran.

Mordecai Conrad Vinson

Mordecai Conrad (Morty) Vinson passed away from cancer at his home on April 7, 2001, at the age of 79. Mr. Vinson was born to Albert and Mae Miller Vinson on December 12, 1912. He served with the Marines in World War II in the South Pacific. He attended San Angelo College, and Tulsa University, Oklahoma, after the war and earned a B.S. degree in Geology in 1951 from the University of Texas, Austin. In 1948, while attending college, he married Louise Rowan. In Oklahoma City, Oklahoma, he worked for Magnolia Oil Company. He was transferred to Midland, Texas, in 1955, as district and division geologist with Mobil. He joined Burford Sams and Vinson Oil Operators as manager of exploration, after resigning from Mobil in 1967. He opened an office for North American Royalties Inc. as district manger in 1970, and in 1978, he founded Vinson Exploration, Inc. The field discoveries for which he was responsible or in which he assisted include the Brown Bassett, Rojo Caballos, Coyanosa, Waha Deep, Frances Hill Field, and Will O. Ellenburger. He was a lifetime member and served as President of the West Texas Geological Society and had affiliations with

American Association of Petroleum Geologists and Society of Independent Professional Earth Scientists. After 40 years in Midland, he moved to Concho Creek Ranch, near Paint Rock, Texas, in 1995. He is survived by his wife of 52 years, Louise; his sons, Bryan and wife Janice and Wayne and wife Angela, of Midland, Texas; Wade and wife Cindy, of Houston, Texas, and David and wife Teri, of Veribest, Texas; his sisters Martha McDonald of San Angelo, Texas, and Bertha Ham of Odessa, Texas; and his 15 grandchildren.

Stafford W. Williams, Jr.

Stafford W. Williams, Jr., passed away on December 9, 2000, in Houston, Texas, at the age of 79. Mr. Stafford was born in Wiergate, Texas, to Stafford W. and Delia Smith Williams on October 22, 1921. He graduated from high school in Jasper, Texas, in 1939. During World War II, he served in the Southwest Pacific in the U. S. Navy. After the war, he earned a B.S. in Geology from the University of Texas, Austin in 1950. He began a new career with the U. S. Postal Service in 1963 and worked to 1983, when he retired as a supervisor. He was a lifetime member of the Ex-Students Association of The University of Texas at Austin. Mr. Stafford was also a member of the American Legion in Houston, Texas. His survivors include his wife of 55 years, Eva; their sons, Michael and wife Pam, Barry and wife Jan, and Allen; and five grandchildren, Brad, Sara, Philip, Jordan and Abby. He is also survived by his brothers, Kenneth and James, his sister, Ann, and his sister-in-law, Patsy.

Edward Roscoe Wolcott

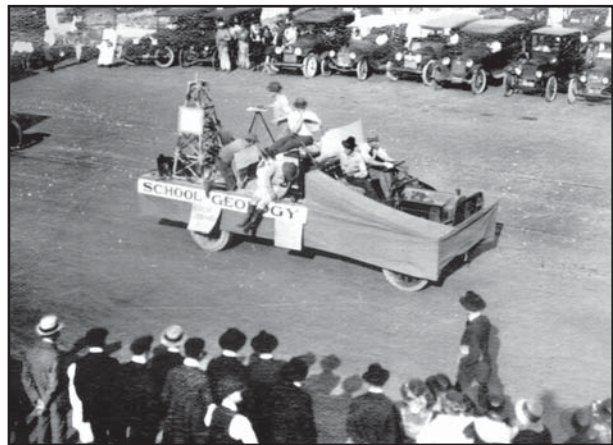
Edward Roscoe Wolcott passed away in Dallas, Texas, on December 18, 2000, from emphysema. Mr. Wolcott was born in Stanton, Texas, on October 7, 1925, to Edward R. and Emma Nicholson Wolcott. He earned his B.S. in Geology from the University of Texas, Austin in 1966 and served in the U. S. Army Air Force during World War II in Europe.

After his armed forces service, Mr. Wolcott began his career with Humble Oil as a Division Exploration Geologist, working from 1947 to 1960, after which he worked as an independent geologist from 1960 to 1968. He then worked as Chief Geologist for Triton Oil until he

joined EDCO Petroleum, Inc. in 1976, where he worked until his death. He is survived by his wife of 54 years, Carol; their son, John and wife Cindi; and their son, Justin; his son, Paul and his wife Kris; and their children Jason, Lindsay, and Ryan.

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

Thomas A. Chandler (B.S., 1948)	Mrs. James (Mildred Winam) Miller (B.S., 1936)
Henry Clay Cooke (B.S., 1941)	George Clement Seibert (B.S., 1960)
Lee I. Meador (B.A., 1957)	Thomas Frank Smith, IV (B.S., 1973)
	Trovall Lafayette Stall (B.A., 1937)
	John Fletcher Woolsey (B.A., 1950)



Varsity Circus Parade in 1921.
Photo provided by Ken Barrow.



UT Field Camp in Mason County in July 1921.
L. T. Barrow is pictured (second from right).
Photo provided by Ken Barrow.

Notes from the Alumni

Alumni Honors

Chuck Caughey was awarded the Distinguished Service Award by the American Association of Petroleum Geologists

Robbie Gries is President of the American Association of Petroleum Geologists

Robert G. Loucks was awarded the Wallace E. Pratt Memorial Award by the American Association of Petroleum Geologists

Charles Mankin is Treasurer of the American Association of Petroleum Geologists

Clyde H. Moore, Jr. was awarded the Distinguished Educator Award from the American Association of Petroleum Geologists

Richard Schatzinger was awarded the Robert H. Dott Sr. Memorial Award by the American Association of Petroleum Geologists

Dan Smith is President-Elect of the American Association of Petroleum Geologists

Peyton O. Abbott (B.S., 1950) of Pueblo, Colorado, is a retired hydrologist. He states, "With relatively good health for myself and wife and financially independent children, life is good."

Edwin V. Acker, Sr. (B.S., 1956) lives in Tilden, Texas, is retired, and writes, "Bev and I are enjoying spending the kids' inheritance both here at the ranch and in Rockport, Texas."

Samuel C. Adair, Jr. (B.S., 1956) lives in Montgomery, Texas, has an e-mail address of samueladair@msn.com, and writes, "Still enjoying retirement. Still taking a lot of trips. Took a 24-day Asian

cruise/tour last year. Eleven days on mainland China, what a country! Children start taking English in kindergarten."

G. Baxter Adams, Jr. (B.S., 1951, M.A., 1953) has an e-mail address of badams@hctc.net, and states, "Growing apples and maple trees on a pretty ranch in the Hill Country near Kerrville, Texas. If you pass through Medina, stop at the Cider Mill & Country Store for apple pie and apple ice cream and come by to say hello."

Jim W. Adams (B.S., 1951) writes, "After 43 years with Humble Oil (and Exxon), I am now a consulting geologist. I would enjoy very much hearing from old schoolmates; please contact me by snail mail at 3702 Casady Court, Midland, Texas 79707, or at JWAdams2@aol.com. I am continuing work on AAPG's National Youth Education and Activities Committee (YEA!). That lets Terry and me attend the national convention each year. Also, I help teach Geology Merit Badge at our super-good Scout Ranch in the Davis Mountains and stay active in the Boy Scouts and the Confederate Air Force."

George Alcorn, Jr. (B.A., 1996) lives in Houston, Texas, and is President of Alcorn Exploration.

Elaine Marie Allan (B.S., 1983) is back in Austin, Texas, after working as an environmental attorney in Illinois and Oklahoma. Her husband Chris, daughter Erika (now almost 16), and son Adam are very glad to be in Austin.

James H. Anderson (Ph.D., 1985), of The Woodlands, Texas, is a geological supervisor, Amazon, Brazil, has an e-mail address of ivyander@aol.com, and states, "Moved back to Houston with ExxonMobil, but I still ride in Mardi Gras in New Orleans, Louisiana. All is well."

Nancy Jenswold Johnson Anderson (B.A., 1950), e-mail address of nancy.j.anderson@worldnet.att.net, reports from Cedar Hill, Texas, "Retirement has been as busy as my life while a consulting environmental planner. But now, more time for travel. I never tire of seeing the natural beauty in this vast country. Poor health prevented me from finally visiting the Big Bend during the past year."

Paul D. Anderson (Attended 1939) is a partner in W. D. Anderson & Sons in Midland, Texas.

Russ Andress (B.S., 1980), a geophysicist, writes, "I joined Avira Energy and returned to Houston, Texas, after 15 years in Dallas. We are drilling a lot of great wells in the Gulf of Mexico using horizontal drilling. I have two platforms under construction."

Edgar Armstrong (B.S., 1951) lives in Houston, Texas, and writes, "Retired and loving it! Still married to Janelle and happy about it. I needed to say that, didn't I? My son, grandson, and I enjoy our season tickets to the Longhorn football games. Send me an e-mail message and we'll discuss old times." E-mail address is eandjstrong@pdq.net.

Edward R. (Bob) Atwill (B.A., 1960), a rancher in Tubac, Arizona, with an e-mail address of edward65@webtv.net, writes, "Helen and I are well. Ranch life agrees with us. Bought one more horse for grandkids to ride. In October took a three-week cruise from Athens through Suez and Red Sea to Seychelle Islands. Of course, Aqabah Jordan and Aden Yemen stops were cancelled. I gained ten pounds. Helen lost five. Regards to friends."

Gene M. Austin (B.S., 1951) is a consulting petroleum geologist in Houston, Texas, and tells us, "Before retirement,

I originated reentry prospects for independents. We need price stability for gas and oil, help not hurt from government, and elimination of OSHA environmental programs, which are largely a ..."

Sara S. Avant-Stanley (B.S., 1978) lives in Jakarta, Indonesia, has an e-mail address of savant1@attglobal.net, and writes, "After almost six years (and four presidents) in Indonesia, we are moving to Houston in December. I will be glad to be back in Texas after a 23-year absence. Looking forward to reestablishing contact with lots of my friends."

T. Dale Bagwell (B.S., 1979), of Spring, Texas, is a Geoscience Systems Analyst in Houston. He has an e-mail address of dbagwell@lgc.com, and writes, "After three years of teaching high school physics, I got accepted to Landmark Graphics for a four-month training program, sat out seven months of unemployment at \$10/bbl, and have now been providing geophysical technical assistance for Landmark customers since January 2000. I love this job! After next school year, the wife and I will be looking to take it overseas for a few years."

Carol Swenumson Baker (B.S., 1984) lives in Houston, Texas, is a geophysicist with ExxonMobil, has an e-mail address of RBaker3@Houston.rr.com, and states, "Now that we have two boys in school, Grant (11) and Andrew (5), it keeps us busier than ever."

Jerry D. Baker (B.S., 1951), of Richardson, Texas, lets us know, "Semi-retired doing contract work for consulting engineers. I will shut it down this year."

Hugh Balkwill (Ph.D., 1969), a consultant in Radium in Hot Springs, British Columbia, Canada, says, "Semi-retired and working harder for less pay."

William W. (Bill) Ballard (Ph.D., 1961) is Chairman of the Board of Ballard Petroleum, L.L.C., in Billings, Montana, has an e-mail address of wwballard@ballardpetroleum.com, and lets us



LAWRENCE HOOVER (LEFT) AND BOB GRAYSON (RIGHT) AT 1947-1948 BRADY BUNCH REUNION IN CORPUS CHRISTI, TEXAS, ON OCTOBER 6-9, 2000.

PHOTO PROVIDED BY BOB GRAYSON.

know, "Marilyn and I are planning a trip to Austin, Texas, in 2001. We are anxious to see all the changes on campus and in the Department since 1961."

William B. Barnhill (B.S., 1950) is retired in Roswell, New Mexico, and lets us know, "Son Chris is running Tierra Oil in San Antonio, Texas. Spend winters in Arizona and Mexico."

Thomas D. Barrow (M.A., 1948) lives in Houston, Texas. He writes, "It was great to have my son, Ken Barrow, be the first third-generation member of the Geology Foundation Advisory Council! I'm still looking for gas in East Texas." Dr. Barrow is an Honorary Life Member of the Geology Foundation Advisory Council.

Joe Beard (B.S., 1942) lives in Wichita Falls, Texas, and is retired.

Bryan D. Beck, Jr. (B.S., 1939) of Beaumont, Texas, is a retired petroleum geologist and engineer and lets us know, "Look forward for the *Newsletter* every year. Thanks and best regards."

Lynn S. Beeler (B.S., 1962) lives in The Colony, Texas, is enjoying life in one of the Dallas suburbs, and is continuing to work in the programming field.

Sidney S. Bell (B.A., 1946) of Fort Plain, New York, has an e-mail address of sidbell@capital.net, is retired and hand crafting silver alloy into coat hooks and letter openers with a wildlife motif, and writes, "Have been keeping the VA hospital in business as I slide downhill with blood sugar-heart-cancer problems and all the testing. Only satisfaction is that I outlasted Clinton, so far."

Walter E. Belt, Jr. (B.S., 1943), e-mail address of webeltjr@starband.net, is retired in Flatonia, Texas, and writes, "Virginia and I are doing great. We are both one year older."

David S. Birsa (Ph.D., 1977) is Vice President of Technical Planning and New Ventures with PT Caltex Pacific Indonesia. His e-mail address is dsbirsa@ptcpi.com and lets us know he is alive and well in Jakarta, Indonesia. He is a member of the Geology Foundation Advisory Council.

Norman G. Bishop (B.S., 1957) lives in Woodville, Texas, is a consultant with Thermal Reduction Processes, has an e-mail address of NB:2706@aol.com, and writes to tell us, "Semi-retired. Babs and I live in the deep East Texas pine forest and are cooling it a bit. Still working on gasification of organic waste material such as municipal and industrial solid waste. Got another patent for this type of technology last year."

Keith Bjork (B.S., 1984), an orthopedic surgeon in Amarillo, Texas, has an e-mail address of kbjorkmd@aol.com and writes, "Greetings to fellow geology majors and Swiss travelers. Keep in touch."

Fredrik S. Blackmar (B.S., 1955), e-mail address of fcblackmar@webtv.net, lives in Corpus Christi, Texas, and writes, "Still teaching golf/work with the local kids. Some good players on the way up. Also lapidary with the local mineral society. And, of course, fishing with son Phil and the grandsons."

Asa Lee Blankenship, Jr. (B.A., 1950, M.A., 1952) is a retired Vice President of Bank of America and writes, "Not much—watching the market. Would like to hear from old Texas Exes, especially in the Houston, Texas, area. Call me at 713-771-2936."

Patricia Bobeck (M.A., 1985) is a project manager with Texas Natural Resource Conservation Commission in Austin, Texas, with an e-mail address of

pbobeck@texas.net, and writes, "I'm beginning my ninth year at the Texas Natural Resource Conservation Commission overseeing hazardous waste cleanups. Weekends and evenings I am translating *Les Fontaines publiques de la ville de Dijon* from French to English. The 650-page book was written in 1856 by Henry Darcy as a report on how Darcy diverted water from a spring outside Dijon, transported it to Dijon, and distributed it to street fountains, public establishments, and private residences. In the book, Darcy presents the results of experiments he conducted which led him to formulate Darcy's law, widely used in petroleum geology and groundwater remediation. Son Dennis is a towering eighth-grader who's looking forward to high school and driving a car. In the last year, we moved closer to Barton Springs so I can swim more often, and we are very happy with our new neighborhood and school."

Neil Bockoven (M.A., 1976, Ph.D., 1980) of The Woodlands, Texas, is a geologist with ExxonMobil in Houston, and writes, "Have finally found the 'magic bullet' to working the Vicksburg successfully, and its \$6 gas prices! Having fun working and raising four kids. Life is busy and pretty happy. Miss the old UT crowd and trips to the Posse." E-mail address is neilinda@hotmail.com.

Silverio (Sil) Bosch (B.S., 1974, M.A., 1975), an independent petroleum geologist in Corpus Christi, Texas, writes, "I hope the hectic pace continues! Exploring in South Texas Wilcox has proven fruitful, and there is still so much more to find. Matthew (13) and Eric (11) dominate our lives now with all their projects, athletic competitions, and tons of homework. Lisa and I would rather continue to work in the office than come home to face homework. I'm not sure I could pass the seventh grade again. Just realizing what an elite education and honor it was to get my geological degrees at Texas. Seeing fellow graduate classmates (Chuck

Williamson now running Unocal) and (Dave Birsa way up the Chevron ladder) humbles me. Good luck to you all and in all your deals." E-mail address is sboschatcc@aol.com.

Walter A. Boyd, Jr. (B.S., 1953), a retired chief reservoir geologist in Houston, Texas, "Is still physically active and seeing the world, and thanks for the good job you all are doing." E-mail address is wildbill@p38.com.

Walt V. Boyle (B.S., 1954, M.A., 1955), a consulting geologist in Houston, Texas, writes, "Vada Marie and I are enjoying our world travels. In 2000, we made a return trip to St. Petersburg, Russia, and took a cruise on the *Silver Wind* to the Baltic Sea."

Bryan Bracken (M.A., 1982) lives in San Ramon, California, is a clastic reservoir specialist, and writes, "I am a member of Chevron's Technology Company, supporting reservoir management and research worldwide. The office is in California. But with merger with Texaco coming, Houston, here we come." E-mail address is brbr@chevron.com.

Philip Braithwaite (M.A., 1958) lives in Dallas, Texas, has an e-mail address of pxbraith@swbell.net, and states, "Have been retired from Mobil now for three years and am still enjoying the slower pace of life without the daily commuting in Dallas traffic. Barbara and I enjoy our various hobbies and interests and do a little traveling each year. Greetings to old classmates!"

Robert F. Brandt (B.S., 1957), lives in Houston, Texas, and says, "I am an adjunct instructor of physical geology (both on campus and by distance education) and environmental science at Houston Community College. I am supposedly semi-retired, but my workload seems to stay about the same. I have become a rather active environmentalist in my older years." E-mail address is rfbrandt@aol.com.

Charles M. Brasier (B.S., 1983) is a Regional Manager of Operations with Monarch Dental Associates in Houston, Texas, has an e-mail address of brasier5@juno.com, and writes, "I've finally managed to break out of home health and have found a niche for my services in the dental industry. I'm very active in Boy Scouts and Cub Scouts. I am the Geology Merit Badge Counselor for my son's troop. Susan and the three boys, Nicholas (12), Austin (10), and Gregory (3), are all doing well. Hello to Mike Stowbridge and Bill Ervin!"

Herbert L. Brewer (B.S., 1947), of Dallas, Texas, is Chairman of Madison Oil Company, has an e-mail address of hlb@madisonoilco.com, and writes, "I attended the 1947-1948 Brady Bunch reunion in Corpus Christi last October. Hewitt Fox, Chuck Forney, and the others deserve credit for their efforts. It was good to see some of the old group. I am still active. We took our company, Madison Oil Company, public in 2000 and are traded on the Toronto exchange."

Thomas E. Bridge (Ph.D., 1966) is retired in Strong City, Kansas. His e-mail address is bridgeth@engoria.edu.

David Bristol (M.A., 1987) lives in Houston, Texas, and is Senior Vice President with Sentinel Trust Company. E-mail address is dbristol@sentineltrust.com.

Buddy Brock (B.S., 1956) is semi-retired, lives in Edna, Texas, and says, "I find myself less excited about the high price of natural gas since I am on the paying end now. Semi-retired merely means working when you want to!" E-mail address is bbrock@ykc.com.

Ken Brook (B.S., 1967), of Reno, Nevada, is President of Desert Ventures, Inc., and states, "We are hoping the new Bush administration can breathe some life into the natural resource industries such as mining."

C. Douglas Brown (B.S., 1984) of Dallas, Texas, is President of BXP, Ltd., and says that BXP is focused on

acquiring and developing gas properties in South Texas. E-mail address is bxpco@aol.com.

Wallace E. Brunson (B.S., 1942, M.A., 1954) is retired in Houston, Texas, and keeps an office with Big 6 Drilling Company just to keep up with West Texas activity.

J. E. (Woody) Bryant (B.S., 1943, M.A., 1948), an independent geologist in Fredericksburg, Texas, writes, "Enjoy occasional visits with old friends. Still actively looking for oil and gas prospects in South Texas."

Leonard C. Bryant (B.S., 1957) is an independent geologist in Helotes, Texas.

Julius A. Buchanan (B.S., 1941) is retired in Tyler, Texas, and tells us, "Just thinking, we who went to work as geologists in the 1940's enjoyed the 'Golden Years' of our industry. What happened to those great jobs and nice people? I am still kicking and doing pretty good."

Thais Freda Bullard (M.A., 1951) writes, "Last year, Dr. Tom Barrow and I initiated a new fund in my father's memory with the Geology Foundation: The Fred M. Bullard Student Research Fund to support students for whom he was a dedicated, devoted teacher and for research in areas of Fred Bullard's special professional legacy: Volcanology and Geothermal Energy and related fields, and also a history of the UT Geology Department, of which he was a faculty member from 1924 to 1994—70 years! This research may involve the processing and use of some of his extensive film collections taken by him from the 1930's to 1990's, including color slides, movies, and black and whites, which portray volcanoes and geologic phenomena all over the world and also document many decades of history of the Geology Department: Construction of its first building in the 1930's with funds from University oil lands, its field trips, summer camps, meetings, and many other happenings.

For a project on history of the Geology Department, Bob Cuyler, Jr., has now donated his father's collections of historic photos of the famous historic Brady field camps and more! So please look over your own memorabilia and think of adding to this collection any photos you may have of your times in the Geology Department!

Also, any personal recollections you care to offer about your days in Geology at UT—stories, events, memories will be added to the information base that will offer dimension and enjoyment to a history of those great old times, your times and mine, in the UT Geology Department! So please send in your historic memories! All contributions will truly be immensely appreciated.

Also, the FMB Fund may support the processing of the Fred M. Bullard papers, archived upon invitation by The University libraries, but not yet cataloged, which will contribute much to the Department history. Who would like to catalog these papers?

The Fred M. Bullard Student Research Fund needs contributions! Send c/o Department of Geological Sciences, Geology Foundation, The University of Texas at Austin, Austin, Texas 78712-1101.

Help! I need your advice. I am searching for an appropriate archive facility that can preserve the Bullard scientific documentary film collections and make them available for research and an appraiser who can understand the value of these collections. Please let me know if you have any ideas about whom I might contract to evaluate the donation of these important collections for posterity." E-mail address is thaisbullard@aol.com.

Thomas M. Burke (B.S., 1949), a petroleum consultant in Houston, Texas, writes, "Best wishes to all of you. Hope you are enjoying your life. Keep the faith and remember who is the real BOSS. Our three children all work in the oil business in Houston. We have eight grandchildren, and they are growing up too



FRANCIS NORMAN (LEFT), JACK NORMAN (CENTER), AND MARGARET FOX (RIGHT) AT 1947-1948 BRADY BUNCH REUNION IN CORPUS CHRISTI, TEXAS, ON OCTOBER 6-9, 2000.

PHOTO PROVIDED BY BOB GRAYSON.

fast." Mr. Burke is a member of the Geology Foundation Advisory Council.

T. J. (Jeff) Burnett, Jr. (B.S., 1949) is retired in Houston, Texas, and writes, "Catae and I still enjoy a small amount of travel and our extended family of three kids, eight grandkids, and two grandsons-in-law." E-mail address is tomjbjr@aol.com.

Edward R. Burt, III (Ph.D., 1970) is a radiation protection manager with Division of Radiation Protection in Raleigh, North Carolina. He writes, "My wife Betty died in 1998. I got remarried to Becky in 2000 and moved to Holly Springs, North Carolina, where I look forward to living after I retire in May 2002. As a result of three marriages, I have five children and stepchildren all grown but no grandchildren yet." His e-mail address is ed.burt@ncmail.net.

Leon G. Byerley (B.S., 1952) is self employed in Midland, Texas.

Gary Byrd (B.S., 1984) is a roofing contractor in Rockwall, Texas, and writes, "Roofing and collecting fossils for fun. Jesse (17), Zachary (15), and Georgia (8) are keeping me and Carol busy."

Susan Kiefner Cage (B.A., 1950) and **Warren Jackson Cage, Jr.** (B.S., 1950), who are both retired, write, "We are still enjoying Sun City in Georgetown, Texas, and are participating in the many nature-oriented activities here. We went to nearly all of the home UT games, even taking 'out of staters' with us. We enjoy the *Newsletter*."

Frank Cahoon (B.S., 1957), an oil operator in Midland, Texas, writes, "Doing some exploration with better prices and enjoying our children and grandchildren."

Amy L. Campbell (B.S., 1997) lives in Austin, Texas, is a financial advisor with Morgan Stanley, and has an e-mail address of amy.campbell@morganstanley.com.

Donald H. Campbell (M.A., 1962) is CEO with Campbell Petrographic Services, Inc., has an e-mail address of campbell@mhtc.net, lives in Dodgeville, Wisconsin, and writes, "Deep snow this winter. Deer at front door. Cement and concrete work continues apace."

Donald M. Campbell (B.A., 1955) lets us know, "Having hit the big 70 this year, I now reflect on my past work. After graduating in 1954 and then two years in the U.S. Army, I began my career as a geologist/geophysicist. I mud logged, doodle bugged, sat wells, and did land geomagnetic surveys all over Alaska, many islands in the Pacific and Caribbean, and some Asian countries. I also managed gravity and magnetic programs and trained personnel in this work, which took me to every country in Latin America. Retiring in 1988, I helped take care of family in San Antonio, Texas, Kansas City, Missouri, and Maryland until 1995, when this was no longer needed. I then started working part time in new home sales at Lake Lingamore near Frederick, Maryland, and now currently working in special education at a local elementary school. I married in 1973 and have one daughter and one granddaughter who is in the second grade. While I dearly love Texas, I have traveled and moved a lot, living in such places as Alaska, Hawaii, Colorado, Boston, Massachusetts, Maryland, and many other places for periods of a few weeks to a few years. I have been to all fifty states. However, I will probably stay in the Maryland area being near my family and my wife's family who is from Maryland. But I still plan to visit Texas when I can. Anybody coming this way for a visit, please feel free to drop by. I'm at 6639 Commodore Court, New Market, Maryland 21774."

A. T. (Toby) Carleton (B.S., 1951, M.A., 1952) is an independent geologist and rancher in Midland, Texas. He writes, "I continue to work in the oil and gas business, working with professional societies and am still in the ranching

business. None are very profitable, but they keep me busy. Same wife, same three kids, and five grandkids also keep me active." Mr. Carleton is a member of the Geology Foundation Advisory Council.

Marvin T. Carlsen (B.S., 1952) is a retired mud logger and junior high school teacher in Midland, Texas, and tells us, "I enjoy the annual *Newsletter* updating Geological Sciences activities at UT. My wife and I took a trip to Europe in September 2000 to visit cousins of mine living on an island in the North Sea (off the German-Denmark Coast). Attended a church where my parents were married. Very interesting trip! Best wishes to alumni and faculty."

Royce P. Carr (B.S., 1976), e-mail address of rpcarr@bluebonnet.net, lives in Mount Pleasant, Texas, and informs us, "I was named President of Pentad Oil and Gas, L.L.C., in June 2000. We are active in northeast Texas and West Texas. My oldest son, Preston, is in the McCombs School of Business at UT. He will take his first geology class next fall."

Richard F. Carroll (B.S., 1980), a geologist with ExxonMobil Production Company in Houston, Texas, lives in The Woodlands, has an e-mail address of richard.f.carroll@exxonmobil.com, and tells us, "I'm still with this huge paper-pushing company, pushing my share of paper. I'm single again but working too much to enjoy it, yet. Going to China and Tibet in the fall with stops in Cambodia and Thailand."

Jack C. Cartwright (B.S., 1951, M.A., 1955) is self-employed and an owner in Midland, Texas, and writes, "This year marks the half century milestone since graduation after the summer field trip of 1951 at Brady. All and all, it's been a good time to be a geologist. Barbara and I will celebrate 46 years together after meeting at UT when I came back for graduate school."

John P. Castagna (Ph.D., 1983), of Norman, Oklahoma, is a Professor at

the University of Oklahoma. E-mail address is castagna@ou.edu.

Chuck Caughey (B.S., 1969, M.A., 1973), an Exploration Manager, Offshore with Gulf Indonesia Resources in Jakarta, Indonesia, has an e-mail address of caughey@cbn.net.id. He states, "I'm working offshore now, looking for that next big oil discovery while drilling a few dry holes along the way. Also, helping organize student AAPG chapters at Indonesian universities and meeting a lot of bright young geoscientists."

Walter Chatham, Jr. (B.A., 1948, M.A., 1950) is retired and "Still chugging along" in Mineral Wells, Texas. E-mail address is chatham@cox-internet.com.

Tom Clark (M.A., 1972), of Mahtomedi, Minnesota, is a senior hydrologist with Minnesota Pollution Control Agency in St. Paul and is "Still working to protect ground water in the Land of 10,000 Lakes (and Jesse Ventura). Cindy and I became first-time grandparents on February 19."

Wilbur R. Cleaves, M.D. (B.A., 1960) is a family physician in Corpus Christi, Texas, and states, "Am taking sabbatical year off, traveling, visiting relatives, medical volunteer work, wife successful novelist, children educated and happy."

Joel Coffman (B.S., 1984), of Vacaville, California, writes, "Lots of changes and all for the good! Took a job as the geologist overseeing environmental clean-ups in Napa County and love it! No longer in the consulting world pandering to clients that only are trying to get out of cleaning up their messes (while attempting to appear to care about the environment)! It feels good to be able to actually make a difference and get some sites cleaned up! Traveling some, still a rabid Sacramento Kings' fan and friend and enjoy the single life, for now! If any grads/friends are in the area, look me up!"

Kitty Coley (B.S., 1979, M.S., 1987), e-mail address of hoodcoley@cs.com, and a consultant in Austin, Texas,

writes, "Enjoying traveling around the world as a lecturer for Smithsonian and National Geographic study tours. Happily married with three dogs. Life is full and good!"

Steve Compton (B.S., 1981), of Houston, Texas, is Vice President of TRI-C Resources, has an e-mail address of scompton@tricrosources.com, and tells us, "With natural gas prices over \$5, I now understand, after 20 years, why I got into this business. I hope all my friends are doing well, too."

Carlton Cook (B.S., 1978) lives in Houston, Texas, is a geologist with LLOG Exploration Company, and has an e-mail address of carltoncook@llogtx.com.

Mary Beth Cooper (B.A., 1967, M.A., 1969) is employed with Denver Health Medical Center in Denver, Colorado. She writes, "Hi, we are enjoying semi-retirement. My husband, Ted Fons, continues to make and display pottery. I'm a half-time RN on the pediatrics ward of the city/county hospital. I love working with kids. Enjoy the news of alumni each year."

Taliaferro Cooper (B.S., 1949) is an independent in San Antonio, Texas.

Frank G. Cornish (M.A., 1975), e-mail address of fcornish@interconnect.net, and a geologist with Yuma Exploration and Production in Corpus Christi, Texas, writes, "Moved for the first time in 18 years! Spent this year remodeling. All kids in college. Still talking to kids in school about earth science. Gave Texas dinosaur talk to museum for elder hostel. Found some more Vicksburg gas in Hidalgo County, Wilcox discoveries in Wharton. Finally got a workstation."

Augustus Santiago Cotera, Jr. (B.S., 1952, M.A., 1956, Ph.D., 1962), of Avondale, Arizona, is Professor Emeritus of Geology at Northern Arizona University and has an e-mail address of ascotera@att.net. He writes, "Still writing, finished one, one more to go. Enjoying good health, a wonderful wife, travels to Europe, and two grandchildren. Does it get any better? I think not."



(FROM LOWER LEFT TO RIGHT) KAY WADDELL, MARGARET FOX, BILLIE FAY GRAYSON, BOB GRAYSON AND AL NELSON AT 1947-1948 BRADY BUNCH REUNION IN CORPUS CHRISTI, TEXAS, ON OCTOBER 6-9, 2000.

PHOTO PROVIDED BY BOB GRAYSON.

Raymond W. Cozby, III (B.A., 1983), a banker/attorney in Tyler, Texas, has an e-mail address of rcozby@regionsbank.com.

Fredrick E. Crawford (B.S., 1983), manager of a surveying and mapping department in Austin, Texas, lives in Buda and states, "All is well here in Austin. Enjoying work and finding time to garden and kayak." E-mail address is fred.crawford@lcr.org.

W. R. Cree (B.S., 1952) lives in Abilene, Texas, and is retired.

John Crowell (B.S., 1939), of Santa Barbara, California, is a Professor Emeritus and tells us, "Still trying to complete some of my geological writing. Come this summer, I may be able to retire and relax."

Thomas M. Culbertson (M.A., 1948) is a retired Professor in San Antonio, Texas, and lets us know, "Founded the Regional Clean Air and Water Association about 15 years ago. Found out that the public isn't as interested as I thought they would be."

Hugh W. Curfman (B.S., 1948), retired in Lafayette, Louisiana, writes, "Enjoyed meeting with '1947-48 Brady Bunch' in Corpus Christi, Texas, in October. The OU-Texas game hurt to watch, but enjoyed seeing Bob Grayson and others."

William W. Curtis (B.A., 1982), of Austin, Texas, is President of Empire Production Company. E-mail address is wwcurtis@austin.rr.com.

Darcy (Brooks) Cuthill (B.S., 1993) lives in Calgary, Alberta, Canada, where she is Country Manager with Landmark Canada. She writes, "Things are going well in Canada for myself and my husband Kary. We are both very active in the Calgary oil patch and enjoying the high oil prices (even if they are just a temporary effect!). I have a new general management position as of January 1 of this year, and I am learning how to lead people and grow a technology business. My geoscience degree still comes in handy each and every day. I hope all of my classmates are doing well and would love to get together again in the near future."

John H. Dante (Attended 1944) wants us to know he is retired and still alive in Naples, Florida.

Harris P. (Koop) Darcy (B.S., 1951), an independent in Houston, Texas, writes, "Visit or write to the Institute for Creation Research, P. O. Box 2667, El Cajon, California 92021-0667 for their catalog. They have a great report on the geology of the Grand Canyon. Also, write or visit the Creation Evidences

Museum, P. O. Box 309, Glen Rose, Texas 76048 for their catalog. They have some great information on dinosaurs."

E. Julius Dasch (M.A., 1959) lives in Washington, DC, with an e-mail address of j.dasch@hq.nasa.gov, and writes, "I continue to direct NASA Space Grant and NASA EPSCoR (Experimental Program to Stimulate Competitive Research). I keep up with Frank Daugherty, Bill Wilbert, Dick Bennett, Dave Amsbury, and Luther Wadsworth Bridges III (Dan). Dan is off to just about everywhere, bird watching. He hopes to reach 3,000 species by the end of 2001! Speaking of lists, I'm short about 20 percent of the top geologic things to do, but I did climb Ayers Rock last June."

David DeBalko (M.A., 1991) is President and Chief Executive Officer of Logic Approach in Austin, Texas, has an e-mail address of david.debalko@logicapproach.com, and writes, "In September 2000, I got engaged to my sweetheart Diana Dinh. Diana and I have known each other for quite some time. Earlier in the year, we formed Web & New Media Company, Inc. During most of Year 2000, I continued to work at PricewaterhouseCoopers as a management consultant, and Diana worked at Andersen as a senior consultant in the Advanced Technology Group. Needless to say, we both traveled endlessly and saw each other only when our schedules permitted. After getting engaged, we decided to leave our Houston-based jobs for the Silicon Hills of Austin. In November 2000, we bought the assets of Logic Approach, a 12-year-old computer store in Austin. Logic Approach is a division of Web & New Media Company, Inc., and now offers end-to-end professional services in networking, security, application development, training, and technology consulting. Now, even though we are both very busy, we see each other every day, and I couldn't be happier!"

Leslie A. Dedeke, Jr. (B.S., 1955) writes, "This year (2001) marks the 50th anniversary of my coming to UT and

entering into four years of study to obtain a degree in geology. After spending 35 years in the oil patch (Humble and Union Oil of California) doing exploration geophysics, I'm retired (1992) and living the good life in New Braunfels, Texas."

Carlos H. Deere (B.S., 1950), of Bellville, Texas, is retired and writes, "When last we met, I was doing a screenplay about a woman under the influence in a submarine. Well, that didn't sell, either. Now, I've just finished one about a woman who turns from a hard-working geologist to a femme fatale in the oil fields of West Texas. If the big boys fiddle with me on this one, I'll sic this woman on them."

Frederik E. Dekker (M.A., 1966), a managing director in Houston, Texas, with an e-mail address of fdekker@wt.net, writes, "My start-up company, Wessex Exploration, Ltd., was awarded an exploration license onshore in southern England, 20 km from giant Wytch Farm oil field. Have started G. and G. work and am looking for investors. Having lots of fun doing it."

Charles De Lancey (B.S., 1940, M.A., 1942), of Houston, Texas, is retired from Exxon, U.S.A. He writes, "We (with wife Eleanor) have definitely slowed down. Even though we are worldwide travelers, there is so much more we would have liked to see. We just watch the travel and nature programs on TV now."

Debra M. Delong (B.S., 1980) is a graduate student and Teaching Assistant at University of Alaska, Fairbanks, has an e-mail address of ftdmd@uaf.edu, and writes, "Still in Alaska enjoying the gorgeous scenery. Finish my M.A. in Communication in May 2001. Still spending my summers looking at rocks and explaining structure. Let me know if you're coming to Alaska."

Rev. John Lane Denson, III (B.A., 1949, M.A., 1950) lives in Nashville, Tennessee, is an editor/publisher of *COVENANT*, a journal of opinion and commentary on the church, a part-time



(LEFT TO RIGHT) DORIS WALKER (GAIL), KENT WADDELL, THAIS BULLARD, KAY WADDELL, CHUCK FORNEY, MARGARET FOX, BILLIE FAY GRAYSON, BOB GRAYSON, AL NELSON, AND HERB BREWER AT 1947-1948 BRADY BUNCH REUNION IN CORPUS CHRISTI, TEXAS, ON OCTOBER 6-9, 2000.

PHOTO PROVIDED BY BOB GRAYSON.

associate at St. Augustine Chapel, Vanderbilt University, and plays trumpet in the Monday Night Jazz Band, and writes, "Scott Thomas Denson, Jr., is the latest grandson, born on 26 July 2000, in Houston, Texas. Consulting staff geologist for my wife Caroline, informing her that it's the Pale Member, Catheys Formation, Nashville Group of the Upper Ordovician limestone she keeps disturbing with her landscaping and gardening. So far, my accounts payable have gone unnoticed." E-mail address is john.l.denson@vanderbilt.edu.

George P. Derry, Jr. (B.S., 1949), of Portland, Texas, is a retired consulting geologist who writes, "I am celebrating my 14th anniversary this year for a heart transplant I received at St. Luke's Hospital on February 8, 1987. Thanks be to God, for it is a miracle!"

Kathleen Roosa Dillon (B.A., 1981), a resident of Houston, Texas, has an e-mail of kdillhou@swbell.net. and has a geotech position.

Jane Ormond Dinkins (B.S., 1938) lives in Houston, Texas, is retired, and states,

"Still raising Red Angus cattle at Chappell Hill."

George Donnelly (B.S., 1940) is still with the Eastland Oil Company in Midland, Texas. He is a member of the Geology Foundation Advisory Council.

Gene C. Doty (B.S., 1954), a retired U.S. Geological Survey hydrologist from Las Vegas, Nevada, writes, "Mopsy and I are well and enjoying the blessings of the pilot's prayer: 'Please, Lord, keep it dull.'"

Larry Doyle (B.S., 1950) lives in San Antonio, Texas, is President of HydroGeology International, a ground water and environmental consulting firm, has an e-mail address of flohydro@peoplepc.com, and writes, "Giovanna and I returned to Europe last summer to visit relatives and friends. A high point was our pilgrimage to the Matterhorn."

Robert E. Doyle (B.S., 1955), a resident of Houston, Texas, is President of American Energy Investment Group, has an e-mail address of rbdoyole1aieg@aol.com, and states, "Continue to

purchase producing gas wells and to undertake drilling and oil well repair programs in Russia. It appears that higher gas prices may be with us for a while. But like the weather is subject to rapid and extreme changes!"

Thomas V. (Tommy) Dubois (B.S., 1977), an independent geologist in Corpus Christi, Texas, has an e-mail address of tommydubois@hotmail.com, and writes, "Started working last year with another UTEX, David Skidmore. Prospecting the Frio and Wilcox in South Texas. Hope this 'boom' holds for another couple of years. I don't think I can wait for the next one."

Phillip Duggan (B.S., 1982) states, "Still hanging it in Houston, Texas, and enjoying being a dad. Shaun is 8. Kelly is 5. I'm thirsty."

Don Dunbar, Jr. (B.S., 1951), e-mail address of dgdunbar@airmail.net, lives in Corsicana, Texas, is an independent petroleum geologist, and writes, "Same stand, same stuff, mostly reacting to action by others."

Laurie Duncan (M.A., 1997, Ph.D., 2001) has an e-mail address of laurie@ig.utexas.edu in Austin, Texas.

David E. Dunn (Ph.D., 1964) lives in Richardson, Texas, has an e-mail address of ddunn@utdallas.edu, is a retired Dean Emeritus, and writes, "My last class of the spring semester went so well that I decided to stop teaching on a high note, so I am now fully retired. I continue to work for the Geological Society of America. Beginning in November, it will be in a new capacity as a Trustee of the GSA Foundation."

Kent Duran (B.S., 1983), of Lago Vista, Texas, is a geologist, and tells us, "Family is doing well. Moved to Austin last year, working for an environmental engineering firm. Though Austin has changed in 20 years, some favorite spots still do exist."

Steve Dworkin (Ph.D., 1991) is a Professor in the Geological Sciences Department at Baylor University in

Waco, Texas, lives in China Springs, and writes, "As my accomplishments grow ever greater, so too do the accolades. This past year, I was voted one of the top three low temperature geochemists in McLennan County, Texas. Having reached the pinnacle of geochemistry, I have moved on to greater challenges. Dr. E. F. McBride has garnered my collaboration on a project related to his widely acclaimed 'McBride Number,' a mathematical calculation of the total number of sand grains on e Earth. My good friend Earle has suggested that I test the accuracy of the 'McBride Number' through the process of physical enumeration. I have started my count in the upper reaches of the Brazos River and plan to reach the Gulf Coast early next year. Prospective graduate students, please contact me at Baylor University."

Connie Mayes Dyer (B.A., 1958), a homemaker in Houston, Texas, writes, "All is well. Byron is somewhat retired, so we've had the opportunity to do some traveling. Serving some nonprofits, and six grandchildren (who all live in Houston) keep me otherwise occupied." E-mail address is bdyer@pdq.net.

Fred A. Ealand (B.S., 1948) retired from Exxon in 1986 and writes, "Happy to report the new year finds me and all my family well and happy. They drug me into the 21st century by giving me a computer. It's frustrating but fun using e-mail. Fifteen years into retirement and still going strong!" E-mail address is fredealand@worldnet.att.net.

Charles Ehlers (B.S., 1978), of Richardson, Texas, is an engineer with WorldCom.

Ruben Ellert (B.S., 1950) is a retired coastal oil and gas geophysicist in Corpus Christi, Texas, and is very glad to be retired with all the mergers and layoffs.

Laura Elliott (M.A., 1985), a resident of Longmont, Colorado, is a senior consultant in geoscience with International Reservoir Technologies in Lakewood,

with an e-mail address of letillman@irt-inc.com.

Joe Elo, Jr. (B.S., 1956), a retired independent geologist, lives in Fort Worth, Texas.

Lisa Richards Emmet (B.S., 1981) is employed in Houston, Texas, lives in Cypress, and states, "Pete and Lisa are doing great. Pete continues with international exploration at Pluspetrol. Lisa is a senior hydrogeologist at Applied Earth Sciences. Children Spencer (14) and Bonnie (10) are excelling at school and sports. We miss those UT friends! We have 11 acres in northwest Houston and would love some company. Hello to all 660 buds. Call us!"

Ross Ensley (B.S., 1972), a geophysical advisor in Colombia, has an e-mail address of ross.ensley@hocol.com.co, and writes, "Last year I moved overseas again. Bogota is a new and different place for me. I am enjoying working for a small company and learning the geology of a new area."

Rojelio P. Espinosa (B.S., 1985), a resident of San Antonio, Texas, is a senior explorationist, has an e-mail address of rpe95@aol.com, and announces the birth of a son, Nicolás, on November 13, 2000.

David Evans (B.S., 1988) is a Regional Director of Petroleum Services and writes, "Have been in Idaho for about 18 months now and love the rural lifestyle. Can't seem to shake the environmental bug, 12 years and counting. Work takes me to New England much of the time. Hooked up with Greg Warren, who also lives in Idaho."

George H. Falk (B.S., 1957) is an independent in Seguin, Texas, and says, "Finally moving to Santa Fe this year, but still involved in drilling about one horizontal well per year in Central Texas."

Qing Fang (Ph.D., 2000) lives in Austin, Texas, and plans to be a geologist in Australia. E-mail address is qfang@rocoil.com.au.

Aurelia (Real) Timpte Fay (B.S., 1958) is retired in Corpus Christi, Texas. E-mail address is tfay732444@aol.com.

Irma Morgan Feibelman (B.S., 1959) is retired in Canyon Lake, Texas. Her e-mail address is jimirma@gvtc.com.

Richard C. Finch (Ph.D., 1972) lives in Cookeville, Tennessee, where he is a Gerente General with Rutahsa Adventures. He has an e-mail address of rfinch@ntech.edu. He informs us, "Retired from teaching in June 2000 after 25 years at Tennessee Tech University. Now devoting most of my time and energy to a second career running my small adventure travel company, Rutahsa Adventures, with my wife Janie. We specialize in Latin American adventure trips but are planning to get into Asia soon."

Walter M. Fitzgerald, Jr. (B.S., 1953), of Lufkin, Texas, is retired from Temple Inland and lets us know, "Still enjoying your *Newsletter*. Had surgery in February 2000 for throat cancer. Recovery is slow, but enjoying my visits around Lufkin. Here is an amusing thought: The older you get, the better your forgetter gets."

Jose A. (Tony) Flores, Jr. (B.S., 1990), of Rosenberg, Texas, is a senior geologist in Houston and writes, "Watching the kids grow and working at BNC Environmental Services keep me busy constantly. Hook 'em Horns!" E-mail address is tflores@bncenv.com.

Robert C. Floyd (B.S., 1958), a lawyer in Houston, Texas, is in the process of retiring. E-mail address is dadfloyd@msn.com.

Hewitt B. Fox (B.A., 1947, B.S., 1948, M.A., 1948), a resident of Corpus Christi, Texas, is Chief Executive Officer and Owner of Hewitt B. Fox, Inc. and writes, "Lawrence Hoover, Chuck Forney, and I were hosts to the millennium reunion of the 1947-48 'Brady Bunch' geology graduates in early October. Everyone enjoyed the weekend except for the OU slaughter of the Longhorns.

Hope to drill my Rocky Mountain wildcat prospects this year!!" E-mail address is hewittbfoxinc@aol.com.

Curtis C. Franks (B.S., 1950), of Fair Oaks Ranch, Texas, is still mostly retired and enjoying it.

Reverend Todd Freeman (B.S., 1978) is Pastor of Bethany Presbyterian Church, has an e-mail address of revtoddf@aol.com, and writes, "Ordained in 1993. I serve an inclusive, multicultural congregation in the Oak Lawn area of Dallas, Texas. I still miss the science of geology."

Annabelle Bannahan Friddle (B.A., 1945, M.A., 1950) writes, "I enjoy the *Newsletter* very much. I still live in Aztec, New Mexico."

Tatiana Frierson (B.S., 1985) is a Regional Operations Director and lets us know, "Going on my 11th year with Perot Systems. Now working in Chicago, Illinois, for our UBS Warburg client but still living in Dallas, Texas, doing the road warrior life. Would love to hook up with the GeoDogs from summer 1985 field camp. Hope all is well with everyone." E-mail address is tatiana.frierson@ps.net.

Deborah Fritz (M.A., 1974) lives in Hockley, Texas.

Jack Q. Frizzell (B.S., 1950) is President of Enrich Oil Corporation in Abilene, Texas, where he has an e-mail address of enrich@bitstreet.com. He writes, "We are enjoying the hunt more now that prices for oil and gas are at economically profitable levels. The future looks great for exploration. Wife Pat and sons Allan and Lane still active in the search for more oil."

James B. Furrh, Jr. (B.S., 1950) is owner of James B. Furrh, Inc., in Jackson, Mississippi, and states, "Still active in Mississippi, Alabama, and East Texas. Am involved in concession in New Caledonia."

Abelardo Garza-Hernandez (B.S., 1975) has an e-mail address of abgarza@

infosel.net.mx and writes, "Presently providing consulting services for foreign companies in Mexico in geology, environment, and landman."

Thurman Geddie (B.S., 1945), a petroleum geologist in Austin, Texas, has an e-mail address of tgggl@aol.com and says, "I don't know how to stop working with present oil and gas prices the way they are."

Christianne Gell (B.S., 1996) has an e-mail address of christigell@hotmail.com and announces, "I recently accepted a new job with GeoGraphix Corporation as a technical sales consultant. Charlie and I are still in Houston, Texas."

Fred M. Gibson (B.A., 1951) is still semi-retired and doing statistical work at the Internal Revenue Service in Austin, Texas.

Jerry R. Gips (B.S., 1970), e-mail address of jerrygips@aol.com, is a consulting geologist in Houston, Texas, and writes, "Second son accepted to UT. By the time you read this, I may have two sons at UT. Regards to all."

Paul Giraudin, Jr. (B.S., 1948), of Corpus Christi, Texas, is retired and asked, "What can an 80-year-old say, except to give thanks regularly for being here?" E-mail address is pgiraudin@juno.com.

Georgette Covo Browder Goble (Mrs. John E.) (B.A., 1944) is a community volunteer and homemaker in Waco, Texas. She writes, "I always enjoy the *Newsletter*, and am proud that my degree is from UT. My blended family of six children, six spouses, nine grandchildren, and one great-grandson keeps me busy trying to keep up with birthdays. John is not retired, but we take time off for cruises and other trips."

Lisa (Rusty) Goetz-Markley (M.A., 1977) is a Senior Explorationist, Development Ventures with Conoco, Inc., has an e-mail address of l.k.goetz@usa.conoco.com, and reports, "Alive, well, and still working in geology! Still in Houston, Texas, and Oklahoma working the oil patch. One foot in the independent's

camp (husband's company in Oklahoma) and one foot in international business development (Houston). It keeps us busy and on the road."

Michael Golden (B.S., 1978), of Houston, Texas, is a staff geophysicist with Anadarko. E-mail address is mike-golden@anadarko.com.

W. Leonard Goode (B.S., 1953) is a consulting geologist in Midland and reports all is well in West Texas.

Mark Gordon (Ph.D., 1990) lives in Cypress, Texas, has an e-mail address of mgordon@gxt.com, is a Depth Imager, and states, "I am in my fourth year working for GX Technology in Houston. We provide prestack depth migration and other geophysical services for oil and gas companies. Thought we would be settling in Houston for a while so we purchased a home in northwest Houston. It is still nice to get out of Houston occasionally to see some topography, so we have been to Santa Fe, New Mexico, and to Hungary and Romania over the past year.

Ronald L. Graner (B.S., 1958) resides in Brentwood, Tennessee, has an e-mail address of rgraner@juno.com, and says, "Still enjoying retirement. I keep trying to improve my golf game without much success. But it sure is fun trying."

Volker C. Grasso (B.S., 1949) is retired in Oklahoma City, Oklahoma, and is "Still an expatriate in Oklahoma City. Nothing new except three great-grandchildren and another on the way."

Amy Gray (B.S., 1995) is getting married in Austin, Texas, in August 2001, and is currently studying painting and design at an art school in Nashville, Tennessee.

C. D. (Digger) Gray (B.S., 1957), of Kerrville, Texas, lets us know, "I finally fully retired so we can travel and golf. I continue to be impressed by departmental growth and the *Newsletter*."

Robert W. Grayson (B.S., 1948), e-mail address of billlibob@juno.com, lives in Austin, Texas, and reports, "The 1947-1948 Brady Bunch met at Corpus Christi last October with around 15 attending. Thanks to Chuck Forney, Hewitt Fox, Lawrence Hoover, and Paul Giraudin for all arrangements. When and where is our next meeting?" He is retired.

Willard (Will) Green (M.A., 1955), an independent consultant in Midland, Texas, has an e-mail address of wgreen@midland.cc.tx.us, and says, "The favorable price for oil and gas has motivated me to generate prospects again. Will be showing two deals to prospective investors this spring. Am serving on the Midland College Board of Trustees and the City of Midland Assessment and Action Plan Committee."

Roy H. Guess (B.A., 1939, M.A., 1940) of Casper, Wyoming, is a consulting geologist and expert witness in oil business, has an e-mail address of rhguess@aol.com, and says, "There is an easy way to regenerate the energy business. First, raise depletion to 50 percent. This would generate much more income for the government than it would cost since it would apply ONLY to NEW OIL and GAS. The need is for investment capital. For rig builders and refineries, give a 10-year moratorium on taxes. Drilling companies could run free schools for roughnecks and drillers. I have many more ideas."

Bill Gumert (M.A., 1968) lives in Perkasio, Pennsylvania, is a geophysicist with Carson Aerogravity, has an e-mail address of bill.gumert@carsonservices.com, and writes, "Back to Mexico collecting aerogravity data for subsalt mapping. Drilling for gas in Oklahoma on gravity structures determined from survey in 2000. Have a play in Turkey and in Colombia. Surveys all over South America this summer 2001."

Eric P. Gustafson (Ph.D., 1977) has an e-mail address of egustafson@coinet.com,

lives in Eugene, is a restaurant manager, and lets us know, "I am dividing my time between Eugene and Redmond, Oregon, and looking at rocks and bones whenever possible. Recently spent three weeks in Ecuador and the Galápagos. Just published *Fishes of the Mio-Pliocene Ringold Formation* with G. R. Smith and Neil Morgan, University of Michigan, *Papers on Paleontology*, #32."

Susan (Williams) Haas (B.S., 1986), of Vienna, Virginia, is a mother and harpist. She informs us, "After eight years in the Chicago, Illinois, area, we moved for 14 savored months to Denver, Colorado, and are now settling into the D.C. suburbs. Being a mother to our three children, ages nine to three, and keeping up with one husband and many boxes keep life very full, indeed."

James J. Halbouty (B.A., 1942, M.A., 1943) lives in Houston, Texas, where he is retired. He tells us, "The years sure do go by fast. Trying to stay healthy. Wife, Dorsey, still as pretty as ever, is doing fairly well health-wise. Still playing the violin. Best regards to all who remember me."

C. Clyde Hamblin (B.S., 1950), e-mail address of rumas15f@aol.com, lives in Midland, Texas, is a semi-retired Petroleum Landman, and is "Really enjoying \$25-\$30 oil. Takes the heat off retirement. Semi-active. Doing some delayed traveling. Was in France in mid-April. Greetings to all old acquaintances."

Richard L. Harding (B.A., 1981) is a Senior Vice President for Exploration with KIPCO Oil and Gas in Graham, Texas. E-mail address is thor@wf.net.

James V. Hardwick (B.S., 1940) is retired.

Robert W. Hare (B.S., 1979) is a geologist in Fort Worth, Texas.

Louis H. Haring, Jr. (B.S., 1938), a resident of San Antonio, Texas, is President of Haring Energy Company and states, "Everything seems to be going fine. Prices of oil and gas doing much better,

so have continued to participate in a few wells annually. Traveling some and watching my three grandchildren develop."

Wiley B. Harle (B.S., 1950), of Houston, Texas, states, "Graduated 50 years ago August 2000. Retired and don't know how I ever found time to work."

Erik J. Harris (B.S., 1989), a resident of Austin, Texas, is an Engineer Associate with the City of Austin Public Works Department and writes, "Our second daughter, Camille, was born last June. Our first, Ingrid (3-½), has developed an early interest in rocks and fossils (probably from seeing all the rocks in her parent's and grandparent's homes and yards). I've been working in Engineering Design for the past year and have found my geology background to be invaluable in assessing slope stability and geotechnical surveys." E-mail address is emicharris@earthlink.net.

Monica Istvan Harris (B.A., 1990) lives in Austin, Texas.

Hubert J. Harrison (B.S., 1952, M.A., 1957) is a resident of Austin, Texas, and is an independent petroleum geologist.

H. Lee Harvard (B.A., 1955) is President of Harvard Petroleum Corporation in Roswell, New Mexico, and tells us, "Lee continues to be active in business (exploration and production in West Texas and New Mexico) and other activities (church, skiing, swimming, etc.). Joanne (Wertz, UT, 1955) is also doing well after a complete recovery from a bad fall and brain surgery. Son Jeff (UT, 1984) is Vice President of HPC and runs the day-to-day operations. Jeff, Jane (UT, 1986), Jeremy (8), and Julia (5) bring much pleasure to our lives." E-mail address is lharvard@usa.net.

Yemia Turnage Hashimoto (B.S., 1995), a resident of Walnut Creek, California, is a senior staff hydrogeologist with Geosyntec Consultants and states, "Mind-body-spirit. Mind: studying intensely for the grueling upcoming

R.G. exam. Body: running the Boston Marathon in April 2001. Spirit: living in the Bay Area. You have to keep your spirits up among the rolling blackouts and high-density population."

Laurence H. Hawes (B.S., 1951) is retired from ARCO Oil and Gas Company in Midland, Texas. He writes, "Always enjoy the *Newsletter* and reading about new and old geology graduates alike. My wife and I enjoy our retirement and traveling to new places and visiting friends and family."

Edward F. Haye (B.S., 1951) is President of Benchmark Exploration in Houston, Texas, and writes, "Still owner of Benchmark Exploration, no change from last year."

J. Don Haynes (B.S., 1956) of Woodcreek, Texas, is with J. Don Haynes Land and Geology in Wimberley, has an e-mail address of jdhaynes@wimberley.net, and tells us, "I still dabble in the oil business, but I have been doing geologic assessments in the Edwards Aquifer since 1997. I am the past chairman of the SIPES group in Austin."

Hugh Hay-Roe (M.A., 1952, Ph.D., 1958), of Kingwood, Texas, is Vice President for Exploration and Production with BPZ & Associates, Inc., in Houston with an e-mail address of hhr@hal-pc.org, and writes, "Doing project development (primarily GTL projects for stranded gas) in Latin America. Fifth grandchild arrived recently. Always glad to hear from old colleagues (and I do mean old) via phone or e-mail."

Leipin He (M.A., 1996) has an e-mail address of leih@chevron.com and is a geoscientist in New Orleans, Louisiana.

Arch H. Heim (B.S., 1950) is a retired Senior Research Engineer in Nelson, Missouri.

James H. Helland (Attended 1939 to 1943) writes, "I can hardly believe the prices we are getting for our oil and gas. If this keeps up for two more years, we might make up what the government

took away with the windfall profits tax." James is President of Inland Ocean, Inc., in San Antonio, Texas.

Larry Hensarling (B.S., 1956), an independent geologist in San Antonio, Texas, tells us, "Starting to drill a few wells due to better oil and gas prices. Let's hope this continues!"

Reverend Reid Hensarling (M.A., 1981) is a Rector at the Church of the Redeemer in Germantown, Tennessee, lives in Cordova and writes, "Thanks so much for continuing to send us a great publication in the *Newsletter*. I love reading it every year. Memphis continues to be a fascinating amalgamation of diverse cultures, strange weather patterns, and a rich history. We are enjoying ourselves."

Charles W. Henslee (B.S., 1951), retired in Houston, Texas, says, "Not much to add from last year. We celebrated our 50th wedding anniversary in June."

Harold T. Henslee (B.S., 1950), an independent in Amarillo, Texas, writes, "The better gas prices have motivated us to look for more prospects. Looking forward to a football national championship for the Longhorns. Playing golf and growing older."

Jon Herwig (M.A., 1982) lives in Kailua, Hawaii, is Vice President of AMEC Earth and Environmental, has an e-mail address of jcherwig@oees.com, and lets us know, "Well, the consolidation bug finally hit and Ogden Environmental was bought in November 2000 by a UK company called AMEC. Always a challenge when you are the 'buyee' but seems to be working out. A warm 'Aloha' to all."

Christoph Heubeck (M.A., 1988) resides in Berlin, Germany, and is a Professor at Freie Universität Berlin, with an e-mail address of cheubeck@zedat.fu-berlin.de. He states he fulfilled his secret aspiration of teaching and left the oil patch after six years with Amoco and BP in Houston, Texas, Tulsa, Oklahoma, and Calgary. After

15 years of absence, he, Maria, and Anna (4) (a Texan, born in Houston) returned to his native Germany to become an Associate Professor of Geology at the Free University Berlin. He is busy writing lectures and enjoys particularly multimedia applications, which offer innovative ways for instruction.

Suzanne Mechler Hewitt (B.S., 1989) and **Charlie Hewitt** (B.S., 1988, M.A., 1990) live in Arlington, Texas, where Charlie is a Commercial Market Manager for TXU Energy Services, and Suzanne is a homemaker. Their e-mail address is suzmeister@juno.com. Their news is that, "With two girls, Margaret (5) and Elizabeth (2), our household is never dull. Margaret has discovered dinosaurs, so we may have a budding paleontologist. Elizabeth's favorite dinosaur is purple and goes by the name of Barney. On the grown-up side of things, we did some traveling sans kids this year. In September, we went to Boston, Massachusetts, for an extended weekend. It was great to get a head start on the cool weather and know that fall couldn't be that far away here in Texas. This spring we took a trip to Germany. Charlie took in the beautiful scenery while Suzanne took on the autobahn."

Charles H. Hightower, Jr. (B.S., 1956) is a petroleum geologist in Lafayette, Louisiana.

Jeff Hildebrand (B.S., 1981), of Houston, Texas, is President of Hilcorp Energy Company and has an e-mail address of jhildebrand@hilcorp.com.

John D. Hill (B.S., 1949) is owner of Hill Energy Company in Dallas, Texas, and tells us, "Still finding oil for myself."

Nolan Hirsch (B.S., 1944) is President of MVC, Inc. in Midland, Texas, and tells us, "Things from my end are great, however, I still go to the office every day, invest in a few prospects, trying to think I'm still in the oil business. Keeping up with old production keeps me busy."

Carroll Ann Hodges (B.A., 1958), of Woodside, California, is retired from the U.S. Geological Survey, has an e-mail address of cahodges@att.net, and writes, "Well yes, there is life after the USGS. Got elected to Town Council a few years ago in this small but outrageously wealthy community on the fringe of Silicon Valley. I'm now Mayor for a year, a considerable but so far rewarding challenge, given my strong environmental bias. It will be a miracle if I don't get impeached! Lots of geological hazards here on the San Andreas Fault, so my former life is not entirely forgotten. Horse, home, and travel continue to consume the increasingly fleeting hours, days, and years!"

Ross J. Holden (B.S., 2001) has taken a position with Quorum in Houston, Texas.

Bill D. Holland (B.S., 1954), Chairman of First International Oil Corporation in Houston, Texas, has an e-mail address of bholland@fioc.com and states, "For the last year, I've been involved with FIOC, trying to find and develop oil in Kazakhstan. Family is well and happy."

David S. (Scotty) Holland (B.S., 1957) lives in Houston, Texas. He writes to tell us, "Still active in exploration with my son—Trend Exploration Company in Midland. Thinking about moving west. Been retired from Pennzoil since 1990. Enjoying life with wife." Scotty is a member of the Geology Foundation Advisory Council.

W. F. (Kirk) Holland (M.A., 1973) is doing principal management consulting for HSC Consultants in Austin, Texas. He writes, "**Ann St. Clair** (M.A., 1979) and I continue our second careers, not in geology, in Austin. Most of our free time revolves around the social and athletic life of our 12-year-old son, Cameron. Life is good." His e-mail address is kholland@austin.rr.com.

William C. (Boomer) Holland (B.S., 1981), a resident of Missouri City, Texas, is a principal geologist. He informs us,

"Working hard and enjoying the world in oil and gas. Family is well. Wife (Lana) and I have been busy. Hello to all members of the Batmobile. We all have good memories of those days."

James W. Hood (B.S., 1948), retired in Salt Lake City, writes, "Still at same address in Utah (37 years). Leading a quiet life and enjoying it immensely. Reasonably healthy."

Ben P. Hooper (B.S., 1980) is an Exploration Manager with Joy Resources in Houston, Texas. E-mail address is joseyhoop@msn.com.

Ed Hooper (B.S., 1982) writes, "Well having turned 40, it had to happen. I have given my job of the last eight years the flick, and Lizzy, the kids, and I are off for a year plus holiday. We plan to travel a fair bit but to make Oxford, United Kingdom, our base. Liz is to work when she can, me to wipe snotty noses."

Eleanor M. (Ellie) Hoover (B.S., 1956), of Conroe, Texas, is a consultant and retired Exxon geologist and tells us, "Good news about the new addition to the Geology Building and the hiring of Bob Goldhammer. I continue to serve on the Board of Commissioners in the local Emergency Service District (Fire and Medical Response) which is both exciting and challenging. E-mail is elliehoover@aol.com."

G. B. (Bill) Howard, IV (B.S., 1982) is President/Co-Owner of Flare Resources, Inc. in Houston, Texas, and has an e-mail address of gbhiv@aol.com.

Jack M. Howard (B.S., 1951) lives in Austin, Texas, is a consultant for geology/land, and writes, "Since graduation, 11 moves in 10 years. Zero moves for almost 40 years. Shirley and I would welcome a visit."

Ed W. Hughston (M.A., 1950) is an independent geologist and is, "Still living in Taos, New Mexico, after some 22 years with considerable time periods each year in Texas, Colorado, and



START OF GEO 660 FIELD TRIP IN 1980; "COWBOY" ESCORT, PAT TALAMAS STANDING.

PHOTO PROVIDED BY MIKE MILLER.

Mexico. Active in helping promote Gulf Coast drilling deals."

Steven D. Hulke (M.A., 1978) lives in Oklahoma City, Oklahoma, and is a geological advisor with Devon Energy.

Emmett A. Humble (B.A., 1949, M.A., 1951) is a retired President of Esso Exploration (Exxon) in Houston, Texas, has an e-mail address of ehumble@houston.rr.com, and states, "Completely retired from consulting as of January 1, 2001. Now keeping busy with personal affairs and community service activities."

Elvin M. Hurlbut, Jr. (B.S., 1943), retired in Tyler, Texas, writes, "Had a nice talk with Clarence (Clay) Durham after 42 years. Also, discovered my sophomore roommate, Dr. R. Lee Roda, whom I hadn't seen in 60 years. He cofounded Buffalo Gap Historic Village south of Abilene. Virginia and I and Rudolph, the cat, still kicking."

Dan Huston (M.A., 1987) is a geophysicist and an independent with Hunter 3-D, Inc. in Houston, Texas, has an e-mail address of hunter3d@wt.net,

and writes, "Holly and I are busy as independent consultants and have just moved into a new office. Check out our Web site at www.hunter3dinc.com. The kids are growing fast and so are the geese we are feeding in our backyard on Oyster Creek in Sugar Land."

Russell W. Jackson (B.S., 1976) has a position with Tyler Oil & Gas, Inc., and an e-mail address of rwjtogi@cox-internet.com and states, "We have a big boom in East Texas now. Having lots of fun. Enjoyed seeing UT GEO Ex's at NAPE in Houston. If business brings you to Tyler, give us a call."

S. Lance Jackson (B.S., 1979), of Kingwood, Texas, is Director of Offshore Exploration with J. M. Huber Corporation in Houston, has an e-mail address of btlxj@huber.com, and writes, "We had great success in the Gulf of Mexico in year 2000 with a good group of prospects for 2001. Hope to see old friends at AAPG this year. On the family side, we have two kids at UT now with only three more to go."

Michael Jaffre (B.S., 2000), e-mail address of mjaffre@hotmail.com, is a hydrogeologist with R. W. Harden & Associates in Austin, Texas.

Otis L. James, Jr. (M.A., 1952) is an independent in Gainesville, Texas, and reports no changes.

Jim Janssen (B.S., 1979) is employed with Walter Oil & Gas in Houston, Texas, doing geology and tells us, "Another year passes with no major news in the Janssen family. Things are going well at Walter except I wonder where all the new prospects are. It's getting pretty tough finding things on the shelf in the Gulf of Mexico."

Karen Jarocki (B.S., 1992, M.A., 1994) lives in Albuquerque, New Mexico, is a professional hydrogeologist with Montgomery Watson, has an e-mail address of jarocki@thuntek.net, and writes, "John and I stay incredibly busy with our three-year-old daughter Mica, jobs, and traveling."

Kenneth Lee Jarratt (B.S., 1957) is owner of Jarratt Realty in Edna, Texas, and states, "Getting closer to full retirement. All four grandkids keeping me busy. Still hunting and fishing as much as I can. Looking forward to football season at UT. Horns should be great!!"

Juan C. Jimenez (M.S., 1997), e-mail address of juan.jimenez@ihsenergy.com, lives in Cypress, Texas, and is a field researcher with IHS Energy.

Charles B. John (B.S., 1951) is a geologist with Bureau of Land Management in Tulsa, Oklahoma, and writes, "I continue research in the frontal and central thrust belts of the Ouachita Mountains of Oklahoma. Norma and I are doing fine after 54 plus years of marriage. I want to report the death of an old friend, Lee I. Meador (B.A., 1957), at Anacortes, Washington."

Charles A. Johnson (B.S., 1957) is from Midland, Texas, is President/Owner of Producers Pipeline Services, Inc., has an e-mail address of cjohnson@apex2000.net, and lets us know, "Still doing

engineering consulting (mostly natural gas) and operating some production of my own. Grateful for good health and better oil prices. Would like to hear from any of you. Lost Margie to a heart attack in 1993."

Charles G. Johnson (B.S., 1983), a geologist with McGowan Working Partners, Inc., in Jackson, Mississippi, has an e-mail address of charliegj@aol.com.

Charles E. Jones (B.S., 1951) is retired in Houston, Texas, since 1984 and enjoys it more every day.

Gene F. Keyser Jones (B.A., 1948), retired in Midland, Texas, says, "Writing 'retired' makes me smile. We are so busy! Some health challenges this year and the loss of some really good friends, among them Ted McFarlan. It is indeed encouraging to see lighted rigs at night and new pumping jacks silhouetted against the sunset. Hoorah for the prospects of a real energy policy! Thanks for all the hard work." E-mail address is philjl@juno.com.

J. Phil Jones (B.S., 1964) is a land consultant with Classic Exploration Trades, Inc., in Edmond, Oklahoma. He says, "Still working at Devon Energy in Oklahoma City. Still active in OCAPL and AAPL. Still greatly enjoyed NAPE in Houston, Texas. Still married to the same wonderful wife. Still have only two grandchildren. Still having a wonderful life. Regards to all." His e-mail address is philj@flash.net.

Jonny Jones (M.A., 1988), e-mail address of jjones@jonesenergy.com, lives in Austin, Texas, and writes, "Still drilling in the Texas Panhandle for gas although the plays keep getting deeper. Three kids (13), (10), and (7). Enjoying Austin."

Helmut W. Kasiske (B.S., 1954), e-mail address hwktex@aol.com, is retired in Houston, Texas, and writes, "Teresa and I enjoy traveling in our motor home. We have made the Alaska-Alcan trip three times. We are blessed with a great family—three daughters and a

son and four grandchildren. Good excuse for RVing. One daughter and family live in New Jersey, another lives in Pleasonton, California."

Edwin N. Kasper, Jr. (B.S., 1951), e-mail address of ekasperjr@iopener.net, is retired in Houston, Texas, and says, "Looking forward to being at the Ex-Student's Association for the 50th anniversary of UT Graduation Update 2001 this June. Should be a lot of fun. Still enjoying radio-controlled model aviation activity in South Texas along the Gulf Coast."

Steven G. Katz (Ph.D., 1975) is Managing Partner, E-commerce Business, G. Lieberman & Sons, Ltd., in Granville and writes, "Connie and I continue to enjoy living in Granville, Ohio. Regards to everyone at UT."

Ed R. Kennedy, Jr. (B.S., 1948, M.A., 1949), a consulting geologist in Midland, Texas, states, "Still keeping an office and fairly active but have a shorter work day. Still continue to play the Delaware Basin."

George L. Keppta (B.S., 1952) is retired in East Bernard, Texas, and tells us, "In May, we cruised across the Gulf of Mexico to Cozumel and Cancun, Mexico. The ship leaves from Galveston."

Don Kerr, Jr. (B.S., 1960) is President of Kerr Construction Services in Houston, Texas.

Ralph S. Kerr (M.A., 1976) has an e-mail address of rkerr@shellus.com and writes, "I continue to work for Shell in Houston, Texas, as an organizational development and change consultant. Have spent last year working in the gas businesses."

Kaveh Khorzad (B.S., 1998, M.S., 2000), of Austin, Texas, is a hydrogeologist with MFG, Inc., and tells us, "I have been working at MFG for the past year and am enjoying my work, though I wish I could be an undergrad at UT all over again!" E-mail address is kaveh.khorzad@MFGENU.com.

Howard W. Kiatta (B.S., 1958), an independent geologist in Houston, Texas, is still exploring for oil and gas along the Upper Texas Gulf Coast.

Robert J. Killian (B.S., 1977), a geologist with Alcorn-Texas Properties in Houston, Texas, writes, "Back to generating 3-D based prospects in pressured Frio/Vicksburg trend of Texas Gulf Coast." E-mail address is mavrah@yahoo.com.

Radim Antonin Kolarsky (M.A., 1992) lives in Pearl River, Louisiana, is employed as a chief geophysicist with Watson Energy, has an e-mail address of radim@kolarsky.com, and tells us, "Making it in the independents' world. But if anyone at a major needs a seismic interpreter, my resume is always available. Stop by www.kolarsky.com."

Lis Könnecke (M.S., 1997) states, "Have been working as a field geophysicist for GecoPrakla (now Western Geco) for the past three years. Still live in Austin, Texas, and enjoy the 'five weeks on the job, five weeks off' schedule." E-mail address is lkonnecke@hotmail.com.

Erwin K. Krause (B.S., 1949, M.A., 1954) is retired in Houston, Texas, and says, "Time flies! Oldest granddaughter graduates from UT this year. She was Miss Austin in 1997, Miss Travis County in 2000, and UT POM Squad in 1998. Number two finishes Stephen F. Austin next year, and number three enters Sarah Lawrence this year."

Karen Carter Krogh (M.A., 1985, Ph.D., 1990) says, "Growing with Kenzie and life is good." E-mail address is kkrogh@attglobal.net in Apex, North Carolina.

J. Scott Kuykendall (B.A., 1975) is a project manager with ATEC in San Antonio, Texas.

Laurel Lacher (B.S., 1987), of Pinetop, Arizona, is a supervising hydrologist in Whiteriver, has an e-mail address of llacher@wmonline.com, and says, "Going on year five with the White

Mountain Apache Tribe. This year, I'm taking some leave for a Visiting Fellow position at Colorado University in Boulder in the Cooperative Institute for Research in Environmental Sciences. Hectic but fun!"

George A. Laguros (M.A., 1987), of Katy, Texas, is a geophysicist in Houston, and writes, "Still with Marathon, but moved from Gulf of Mexico exploration to the production side of the business. Michael (11), Daniel (8), and Virginia (ageless, of course) all doing well." E-mail address is galaguros@marathonoil.com.

James L. Lamb, Jr. (B.S., 1956) is an oil and gas producer in Austin, Texas, with an e-mail address of jlambjr@aol.com.

Leon M. Lampert (B.S., 1951, M.A., 1953), an operator-consultant in Dallas, Texas, writes, "I have two grandchildren (girls) in Dallas and two boys in Denver, Colorado. I plan to be in Denver for the convention and hope to see some old friends there. I have offices in Corpus and Dallas in order to work South Texas, New Mexico, and Oklahoma. I skied at Vail and Whistler, British Columbia, this past season."

Bill Layton (B.S., 1981) lives in San Antonio, Texas, is a petroleum geologist, and writes, "Still working the Texas Gulf Coast with Burk Royalty Company. Jessica will be a senior in high school next year, Jordan an eighth grader. K. C. and I are as busy as ever. Enjoyed seeing 660 buddies at NAPE 2001. Hello to Darr, Clinch, Brose, Compton, Ligon, Boomer, Lancaster, Cockerham, Irby, and Lanfere."

Stephen C. Leslie (B.S., 1995) resides in Honolulu, is a research associate with SOEST, Department of Geology and Geophysics, has an e-mail address of sleslie@soest.hawaii.edu, and lets us know, "Doing great in Hawaii. Hope to finish a Master's this summer, then Ph.D.? Hang loose and aloha!"

G. Warren Leve (M.A., 1952) is retired in Jacksonville, Florida, and says, "You can thank my state for getting the

good old boys back into the White House. Good bye, Alaska! Caribou steaks, anyone?"

David Levin (B.A., 1978) is owner of Power Petroleum in San Antonio, Texas, with an e-mail address of adoptez@netxpress.com, and writes us, "3-D, 3-D, 3-D! Interpreting huge volumes of data is keeping me busy for the next few years. Some of you should let a rig loose so I can actually start drilling this up before I get too old!"

Walter S. Light, Jr. (B.S., 1977), of Houston, Texas, is President and exploration geologist with Thunder Exploration, Inc., and writes, "Several 3-D projects under way." E-mail address is wthunderx@aol.com.

Tim Lignoul (B.S., 1982) lives in Los Angeles, California, is a Senior Associate with Van Etten Suzumoto & Becket in Santa Monica, and says, "My legal career in environmental law continues to expand. I am currently outside environmental counsel for Verizon Wireless for the western region and represent several other companies. My geology degree has served me well."

John F. Ligon (B.S., 1981) of Bellaire, Texas, is co-owner of Sandalwood Oil & Gas, Inc., in Houston, Texas, and reports, "I had a late start on the family scene, but I'm catching up quickly. Beth and I now have been blessed with two children. Andrew is 3 and is already collecting rocks, and Emily is one and already growing up too quickly."

Russell M. Lilly (B.S., 1953) is a vending operator in Oklahoma City, Oklahoma.

Tung-Hung Thomas Lin (M.A., 1984), e-mail address of tlin@samson.com, is a Senior Geophysicist with Samson Resources Company in Tulsa, Oklahoma.

Nancy Elizabeth (Green) Lister (B.A., 1955) is a housewife in Houston, Texas. She writes to tell us, "We're busy enjoying our granddaughter Emily. Ray is still working but manages to hunt and fish a lot. We love to travel and go to Colorado every chance we get. Best

wishes to all!" Her e-mail address is listprop@flash.net.

Erwin R. (E. R.) Lochte, Jr. (B.S., 1956), an independent petroleum geologist in San Antonio, Texas, writes, "What a difference a year makes! An abundance of rain at our Hill Country ranch and much higher gas prices. It was about time!"

Allen C. Locklin (B.S., 1954) is a self-employed independent geologist in the oil business and writes, "Nancy (Summers) and I will log 47 years of marriage in August. I have a great family and basically, except for aches and pains, all is well at 71. We are fortunate to have some decent prices for our products. Keep up the good work." He lives in Tyler, Texas.

Laddie Long (B.S., 1952) lives in Midland, Texas, and states, "Have been retired for 15 years now. Traveling curtailed somewhat due to a couple of heart attacks but haven't given in to the rock-ing chair yet. Bueno suerte a todos."

E. W. (Bill) Longmire (B.S., 1950) is retired in Carrollton, Texas, with an e-mail address of blongtx@aol.com, and enjoys golf, books, and computer, in that order.

Howard R. Lowe (B.S., 1948), e-mail address of oxakol@aol.com, lives in Houston, Texas. He writes, "In the process of winding down my company. Made an oil discovery (re-entry) in South Turgay Basin, Kazakhstan. Well made 670 BOPD 47°API, 7mm/hour stabilized rate. Estimate a likely oil field with over 100 million BO reserve. Visit my Web site at www.timewashistory.com." Howard is a former member of the Geology Foundation Advisory Council.

Ernest L. Lundelius, Jr. (B.S., 1950) lives in Austin, Texas, where he is a Professor Emeritus in the Department of Geological Sciences at The University of Texas at Austin. His e-mail address is erniel@mail.utexas.edu. He states that he is, "Enjoying retirement. Busy with several research projects. One

from Australia, two in Texas. Working with Russ Graham (Ph.D., 1976) on an extension of FAUNMAP, a data base of North American Pliocene and Pleistocene mammals."

Pamela E. Luttrell (B.A., 1973, M.A., 1977) is President of Luttrell Oil and Gas Associates, Inc., in Dallas, Texas. She has an e-mail address of peluttrell@aol.com. She says, "Still enjoying my freedom! Lots of travel to India, Peru, and Egypt. Wonderful rocks and exciting culture. Bill has launched a new career in acting. Erin is a senior at Hockaday. All's well here." Ms. Luttrell is a former member of the Geology Foundation Advisory Council.

Vance Lynch (B.S., 1951), of Liberty Hill, Texas, is retired as Vice President of Unocal. He says, "I enjoyed serving on the Geology Foundation Advisory Council for 12 years. I still am active in the Longhorn Foundation activities and am close enough to Austin to attend many sports events." His e-mail address is vancesarah@aol.com.

Michael Maler (B.S., 1986, M.A., 1989) lives in Houston, Texas, is a senior geologist, in Bellaire, Texas, has an e-mail address of mmaler@aol.com, and writes, "Holy Cow! I got married last August, left Shell for Phillips Petroleum in December, and Linda and I just bought a renovated 1900-era house. All of this before our first anniversary together."

Bill Mantinband (B.A., 1959), a cartographer with NIMA in St. Louis, Missouri, says, "Only 42 years' credit with NIMA so far. The fun has just begun. If you like what you're doing, why quit? Smiley and Felknor, where are you?" E-mail address is bill@mantinband.com.

Sabin W. Marshall (B.S., 1952) is retired from Texas Gas Transmission in Houston, Texas, and enjoys trips back to Austin.

Mark W. Martin (B.S., 1984) lives in Somerville, Massachusetts, is a post-doctoral Research Associate with



KEVIN REID (B.S., 1992) (LEFT), KATE HERRELL (B.S., 1997) (CENTER), AND BRAD REID (B.S. 1998) (RIGHT) STANDING IN FRONT OF A GEYSER AND FUMAROLE FIELD AT PARQUE NACIONAL PUYEHUE IN CENTRAL CHILE IN WINTER OF 2000.

PHOTO PROVIDED BY BRAD REID.

Massachusetts Institute of Technology, has an e-mail address of mwm@mit.edu, and writes, "I've been remiss at keeping in touch! Mischa and I spent three great years in Santiago, Chile, while I was a geologist with the Chilean Geological Survey mapping in the high Andes. We've been in Boston for the last four years where I have been working on rates of processes in orogenic belts and the distribution of time in the fossil record at MIT. Mischa is working on a doctoral degree in Education at Harvard. We are the proud parents of a 13-month-old boy, Elias! Life is good!"

James L. Massey (B.S., 1962), e-mail address of jlmconsult@yahoo.com, is retired and a park and conservation consultant in Placitas, New Mexico, and writes, "Sad to hear of Ed Garner's passing. He taught me people learn in many different ways. Doing consulting in public communication and environmental education. Recent work in Thailand and Egypt. Where is T. I. Poe?"

Robert L. McBroom, Jr. (B.A., 1951), resides in Wichita Falls, Texas, is Owner and President of Hueco Glorioso

Oil Company, has an e-mail address of macescoba@aol.com, and states, "Enjoying the present state of the oil industry. Hope it stays this way for a long time. Writing a column called, 'Around the Oil Patch' for our local paper and enjoying doing that. Hello to all."

Cecilia Binig McCann (B.S., 1980, M.A., 1990), a geophysicist with SeisXperts, Inc. in Houston, Texas, has an e-mail address of seisxpert@neosoft.com. She writes, "After ten years with British Petroleum, I opened an exploration consulting office. Workstation based, I am mapping, participating in drilling, and producing. My husband Mike and I have Macey, age 2, Ford, age six months, and Marshall, also six months."

Robert B. McCarty (B.S., 1950), of Lakeway, Texas, is retired from ExxonMobil, has an e-mail address of rockhoundmcca63@hotmail.com, and states, "We will visit Chile and Argentina this year. Still enjoy looking for good gem and mineral specimens, and it's always great to redrill a few old fields with friends from the oil biz."

Bill J. McGrew (B.S., 1954, M.A., 1955) lives in Columbia, Tennessee, where he is retired and has an e-mail address of bmcgrew@charter.net. He lets us know, "I have sold everything in Arkansas and built a house in Tennessee. Too many memories of my wife Joan in our old house. My old dog Jake and I are doing okay."

W. N. (Mac) McKinney, Jr. (B.S., 1960, M.A., 1963), a consultant in geology, lives in Oklahoma City, Oklahoma, with an e-mail address of wmckinney@mmcable.com, and reports, "I finally had a good well hit for me in the Texas Panhandle last July. They are drilling the second well now. Connie and I are planning to move back to Houston, Texas, soon."

Robert J. McLellan (B.S., 1949), retired in Kerrville, Texas, states, "After a cold, wet winter, things are looking up. The golf game is surprisingly good. Barbara and I have a Flying Longhorn trip on schedule. My onions and tomato plants are looking good."

Michael L. McLeod (B.S., 1986), a resident of Concord, is a geologist and writes, "Still making a go of it in California. Glad to hear that the Department is stronger than ever."

Jude McMurry (M.A., 1982), e-mail address of mcmurryj@aecl.ca, lives in Winnipeg, is a Research Scientist with Atomic Energy of Canada, Ltd., Whiteshell Labs, Pinawa, MB, Canada, and writes, "I continue to work as a geochemist in Canada's disposal program for used nuclear fuel. Published an article in *Journal of Petrology* in February 2000 about my research in Brazil, which commenced with Leon Long at UT."

Jerald E. McQueen (B.S., 1961, M.A., 1963) lives in Kingwood, Texas, is a consultant with an e-mail address of jem@kingwoodcable.com and has no changes to report.

A. D. McRae (B.S., 1942) is retired from Mobil Oil, lives in Horseshoe Bay,

Texas, and is still enjoying life in the Texas Hill Country.

Joe N. Meadows (B.A., 1962), of Waco, Texas, is an attorney with an e-mail address of meadowsjoe8@cs.com, and is trying to play golf, scuba dive, and play with grandchildren.

John A. Means (M.A., 1948), retired in Richardson, Texas, writes, "My last gas bill was almost the same as two months of working in my first job in 1947. Just taking it easy."

Charles M. Merrill (B.S., 1956), e-mail address of austinmerrills@hotmail.com, is in Austin, Texas, and is "Still hooked on handball, genealogy, and the good retirement life in far southwest Austin, while keeping up with the geological exploits of brother-in-law, Hank Ford (UT, 1956), and his son (an Aggie) in Ecuador and other Central American locales."

John C. Meyer (B.S., 1941), of Littleton, Colorado, is retired with an e-mail address of jmvmilt@qwest.net.

Anne Smith Miller (B.A., 1983), a project manager with the Texas Natural Resource Conservation Commission in Austin, Texas, states, "The geo-highlight of this past year was touring Inner Space Caverns with my older son's first-grade class."

Larry Miller (B.S., 1979), a geologist in Houston, Texas, has an e-mail address of miller1@ev1.net, and lets us know, "Consulting for Hunt Oil at the present time. Still looking for prospects in the Gulf of Mexico. I got a late start on the family thing. Heather and I are busy raising Barrett (4) and Payton (2). Good luck to all."

Michael Reed Miller (B.S., 1980), an environmental geologist in Austin, Texas, has an e-mail address of mike@citysurvey.com, and informs us, "Still working UST/LPSS cases. I finally closed a ten-year case. Hey to all ex-Geology Department scum."

Wayne D. Miller (M.A., 1957) writes, "Continuing to stay very busy doing

consulting in Midland, Texas, and trying to get a couple of wells drilled. Family doing fine. Look forward to upcoming *Newsletter*."

Bill Monroe (B.S., 1963) resides in Fort Worth, Texas, is Vice President, Geology with Jetta Production Company, and writes, "Fort Worth continues to grow while still recovering from last year's tornado. Oil and gas business is strong even though drilling rigs are hard to find. Go Horns!" E-mail address is bmonroe@jettapc.com.

Charles A. Montero (B.A., 1984, B.S., 1984), e-mail address of c.montero@rsa-env.com, lives in Austin, Texas, and is employed as a senior hydrogeologist with RSA, Inc.

Jule Jacobson Moon (B.A., 1940, M.A., 1941) lives in Fairhope, Alabama, is retired since 1992 from Mental Health Mental Retardation Vernon State Hospital, and writes, "Reverting to the gorgeous environment of my youth and the activities. Also singing, writing, and cooking. Still love and miss Texas. Grateful to UT for a colorful and fulfilling career."

R. McKay Moore (B.S., 1952) is an independent in Shreveport, Louisiana.

Terry L. Moore (B.S., 1980), e-mail address of bmooresky@aol.com, is an exploration geophysicist, lives in Sugar Land, Texas, and writes, "I am temporarily between companies and should be employed by the time the *Newsletter* is published. Family is doing fine."

James P. Moran (B.S., 1975), of Westminster, Colorado, is Senior Vice President of S. M. Stoller Corporation in Boulder. E-mail address is jmoran@stoller.com.

Robert Murphy (B.S., 1982) is Chief Operating Officer with Remington Oil & Gas Company and writes, "All is well in Dallas, Texas. Hello to all from the Murphys, Robert, Heather, Courtney, and Lauren."

Robert Murray (M.A., 1985) resides in Las Vegas, Nevada, has a position with

Booz-Allen & Hamilton, has an e-mail address of murrayr1@earthlink.net, and writes, "Working hard on the regulations and technical evaluation of Yucca Mountain as a potential high-level radioactive waste repository. Dashed through Austin, Texas, in February, man has it grown! It was great to catch up with a couple of old friends while there."

Michael Murry (B.S., 1982) is a chief geologist with Yuma Petroleum located in Houston, Texas, has an e-mail address of mfmfish@aol.com, and says, "I am starting my tenth year with Yuma Petroleum. I am utilizing 3-D to generate exploration projects in southeast Louisiana."

Pat Murta (B.A., 1941) is now retired in Tulsa, Oklahoma, and tells us, "I went back to work as a Wal-Mart greeter in 1999. Still working 20 hours a week. Made a national Wal-Mart commercial in December 1999. Ironic that after a career as a geologist, I will be remembered as the Wal-Mart greeter."

Jerry Namy (Ph.D., 1969), of Fort Worth, Texas, is President and Chief Executive Officer of Texland Petroleum, has an e-mail address of jnamy@texpetro.com, and states, "Elected President and CEO of Texland three years ago. Enjoy generating oil and gas prospects with 3-D seismic. Bought a microscope two years ago and enjoy looking at thin sections from sidewall cores. This has helped us find oil several times. Best regards to classmates."

G. Allan Nelson (B.S., 1947) lives in Denver, Colorado, is a consultant, and writes, "In October, the famous 1947 class had their fifth and probably final reunion in Corpus Christi, Texas. A small hardy group showed up to brave the cold, wind, rain, and the demise of Texas football, thanks to OU."

Ken Nemeth (M.A., 1976), a Senior Geoscientist with Schlumberger Reservoir in Houston, Texas, writes, "Schlumberger is bringing all its diverse entities under a common umbrella. Reservoir includes reservoir management, client services,

software support, and development. We want to be the e-commerce service provider for the industry. Still growing old gracefully." E-mail address is knemeth@houston.geoquest.slb.com.

David Noe (M.A., 1984), e-mail address of dave.noe@state.co.us, is Chief of Engineering Geology with the Colorado Geological Survey in Denver and writes, "Would you believe I'm working surely and swiftly toward completing my Ph.D. in Geological Engineering at Colorado School of Mines? Okay, how about lurching and gasping? Still enjoying full-time work and part-time schooling."

Isaac W. Norman (B.S., 1948) is retired in Taylor, Texas.

George E. Nowotny, Jr. (B.S., 1955), retired in Indian Wells, California, with an e-mail address of foxholewst@aol.com, writes, "Moved to sunny southern California desert a year ago to play golf and keep an eye on the San Andreas fault. So far, both are doing well, actually the fault is doing better. Have two grandsons in La Canada, California, (Los Angeles area)."

Bob O'Brien (B.S., 1952, M.A., 1956), e-mail address of bobrien@mail.sdsu.edu, is Professor Emeritus and writes, "First year of full retirement, and I'm still teaching. Just can't stay away I guess. Went to Macchu Picchu, the Amazon, and Galapagos this past fall."

John F. O'Donohoe (B.S., 1950) is President and Chief Executive Officer of Coastline Exploration, Inc., in Houston, Texas.

A.M. (Red) Olander (B.S., 1948) is an Exxon annuitant with an e-mail address of amredo@aol.com and writes, "Still enjoying retirement in Austin, Texas. I'll be selling my cattle this year but will still be involved in the Presbyterian Church as Moderator-elect of the Synod of the Sun (Texas, Oklahoma, Arkansas, and Louisiana)."

Donald Eugene Owen (M.A., 1951) is Professor Emeritus of Geology, has an

e-mail address of madowen@aol.com, and lives in Terre Haute, Indiana.

Jack M. Park (B.S., 1950) is retired in Lindale, Texas, and says there is no news.

Robert Timothy (Tim) Parks (B.S., 1988), a geologist in Houston, Texas, writes, "Everyone is great. Meg is 7 and Steele is 5." E-mail address is tparks@contouenergy.com.

Matthew J. Parsley (M.A., 1988), of Midland, Texas, is President of Parsley Resources, Inc., and has an e-mail address of mparsley@geospectrum.com.

J. F. Patterson (B.S., 1952) lives in Bellaire, Texas.

Elliott Pew (M.A., 1982), a Conroe, Texas, resident who has a job as Vice President for Exploration with Newfield Exploration in Houston, Texas, writes, "Oldest goes off to college next year. Alas, he's heading for computers, not geology. There's some hope yet for another geologist as my daughter has three years till she graduates from high school. Seeing quite a few alumni around town, look me up."

Loren Phillips (B.S., 1982), of Bel Air, Maryland, is a geologist with U.S. Army Center for Health Promotion and Preventive Medicine, with an e-mail address of loren.phillips@apg.amedd.army.mil, writes, "Still working for the Army in the environmental field. Biggest challenge is investigating artillery impact areas for environmental contamination. Would very much like to see discussion in the *Newsletter* about the creationism-evolution debate."

George Pichel (B.S., 1951) lives in Dana Point, California. He writes, "Made it to the American Association of Petroleum Geologists meeting in New Orleans, Louisiana. Will miss Denver, Colorado. Rented an apartment for two months in Rio de Janeiro. Still doing some sailing."

William R. (Bob) Pickens (B.S., 1957, M.A., 1959), retired in Columbus, Texas, writes, "New career working as a volunteer for County Judge on regional water

plans and local ground water district formation. Mary continues her research as a horticultural historian. Life is good!" E-mail address is gravel@wcnet.net.

James N. Piper (B.A., 1988, M.A., 1997) has a position as Research Scientist with Applied Research Labs in Austin, lives in Buchanan Dam, Texas, has an e-mail address of piper@arlut.utexas.edu, and reports, "Once again, a very busy year. Some highlights are working with Shell Oil and Sonsub on a deep water pipeline repair system, and developing a next-generation hand-held sonar for the Navy's E.O.D. and S.E.A.L. communities."

Gerald S. Pitts (B.S., 1954) is retired in Midland, Texas, and states, "Have purchased reserves recently! Majors continue to abandon West Texas, leaving more opportunities for independents!"

Phillip Pitzer (B.S., 1954), of Breckenridge, Texas, is an oil operator with an e-mail address of philpit@starband.net, and writes, "Still looking for oil. Still trying to learn how to golf. Still trying to find time to golf."

Tom Poe (B.S., 1962) writes, "I have strayed away from geology after working for Baroid and NL Shaffer for 10 years in Houston, Texas. I moved to Colorado Springs, Colorado, after the 1982 oil bust. I have five kids, five grandkids, and two exes. I taught mineralogy and petrology here at UC-Colorado Springs part time for about nine years before travel got in the way. Presently, I work for ITT—Advanced Engineering & Sciences, Lethality Group, as an Associate Engineer (that means no engineering degree). We are involved in the lethality testing of TMD and NMD interceptors in flight tests, both at White Sands Missile Range and Kwajalein Missile Range in the Marshall Islands. You carbonate people would love all that coral out there. I did get to stop by and see Kilauea on the way back from Kwaj last time. Boy, that's a lot of FRESH rock! Would like to hear from old friends. My e-mail is tom.poe@itt.com. Also looking for

information on Jim Massey and Alan Peyton, if anyone has heard from them."

Nick B. Pollard (B.S., 1984) works as a geologist with C. W. Resources, Inc., in Longview, Texas, lives in Tyler, and writes, "Still looking for oil and gas in East Texas. I attended my first UT versus A&M game this past Thanksgiving with family in tow. What a great game to attend! Planning to drill Haynesville and salt dome wildcats this year. I would rather be lucky than good." E-mail address is nick@cwresources.com.

John M. Pope (B.S., 1986), a Senior Account Executive in Houston, Texas, has an e-mail address of jpope@travelers.com and states, "I am continuing my career in the insurance industry and raising future Longhorns. I hope to be in our new house in Richmond sometime next year. Burgess, where in Tyler have you landed?"

Robert B. (Bob) Porter (M.A., 1951) is a semi-retired geologist in Midland, Texas, and lets us know, "Old health problems mostly under control (thankfully) and now have some new ones, but not suffering from monotony. Polly and I visited Hawaii last year and had a blast. We'll be in Ruidoso this summer and in Austin (hook 'em time) this fall. Kids and grandkids and a new great-grandson due this summer (Turk's and Amanda's) are all doing great. Come see us or drop us a line. Semper Fi."

John Proctor (B.A., 1950), retired in New Braunfels, Texas, says, "Last September, we visited southern England. We saw Buckingham Palace plus two huge cathedrals. The highlight, I believe, was our trip across Dartmoor. Dartmoor is really a desolate place. The wild moor ponies were the only living things on the moor."

August Leo Pugh, Jr. (B.S., 1952) is retired in Galena Park, Texas. Leo reports in from Houston saying he is enjoying retirement and grandchildren, is still in the flea market business with his wife, and sends regards to all his old friends.

Stan Pyndus (B.S., 1950) is retired, doing investments, playing golf, doing community work, traveling, and enjoying life.

Sherri Randal (B.S., 1999), e-mail address of skr2032@exchange.uta.edu, writes, "After completing an internship with the Brazos River Authority following graduation, I decided to attend graduate school at The University of Texas at Arlington. My thesis will involve using GIS tools to solve geologic problems."

Clyde M. Rascoe (B.S., 1949), of San Angelo, Texas, is President of Merit Oil Company and says, "Semi-retired. Not doing much in the oil business. Still remodeling my old house."

Carla Everett Reed (B.A., 1989) resides in Houston, Texas.

Jeff Reid (M.A., 1973) works for the North Carolina Geological Survey in Raleigh. E-mail address is rksrus@aol.com.

James V. (Jim) Richards (B.S., 1956) lives in Houston, Texas, has an e-mail address of jr1934@aol.com, and reports, "Still working as a consultant and independent geologist. Enjoying the rise in oil and gas prices. Wrote an essay about how 3-D seismic has made life difficult for the independent geologist."

Harold G. (Gene) Richardson (B.S., 1958), whose residence is in San Antonio, Texas, has an e-mail address of generich7@worldnet.att.net, and states, "Enjoying retirement and the great outdoors. Just spent four days exploring the Black Gap Wildlife Management Area adjacent to Big Bend Park. Simply awesome!"

Wade C. Ridley (B.S., 1953, M.A., 1955), an independent, writes, "Still at it in Tyler, Texas. My contemporaries can find me at the Legends Room on football Saturdays." E-mail address is 73065.10@compuserve.com.

Barrett (Barry) Riess (B.S., 1986) is a regional sales manager in Grapeland, Texas. He has an e-mail address of briessevulcraft-tx.com. He lets us know,



(LEFT TO RIGHT) JOHN B. WARE, JOHN R. STINSON, ROBERT L. CANNON, ARTHUR H. DEAN, JOHN N. LYNCH, J. M. DAWSON, E. L. REYNOLDS, AND L. T. BARROW AT SUMMER CAMP IN 1920, EAST SIDE OF HUECO MOUNTAINS, AT CATTLE-WATERING TANK.

PHOTO PROVIDED BY KEN BARROW.

"I'm still with NUCOR Corporation selling and project managing steel. I sold the steel for the new NFL stadium in Houston. I'm also still running cattle in the Trinity River bottom, catching live wild hogs, and trying to keep wife and two kids under control."

Edwin C. Robinson (B.S., 1950), e-mail address of ecrob780@cs.com, is retired in Carlsbad, California, and writes, "Golf and genealogy keep me going. My six children now have a total of 12 children with more to come. My first great-grandchild shouldn't be too far in the future."

Ron S. Robinson (B.S., 1958), of El Dorado, Arkansas, is owner of Robinson Real Estate. Net, has an e-mail address of ron@robinsonrealestate.net, and says, "The thought of retiring crossed my mind in 2000. Sold my 27-year-old company. Retirement lasted 30 days. Started new real estate firm in October 2000. Doing new and different marketing in an old profession. Still in contact with UT classmates in Texas and New Mexico."

Lowell T. Rogers (B.S., 1956, M.A., 1960) is retired, boating, fishing, traveling, and playing with grandchildren in Austin, Texas.

Willie J. Roper (B.S., 1948) is retired in Kingman, Arizona, and, "Still alive and kicking, but not too high," he reports.

Lucy O. Ross (B.S., 1950) is President of Delta Royalty Co., Inc., and LMA Royalties, Ltd., in Colorado Springs, Colorado.

Rollins M. Roth (B.S., 1958) is with Delta Oil and Gas, Inc. in Breckenridge, Texas, and writes, "Keeping busy on completions and workovers. Picking up Permian fossils on well sites during spare time."

Philip Rowell (Ph.D., 1993) is a senior geophysicist in Houston, Texas, with an e-mail address of prowell@marathonoil.com, and writes, "Narrowly avoided recent downsizing at Marathon. Have a new job evaluating exploration opportunities in West Africa."

Mary (Dalton) Ruckman (B.A., 1936, M.A., 1938) reports, "I enjoy getting the *Newsletter* but recognize fewer and fewer names. Our ranks are dwindling. I've been a widow since 1986. I have two sons and five grandchildren, four boys and one girl. One son lives in Karnes City, Texas, the other in California. Both are UT grads. I play a lot of bridge. I have taken lots of wonderful trips. Hello to my old friends." She is a housewife and lives in Karnes City.

Jimmie Norton Russell (B.S., 1952, M.A., 1954), an Educational Assistant III for Special Ed in the Round Rock Independent School District, lives in Austin, Texas, and tells us, "I am in my

fourth year teaching various subjects to emotionally disturbed middle and high school students. Also, I am assisting my fraternity, Theta Chi, celebrate their 50th anniversary."

Philip Sampler (B.S., 1951) writes from Richardson, Texas, "Good Grief!! What can one say when one is retired? Well anyway, there don't seem to be enough hours in the day to get everything done that you want to do. I'm about ready to get back to work so I can slow down a little. Hi to all the Grads of 1951."

Jack S. Sanders (B.S., 1957), of Dallas, Texas, is retired, and writes, "Still enjoying traveling, however, becoming anti surface-development. In the world of over-population, we Americans are in a privileged time and place."

James W. Sansom, Jr. (B.S., 1963) is a consulting geologist in Liberty Hill, Texas. He writes, "I recently moved to new country home near Liberty Hill. I am continuing to enjoy consulting in the Central Texas area and associating with fellow geologists at Austin Geological Society." His e-mail address is jwsansom@mindspring.com.

G. W. Schneider, Jr. (B.S., 1958) resides in Madisonville, Louisiana, is retired, and tells us, "Enjoying life on the 'north shore' of Lake Pontchartrain."

Tom Schneider (B.S., 1950, M.A., 1951), e-mail address of topat@apex2000.net, is an independent geologist and oil operator in Midland, Texas, and still playing tennis and active in oil.

Frederick E. Schultz (B.S., 1947) is retired in Ojai, California, and still enjoying life.

Rubin A. Schultz, Jr. (B.S., 1961), has a position with Texas Department of Transportation and states, "Last December, I was promoted to District Maintenance Manager for Corpus Christi District, so I guess I'll keep on working. Family is okay. Daughter and grandkids are moving from Corpus Christi to Houston area. We

are already planning visits. Looks like I'll be on the road."

Christy Schweikhardt (B.S., 1983), an attorney in Houston, Texas, with Fulbright & Jaworski LLP, writes to tell us, "I'm still defending doctors and hospitals and other health care clients. I would enjoy hearing from the 1983 Geo 660 bunch." E-mail address is cosmotx@aol.com.

Eugene Patrick Scott (B.S., 1957) is still a consulting petroleum geologist in Corpus Christi, Texas.

Kenneth O. Seewald (Attended 1961) is President of National Fuel Corporation, and writes to tell us, "Mary and I continue to enjoy Denver, Colorado. We're looking forward to seeing many of you at the national AAPG convention here in June."

Holmes A. Semken (B.A., 1958, M.A., 1958) is Professor Emeritus at the Department of Geoscience at the University of Iowa in Iowa City, Iowa, has an e-mail address of holmes-semken@uiowa.edu, and he informs us, "Although officially retired, I still enjoy working with my graduate students and Pleistocene vertebrates. Freedom from academic schedules permitted Elaine and me to visit Easter Island and Tierra del Fuego last October."

Dennis Scott Settemeyer (B.S., 2000) is a resident of San Antonio, Texas, where he has an e-mail address of scott.settemeyer@alumni.utexas.net, is employed as a geologist with Texas Natural Resource Conservation Commission in Austin, and lets us know, "Life has been great since graduation! Didn't realize how much free time I used to have until I entered the 'real world.' But I enjoy my new job working in the Municipal Solid Waste Section of the TNRCC. Sure I won't be getting rich anytime soon, but it gives me a chance to learn a whole lot more and become a better geologist. Remember, 'Hook 'Em Forever!!' Y'all have fun out there."

William W. (Bill) Sharp (B.S., 1950), an investor in Dallas, Texas, writes, "Donated more than 225 photos of oil

exploration in Venezuela from the 1950's, which included views of Andean geology, Paria Peninsula, and Motilone Indian Country geology to the UT Benson Latin American Library, which is named for a relative. Donated a complete bow and arrow set from the Goajira Peninsula of Venezuela and Colombia to the Texas Memorial Museum. Also, donated two rare publications of the Venezuelan oil industry to the Benson Latin American Library, *de los Pioneros a la Empresa Nacional*, 1921-1975 and *Lagoven Memoria Ejecutiva*, 1976-87. These were collected while working for Creole Petroleum Corporation (Exxon), a highly successful company. Brought back a lot of fond memories."

Stephen L. Shaw (B.S., 1971, M.A., 1974) is a Senior Geological Advisor with Burlington Resources in Midland, Texas. He has an e-mail address of sshaw@br-inc.com. He informs us, "Nancy and I enjoy traveling to Dallas and southern California to visit our adult kids and one very special granddaughter. Most proud moment last year was being elected to serve on the Geology Foundation Advisory Council."

F. Carleton Sheffield (B.S., 1963) is retired in Magnolia, Texas, and writes, "Moved out of The Woodlands to a country home with more room for my toys (boat, R. V.). Still traveling a lot in our motor home. Play golf and fish wherever I can throughout this great country of ours."

Steve Shelburne (B.S., 1985) is a residential foundation claims supervisor, has an e-mail address of steve_shelburne@hotmail.com, and states, "Traveled to Alaska last fall and Rosemary and I were married in Cordova. Still busy in Austin, Texas, and racing bicycles in the Texas Mountain Bike Champion Series."

William K. Sheldon (B.A., 1948) writes, "Still in San Antonio, Texas, no change in wife or children. I'll be 76 in March. Being retired is not as much fun as it should be. Raising a 14-year-old grandson and a 91-year-old mother-in-law."

William T. (Bill) Sherman (B.S., 1951) is President of Fairdawn Enterprises, Inc., in Houston, Texas, has an e-mail address of bills@sentryti.com, and writes, "Still working. Got deals from South Texas to South Australia. Best deal is 15 grandchildren in Austin and Houston."

Elgean C. Shield (B.S., 1953) is President of Shield Development Corporation in Coldspring, Texas, and tells us, "Enjoying living on Lake Livingston north of Houston. Working on various consulting projects on Gulf Coast and West Texas. I believe that the oil business still has room to grow." E-mail address is ecshield@aol.com.

Mark S. Shield (B.S., 1988), a resident of Houston, Texas, employed as a Senior System Analyst with Landmark Graphics in Austin writes, "Working on my 11th year with Landmark. My current responsibility is Test Lead for our new Paradigm B to T Applications (Decision Space). The few hours left are divided between my daughter's horse eventing and my son's Little League and scouting activities." E-mail address is mshield@lgc.com.

David Shomette (B.S., 1982) is a Senior Geologist with Hall-Houston Oil Company in Houston, Texas. E-mail address is dshomette@hhoc.com.

Bren Sidereas (B.S., 1973), a staff geologist with Coho Energy in Dallas, Texas, resides in Rockwall. He reports, "Still drilling directional wells for Coho under the town of Laurel, Mississippi, and now water flooding some Tuscaloosa sands at Brookhaven, Mississippi, that weren't swept completely the first time around in the 1970's. My years spent in exploitation are now catching up to the ones I spent in exploration. I guess that happens when you never leave onshore Gulf Coast. I have become quite proficient at finding the smaller quantities of oil in plays that range somewhere between very mature and graveyard, utilizing rigs that fit the very same description.

Smart wife and almost smart kids are doing fine. Tried to write them off as

depreciation but wasn't allowed. Writing off last year's taxes as a bad investment and health club dues as a total loss wasn't either. Still love getting back to Austin to see the Horns play. Anyone got extra tickets?"

Samuel J. Sims (M.A., 1957), of Bethlehem, Pennsylvania, writes, "For those few remaining people still interested, I am continuing to be well-occupied doing consulting work for the local commercial and chemical stone industry and am getting closer to actually retiring." E-mail address is s768@aol.com.

R. Sam Singer (B.S., 1961), a senior petroleum engineer with Sproule Associates, Inc., in Houston, Texas, states, "Still active as a consultant, the higher prices are great. There seems to be a new play every year. The domestic business is not dead."

Coyle E. Singletary (B.S., 1948, M.S., 1952) is retired and has an e-mail address of coyle25@prodigy.net in Midland, Texas.

William P. Slater (B.A., 1950) lives in Canyon Lake, Texas, is an independent there, and writes, "Trying to figure out how to retire when I still have great exploration prospects, and oil is \$25 to \$30. I cannot seem to still the curiosity either."

Tommy T. Smiley (B.S., 1951) is retired in San Antonio, Texas, and says, "Received my 50-year-reunion notice the other day. Wow!! Hope to see some of you at the party."

Brian A. Smith (Ph.D., 1986) is an Assessment Program Manager and states, "I moved back to Austin in February 2001 to work with the Barton Springs/Edwards Aquifer Conservation District. Much of my work here involves karst, caves, carbonates, and ground-water availability. Since my graduation in 1986, my work has taken me to Utah, Tennessee, Puerto Rico, New Mexico, Pennsylvania, and now back to Texas." E-mail address is brians@bseacd.org.

Charles D. Smith (B.S., 1978), a Senior Geologist with Duke Engineering & Services, lives in Austin, Texas, and has an e-mail address of cdsmith@dukeengineering.com.

Charles E. Smith (B.S., 1954) is self-employed as owner and co-producer of Triumph Pictures in Dallas, Texas, and tells us, "Producing a motion picture in Hollywood called 'Warsaw', the Legion, about a one-month uprising of the Jews in the ghetto in April 1943 and working on several Hollywood motion picture scripts."

Daniel L. Smith (B.S., 1958), of Houston, Texas, e-mail address of dan@vc3.net, is an independent consultant and tells us, "I am in the process of starting a new exploration venture but am not ready to announce it yet. I continue to be active in professional organizations, especially AAPG, SIPES, and the Houston Geological Society."

Gary E. Smith (M.A., 1974), of Fountain Hills, Arizona, is an insurance agent in Phoenix and has an e-mail address of aquahills@aol.com.

Harry L. Smith (B.S., 1951, M.A., 1956), e-mail address of yrrah@gvvc.com, is retired and writes from Boerne, Texas, "Not much to report. I do regret not being in the oil business, considering the present price of oil and gas."

J. T. Smith (B.S., 1950, M.A., 1956) is retired from Sun Oil Company, lives in Fredericksburg, Texas, and writes, "After 13 years, I am still enjoying retirement here in the Texas Hill Country, and with the help of a heart defibrillator I am in good health."

Michael A. Smith (Ph.D., 1975) lives in Kenner, Louisiana, is a Regional Operations Geologist for Minerals Management Service in New Orleans, has an e-mail address of michael.smith@mms.gov, and reports, "I continue to provide the geological reviews and approvals for all plans and drilling permits in the deepwater Gulf of Mexico for MMS. Last year, I gave papers on dual gradient drilling and other ultra-deepwater technology at a

meeting of drilling engineers in Houston, Texas, and at the Deep Offshore Technology Conference in New Orleans. I got to do a different type of fieldwork in August on a gas hydrate research cruise where we made two dives a day with the Johnson Sea Link submersible. Next month I'm participating in a deep-water geohazards workshop where I also represent MMS on the organizing committee.

Nancy is doing well and giving art classes for kids several days a week. Our daughter, Christine, transferred from UT to Tulane for her senior year, and we're enjoying spending more time with her. The whole family enjoyed a trip to England, Scotland, and Wales after the AAPG Conference in Birmingham, Alabama."

Paul K. Smith (B.S., 1984) is a fitness and yoga instructor with Lake Austin Spa Resort in Austin, Texas. E-mail address is bluegeckoyoga@cs.com.

Traci Trauba Smith (B.S., 1985), an office administrator with Birdsong Real Estate, lives in Lake Jackson, Texas. E-mail address is trackeye@swbell.net.

Brian Smyth (B.S., 1976) is a partner in Northwind Exploration and writes from Houston, Texas, "What a great profession! Twenty-five years after graduation and still among the youngest of my colleagues."

Frederick C. Smyth (B.S., 1947) lives in Dallas, Texas, and is retired.

Deana Sneyd (B.S., 1984) is a Senior Geologist with Golder Associates, Inc. in Atlanta, Georgia, lives in Douglasville, has an e-mail address of dsneyd@golder.com, and states, "Still getting to 'do geology' on some interesting projects. Always looking for grads with strong field skills, please e-mail me if interested."

Bill St. John (B.S., 1958, M.A., 1960, Ph.D., 1965) writes from Vanderpool, Texas, "Resigned from Vanco Energy at the end of January to return to the Hill Country and the consulting business. Recent trips to Azerbaijan and

Madagascar proved interesting." E-mail address is stjohndbill@cs.com.

Theodore E. Stanzel (B.S., 1956) is President of Victor Stanzel Company and Stanzel Family Foundation and lets us know, "Manufacturing airplane toys for children at the toy factory. Come see the beautiful model aircraft museum in Schulenburg, Texas, in the Foundation building."

Jean (Stinson) Stark (B.S., 1940) lives in College Station, Texas, and is retired.

Frederick L. Stead (M.A., 1950), a consulting geologist (part time) in Addison, Texas, says, "Enjoying the current boom in natural gas prices. Betty and I are in fair health and enjoying our semi-retirement. Thank Heaven Mack Brown signed Cedric Benson! Go Horns!"

Burgess Stengl (B.S., 1985) writes, "I resigned from the Texas Natural Resource Conservation Commission on December 31, 2000, and now work in Tyler, Texas! The company is Schaumburg & Polk, Inc. I am living in Tyler, and my wife and kids are in Austin until school is out. The one drawback is many weekend trips to Austin. Angela is still teaching, and Susan is finishing eighth grade. Shara is at UT Austin, and Kyle is now 2 ½."

Jim Stimac (M.A., 1983) is a Geoscience Coordinator, with an e-mail address of jstimac@unocal.com, and writes, "Still living in the Philippines and working on geothermal energy production. It was an exciting year with insurgencies, kidnappings, impeachment hearings, and bombings in the headlines. We're really enjoying our son, Cam, now 2 ½, and traveling when we get a chance. Visitors welcome!"

William T. Stokes (B.S., 1950) is a consultant in Dallas, Texas. He writes, "Fifi and I are enjoying our two granddaughters who live with our geology son Bradley in Corpus Christi, Texas. Jack Thames and I are busy on a drilling prospect that is very attractive. This coming year should be very interesting

for exploration." Bill is a member of the Geology Foundation Advisory Council.

Winston L. (Skip) Stokes (B.S., 1957) writes from The Woodlands, Texas, "Fully retired now. Enjoying travel to Paris, Rome, and Athens. Next trip to England in April. Kathryn and I have five wonderful grandkids with ages from 1 through 12."

John L. Stripling (B.A., 1940) is retired and says, "Marjorie and I are still enjoying the 'good life' in Fort Worth, Texas. We have done a good bit of traveling since the UT days and the U.S. Army days, and, in general, all the fine things that UT Geology has given us. Still think of the tower and the old Geology Building versus the new UT. Thanks for everything."

Hal S. Stubblefield (B.S., 1954), e-mail address halstubb@pdq.net, is retired in Kingwood, Texas, and states, "Just attended my high school class 50th reunion. We need to plan a 50th for the geology class of 1953 and 1954."

Paul D. Suddath (B.S., 1976) is an independent geologist in Abilene, Texas.

Christopher Swezey (M.A., 1991, Ph.D., 1997), a geologist in Reston, Virginia, has an e-mail address of cswezey@usgs.gov and reports, "This past year I quit my job in Houston, Texas, with BP Amoco, and I moved to Virginia to work with the U.S. Geological Survey."

Patrick Talamas (B.S., 1981) is Vice President for Exploration with Ameritex Minerals and reports from San Antonio, Texas, "Living in the Hill Country and exploring for oil and gas at these prices are not too bad. My wife Karen and I have three great boys." His e-mail address is patrickt@amrtx.com.

Cynthia G. Talbot (B.S., 1976) lives in San Antonio, Texas, and is employed with Clear Channel Communications.

Dick Teel (B.S., 1941), e-mail address of dick.teel@ihsenergy.com, is a resident of Houston, Texas, and reports

from there, "Still working as a consultant with IHS Energy. Had a very successful photo and hunting safari in Tanzania last November. Will hunt in South Africa this July."

C. B. (Tim) Thames, Jr. (B.S., 1954, M.A., 1957), retired in Buchanan Dam, Texas, tells us, "Being retired and living on the southwest end of Lake Buchanan is pretty good. Now that we have some water in the lake, the fishing may improve." E-mail address is cbthames@tstar.com.

Karen (Bergeron) Thompson (B.S., 1992) is self-employed as a conference planner and is a stay-at-home mom. Her e-mail address is mtntrio@earthlink.net. She lives in Helena, Montana.

T. J. Thompson (B.S., 1957), owner of Toro Exploration Company in Rockwall, Texas, reports from there, "Thanks for sending the *Newsletter*. We love the latest boom. Burn more natural gas!! Keep up the good work!!"

Everette Travis (M.A., 1951) is retired in Buchanan Dam, Texas, and writes, "It has been a good year for WHITES on Lake Buchanan. Will take up golf again 'when I get caught up.' Often see the stops we made in Llano County and think fondly of the many field trips to here and the pie at the Bluebonnet Cafe in Marble Falls."

Lloyd R. Travis, Jr. (B.A., 1948) is doing consulting and is, "Semi-retired in Houston, Texas, but still working the Texas Gulf Coast geology utilizing 3-D seismic data. Enjoy getting the *Newsletter* each year."

Robert F. Travis (B.A., 1957), who is retired in Corpus Christi, Texas, and has an e-mail address of bobpegray@aol.com, states, "I have taken up painting. I enjoy it a great deal, but I am truly grateful that I don't have to do it for a living. I would starve to death."

Arthur J. (Art) Tschoepe (B.S., 1951), an independent geologist and oil operator in Leakey, Texas, writes, "Working and enjoying my wonderful family."

James J. (Jeff) Tucker (B.S., 1948) is retired in Jackson, Mississippi.

John D. Tuohy (B.S., 1939), who is living in Canyon Lake, Texas, and is retired there says, "Still living happily in the Hill Country. Kids still scattered from North Africa to Arizona and doing well. Got involved in the 2000 elections on the local and national levels. We won on all fronts, most gratifying."

Neil L. Turner (Ph.D., 1970) is doing consulting work in Fulshear, Texas, and tells us, "Continuing my work on carbonate fields and exploration. We plan to spend a few weeks in China this fall."

Charles B. Upton (B.A., 1957), an instructor with Hallmark Institute of Technology in San Antonio, Texas, says, "I am sort of retired but enjoy teaching adults at Hallmark part time. I like to think of myself as Hallmark's version of Mr. Spock." E-mail address is charles@uptons.net.

Don Urbanec (B.S., 1960), e-mail address of donurbanec@earthlink.net, is a resident of Boerne, Texas, a consulting petroleum geologist in San Antonio, and reports, "The recent flurry of drilling activity is my third boom since I graduated from UT. Hopefully, it will last for a few years. I've dusted off my old drilling prospects in anticipation of a good run."

Jean-Paul Van Gestel (Ph.D., 2000) has an e-mail address of vangesjp@bp.com and writes, "I am currently working as an interpretation geophysicist with BP in Houston, Texas. For more information, please check www.vangestel.com."

Van N. Veenstra (B.S., 1974) is an operations geology resources manager. He tells us, "Still surviving: one year post merger of Mobil and Exxon, two teenagers living at home, 11 years in Houston, Texas, 26 years married to the same wonderful woman, and another roller-coaster ride of oil and gas prices."

Harry A. Vest (M.A., 1959), a retiree from Conoco, resides in Houston, Texas, and reports from there, "Nothing

new here other than we are free to travel since Zoe's mother passed away and our Yorkie died. Been to Branson, Missouri, and Australia and plan to attend AAPG in Denver. Hope to see some of you old friends there!" E-mail address is harryvest@aol.com.

R. B. Vickers (B.S., 1947), of Abilene, Texas, is retired there. He says, "My wife and I are still trying to keep up with the changing world, meanwhile trying to stay healthy." His e-mail address is unicorn@bitstreet.com.

Martin James Wachel, Jr. (B.S., 1956), e-mail address of squatty@imagineit.net, reports from Laird Hill, Texas, "Enjoying retirement! Staying busy with school board activities. Am Vice President of Everett's Chapel Independent School District."

A. H. (Al) Wadsworth (B.S., 1941, M.A., 1941), e-mail address of AHW@evl.net, an independent geologist in Houston, Texas, writes, "This year marks my 60th as a professional geologist. I have not retired because I might miss something. What could I do that I would enjoy more? Would love to hear from some other old timers."

Tommy Waggoner (B.A., 1957) is retired in Spicewood, Texas, and writes, "Higher oil prices sure help our income and make us look smart. Sure spent a number of years being 'dumb.' It's our turn. Love living in the Hill Country. We enjoy the *Newsletter*."

Frank (Trey) Wagner (B.S., 1996) is working on a Ph.D. at the University of Arizona in Tucson. His e-mail address is fwagner@cos.arizona.edu.

Hershel Walker (B.S., 1950) resides in Corpus Christi, Texas, and tells us, "Will travel to Austin on May 18 to attend graduation ceremony of my granddaughter (third generation tea sip). Still enjoying retirement and the *Newsletter*. Thanks a lot."

Joe Dudgeon Walker, Jr. (B.S., 1951, M.A., 1951) is retired in Houston, Texas.

He states, "The past year really went by fast. Basically, things are the same as last year. Still staying as active as possible outdoors. Still ten grandchildren, three children, and wife Shirley. Trying to record as much 'history' as possible to hand down to the family. Geology is now too high tech. I much preferred the 'old log trench-fighting' and stratigraphy. Keep up the great *Newsletter*."

David A. Wallace (B.S., 1986) has an e-mail address of dawalace@yahoo.com. He is a senior consultant with KPMG Consulting, Inc. in Denver. He lets us know, "2000 was quite eventful! Became engaged, bought a house in Denver, sold a house in Texas, took a severance package, got married, and went on a honeymoon in Spain! 2001 is already following in footsteps of 2000. Currently working as a telecom consultant in Denver and really enjoying the work and the surrounding environs. To wake up and have to decide to go skiing or mountain biking or both is heaven! Happily married to the former Marcy M. Moyer, who also is enjoying Denver, where she is a school psychologist."

Fred B. Wallis (B.S., 1941), of Rosenberg, Texas, is a retired geophysicist from Texaco and busy doing whatever comes to mind.

Bernie Ward (B.A., 1955), a geologist in Tyler, Texas, states, "We took a UT-group trip last fall, D Day to the Rhine, and took a similar trip year before to Holland known as Market Garden, a.k.a. 'A Bridge Too Far.' Both trips were very informative, fun, and smoothly run by 'Gruppenleiter,' Tom Hatfield, UT History Department."

Dan L. Ward (B.A., 1949, M.A., 1950) lives in Grand Junction, Colorado, and is retired.

Ralph H. Warner (M.A., 1961), of Kingwood, Texas, is retired there, and reports, "Survived the millennium change. Now we have to be on the lookout for global warming. If it ain't something, it's something!"

Karl Warning (B.S., 1971, M.A., 1977) lives in Lucas, Texas, is a Lead Scientific Records Analyst with Pioneer Natural Resources, USA, in Irving, and reports, "Added Tom Connally back to our Annual Mid-1970's Grad School Reunion Football Game and Crick Stanton Party. We invite more participants. E-mail me at warningk@pioneernc.com. Come to the Party even if you hate football!"

Greg Warren (B.S., 1989), a geologist in Boise with CH2M Hill, states, "I've been living and working in Idaho for six years or so. Outstanding geology here, and the fly fishing and skiing aren't bad either. If anyone is in the neighborhood, look me up!" E-mail address is gwarren@ch2m.com.

Bill D. Watson (B.S., 1958), e-mail address of dewalt@ev1.net, lives in Sugar Land, Texas, and states, "Still enjoying retirement, golf, and grandchildren."

John Allen Watson (B.S., 1956) lives in Austin, Texas, is on the volunteer staff of Creation Evidence Museum in Glen Rose, serving principally as geologist and hydrologist and an excavator of fossil bones and a supporter of Mt. Blanco Fossil Museum, who says, "I am recently diagnosed as having Parkinson's Disease. Perhaps the Lord wanted me temporarily out of the way while staff of Mt. Blanco Fossil Museum edited and put the finishing touches on the manuscript for publishing as a booklet, *Fossil Man, Dinosaurs and Giant Mammals Together*, by John Allen Watson, published by Mt. Blanco Publishing Co. All you seekers of truth are invited to the public digs the first two weeks in June 2001 sponsored by Creation Evidence Museum along the banks of the Paluxy River. Human footprints are found in solid Cretaceous limestone in the ratio of three dinosaurs to one human! Often in contact. But alas, many put theory above evidence, and they are labeled highly controversial and forgotten by skeptics. But truth that harmonizes with the Bible prevails."

John E. Watson (B.A., 1972) reports, "John and Debbie still live in Evergreen, Colorado. After retiring from mining business in 1992, both are well and happy." E-mail address is jewats@aol.com.

Joseph D. Watzlavick (B.S., 1941) writes, "Retired from Pan Am Production, pre Amoco. Some of the assisted discoveries are still on line. Would like to get more drilling done. It's good to read of old colleagues. Thanks. Kocurek, do you know Frank of Schulenburg, married to my cousin?"

Gerald E. Weber (M.A., 1968) resides in Santa Cruz, California, is a self-employed consulting geologist, has an e-mail address of jweber@earthsci.ucsc.edu, and states, "Retired after 18 years from teaching and running the Summer Field Geology Program at UCSC. Will continue to teach part time and continue to work as an expert witness. Doing my best to drink good beer and wine, dive all the exotic caves of the world, and run the rivers of the western United States."

Nelson Webernck (M.A., 1952) is an independent geologist in Midland, Texas.

Charles Weiner (B.A., 1948), e-mail address of chas@hic.net, is retired in Houston, Texas, and writes to tell us, "Officially retired from management. Still looking for Godzilla. Good luck in Canada, Australia, California, and West Texas. China holds eternal promise, but at 77 will I be there?" Chuck is a member of the Geology Foundation Advisory Council.

Bonnie Weise (B.S., 1974, M.A., 1979) is a senior explorationist with Venus Exploration, Inc. in San Antonio, Texas. Her e-mail address is bweise@texas.net.

Charles L. West (B.A., 1952), an independent geologist in Midland, Texas, states, "Daughter is a cotton farmer; son an engineer with Microsoft. I am still active in the oil business and enjoying the higher product prices." E-mail address is cwesty2k@aol.com.

Leslie P. White (B.S., 1956) lives in Austin, Texas, where he is mostly retired, and states, "The *Newsletter* is, as always, very well done and very welcome news to us alumni. A highlight of the year was lunch with Steve Clabaugh. He, Rex White, and I discussed latent-heat-of-fusion, skunk chili, and a few other arcane topics. Jim Underwood, Bill Ward, Rex, and I are looking forward to doing it again. If there are other alumni of 'the back row' who would like to join in, let me know and we'll get a bigger table." His e-mail address is leswhite@flash.net.

Rex H. White, Jr. (B.S., 1956, M.A., 1960) is an attorney and Counselor at Law in Austin, Texas, and writes, "Brenda and I ran into Bill Ward in Boerne recently. We had a good visit and relived a few of the good old days. Les White and I had a great lunch with Dr. Clabaugh. We agreed to do that again and include Bill Ward and Jim Underwood, who is here now. I now have one grandson!" E-mail address is rex@rexwhite.com.

Steven L. White (B.S., 1978) lives in Flint, Texas, and is employed in Tyler.

Fred L. Whitney (B.S., 1943), of Kerrville, Texas, is retired, sends greetings to UT geologists everywhere, and says, "You are a great bunch!"

Fred Wiegand, Jr. (B.S., 1969), of Lockhart, Texas, is President of Wiegand Engineering, Inc., has an e-mail address of fred@wiegand.com, and writes, "Still working as consulting petroleum geologist and engineer, onshore/offshore, domestic and international. Worked again in Venezuela last year. Wiegand Brothers growing up fast now. Trying to discover a new Jurassic field now."

Addison A. Wilkinson (B.S., 1956) has an e-mail address of baawol@aol.com and lives in Lafayette, Louisiana, where he is retired. He writes, "Appreciate the alumni section. Have renewed old friendships and caught up on careers

and locations." Mr. Wilkinson is a member of the Geology Foundation Advisory Council.

Jefferson Boone Williams (B.A., 1988), of Los Angeles, California, is owner of Supersonic Geophysical, Inc., in Austin, Texas, has an e-mail address of willgeo@attglobal.net, and lets us know, "Working programming in GIS for petroleum geology, building business analyzing dipole sonic logs, and researching biblically reported earthquakes by examining Dead Sea muds."

Robert R. Williams (B.S., 1954), a consulting geologist in Dallas, Texas, says, "Robin and I celebrate our 45th wedding anniversary in June. I think it is going to last."

James C. Willrodt (B.S., 1977) has an e-mail address of jewillr@upstream.xomcorp.com, lives in Houston, Texas, and is a Senior Operations Supervisor.

Clayton H. Wilson (B.S., 1983, M.A., 1985), of Humble, Texas, tells us, "I have resurrected a couple of hobbies from early in life. Bought an airplane last year, and I'm enjoying flying around the Texas Hill Country and dropping in on Dad (Feather Wilson) in Tarpley. I started playing Trombone again with the North Harris College Jazz Band, and last February, we opened a concert for Maynard Ferguson! Kim is in college. Natalie graduates high school this year. Lance just got his driver's license. Forrest is a football stud. Emily is into horseback riding. My wife Nancy is taking pottery classes. And by the way, I still make my living doing deep water exploration in Brazil for ExxonMobil."

James Lee Wilson (B.A., 1942, M.A., 1944) is a retired consultant in New Braunfels, Texas, and is working on Jurassic source rocks in Mexico and Late Paleozoic in Chihuahua and New Mexico. E-mail address is mrgrey@nbt.com.

Jennifer Wilson (B.S., 1995, M.S., 2001) lives in Austin, Texas, has an e-mail address of jenwilso@usgs.gov, and tells us, "I will be taking permanent leave from The University of Texas at Austin

after 10 years of study when I complete my M.S. and officially graduate in May 2001. I plan to continue working as a hydrologist with the U.S. Geological Survey in Austin."

William Feathergail Wilson (B.S., 1960, M.A., 1962), e-mail address of featherg@hctc.net, is President of Strata Geological Services in Bandera, Texas. He writes, "Primarily working in the environmental and ground-water arena. Teaching through OGCI. The Texas Hill Country is still the focus of my geological attention."

Wynant S. Wilson (Attended 1953) is President of Wynant S. Wilson, Inc. and writes, "I am still working in the Abilene, Texas, area trying to generate, lease, and then get drilled shallow oil and gas prospects at a time when the price of both oil and gas has been up."

I. T. Winter (B.S., 1953), of Fort Worth, Texas, is retired with an e-mail address of itwinter@waymark.net, and states, "It's a wonderful publication. Thanks to all who keep creating and sending it so we who have been long gone from the campus can keep up a bit with the many changes in staff, facilities, and courses. Who's out there from the class of 1953?"

Brad Wolaver (B.S., 1995) finished his graduate studies at the University of Arizona and is now with Montgomery Watson in Pasadena, California.

Amy R. Wood (B.S., 1985), an Oracle developer, with an e-mail address of woodshaw@austin.rr.com in Austin, Texas, writes, "We have a baby boy (our first) due in May!"

Robert L. Wood, Jr. (B.A., 1956), of Houston, Texas, is retired.

Arnold M. Woods (M.A., 1981), a consulting geologist of Casper, Wyoming, has an e-mail address of arnold@caspers.net and states, "Greetings to one and all. My plans to do further work in Maracaibo were brought to a halt by the strike of the Venezuelan oil workers. The good news is that gave me enough time to finish writing my book, *The Dinosaurs of*

Wyoming, which came out a couple of weeks ago and is already selling. Bet that surprises some of my former professors! I'm looking forward to doing some 'dino-digs' this summer, possibly with Bob Bakker, and there's always an outside chance that the Venezuelan strike will be over soon. Keep your fingers crossed! If any of you make it up to Wyoming, drop by the Glenrock Paleontology Museum. I'll give you a tour!"

Thomas C. Woodward (Ph.D., 1955) is owner and manager of Evergreen Enterprises in Casper, Wyoming, and writes, "The domestic oil and gas industry is about to blossom forth. All we need is for Congress to get its act together with respect to taxation of exploration activities. With this bright future in mind, I've been in my files to dig out old drilling prospects, update them, and put them into a package to show."

Gene Woodyard (M.A., 1956) is retired from Conoco, lives in Bertram, Texas, has an e-mail address of ccwoodyard@aol.com, and writes, "We're still enjoying life in the beautiful Hill Country. We recently enjoyed a good visit with Jim Underwood. I've recently become a great-grandparent for the third time, unbelievable!"

Jesse W. Wright, Jr. (B.S., 1950), e-mail address jwwright@airmail.net, retired in San Antonio, Texas, tells us, "As a Longhorn Foundation member, I manage to attend most of the games played in Austin. I would be pleased to hear from my classmates."

Michael Wright (B.S., 1985) is Western Region Manager with Vertex Engineering in Burlingame, California, with an e-mail address of mwright@vertexeng.com, and lets us know, "Keeping geophysics alive in geotechnical, environmental, and natural resource applications. The lights are still on in California. See you in Austin, Texas, in December."

Phil Wyche (B.S., 1951), formerly a Senior Executive with Chevron (Gulf) is retired in Austin, Texas. He writes,

"Nothing new with family. I'm still 'hacking' around the golf course two or three days a week, which leaves plenty of time to lick my wounds from NASDAQ 2000. Attend Geology Foundation Advisory Council meeting twice a year."

Kirby H. Wynn (B.S., 1992), of Denver, Colorado, is a hydrologist with the U.S. Geological Survey in Lakewood, has an e-mail address of khwynn@kirbywynn.com, and states, "I still enjoy working on a variety of projects with the USGS. Moved Bess (B.A., 1989, Fine Art, UT Austin) and Ranger to Denver in 1995 to work on water-quality assessment projects in the Southern Rocky Mountains. Bess is busy with her career in Web development while Kirby continues to study water-quality and stream-ecology relationships in western Colorado. We

will move back to Austin one of these days."

Bob Wynne (B.A., 1957), an independent in Fort Worth, Texas, writes, "Thanks for the *Newsletter*. UT is a great school, and I'm proud to be an alum."

John C. Yeager (M.A., 1960), of Lafayette, Louisiana, is an independent geologist and says, "Have a good boss, but he is too easy on me and doesn't pay too good!"

Mei Zhou (B.S., 1997), a network administrator with UT Population Research Center, writes, "I feel right at home now that I'm back in Austin, Texas, and working for UT. Miss those beer in the park days!" E-mail address is mei@prc.utexas.edu.

Francis Scott Zimmer (B.S., 1986), e-mail address of fsz@dreamscape.com, lives in Vernon, New York, and writes,

"Hello Geobuddies. Still working for the Department of Health in Utica, New York. Though I currently work with children with high blood lead levels and IAQ problems, I will be moving to the water department in June to work with ground water wells and water quality. Never thought I would be using my geology degree for ground water work. I always expected to be in paleontology. Goes to show that courses you thought you never needed are important. Melanie and I are well. She is still doing puppetry and story telling throughout the East Coast and is starting to become known for her work. She is also having a lot of fun. Gale, our Greyhound, is doing well but slowing down with age (for a Greyhound). We hope everyone is well and happy. Feel free to drop a line or give us a call."

We always need and appreciate your help...

This past year was a great one for UT geology through donations of several major gifts, including bequests from Mr. and Mrs. Jackson in expanding the Geology Building and in establishing the new School of Geosciences.

But what is equally important to us is the large number of individual gifts we receive from Exes and friends as well as gifts from corporations and other groups. Well over 400 individuals contributed to the Geology Foundation this past year, and more than 70 groups made contributions. We appreciate each and every gift, and, as always, we pledge to make the most of your gift in ever enhancing geologic training and research at The University of Texas at Austin.

Geology at UT Austin is a large and great enterprise, and we want not only to keep it that way but also to continue to expand and enhance the training, research, and public services that go on here. All gifts are appreciated and help us reach our goals.

This year, we had responses from about 430 Exes. We are thankful for these, but we would like to have more, for this section of the *Newsletter* is the most important and the most read. We strive to keep your current address on our mailing list and ask your cooperation in advising us if you move. If you know of other alumni who do not receive our letters, please send us their names and addresses.

Contributions to the Geology Foundation may be made in the form of cash, stocks, 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

An Editorial from the Austin American-Statesman



JOHN A. JACKSON

PHOTO BY DEBORAH CANNON, *AUSTIN AMERICAN-STATESMAN*

Giving the World

The study of how our planet came to be and what it will be like tomorrow is an increasingly intriguing and urgent discipline.

Wise utilization of earthly resources such as land, water, petroleum, and minerals starts with understanding and scientific training. The conservation ethic needed to preserve the planet for future generations will begin in classrooms and laboratories.

That's one reason to rejoice in the impetus given geology studies by the \$25 million gift of John A. Jackson of Dallas to The University of Texas at Austin. The remarkable gift, the third largest ever received by The University, will establish on the Austin campus a school of geosciences named for Jackson and his late wife, Katherine.

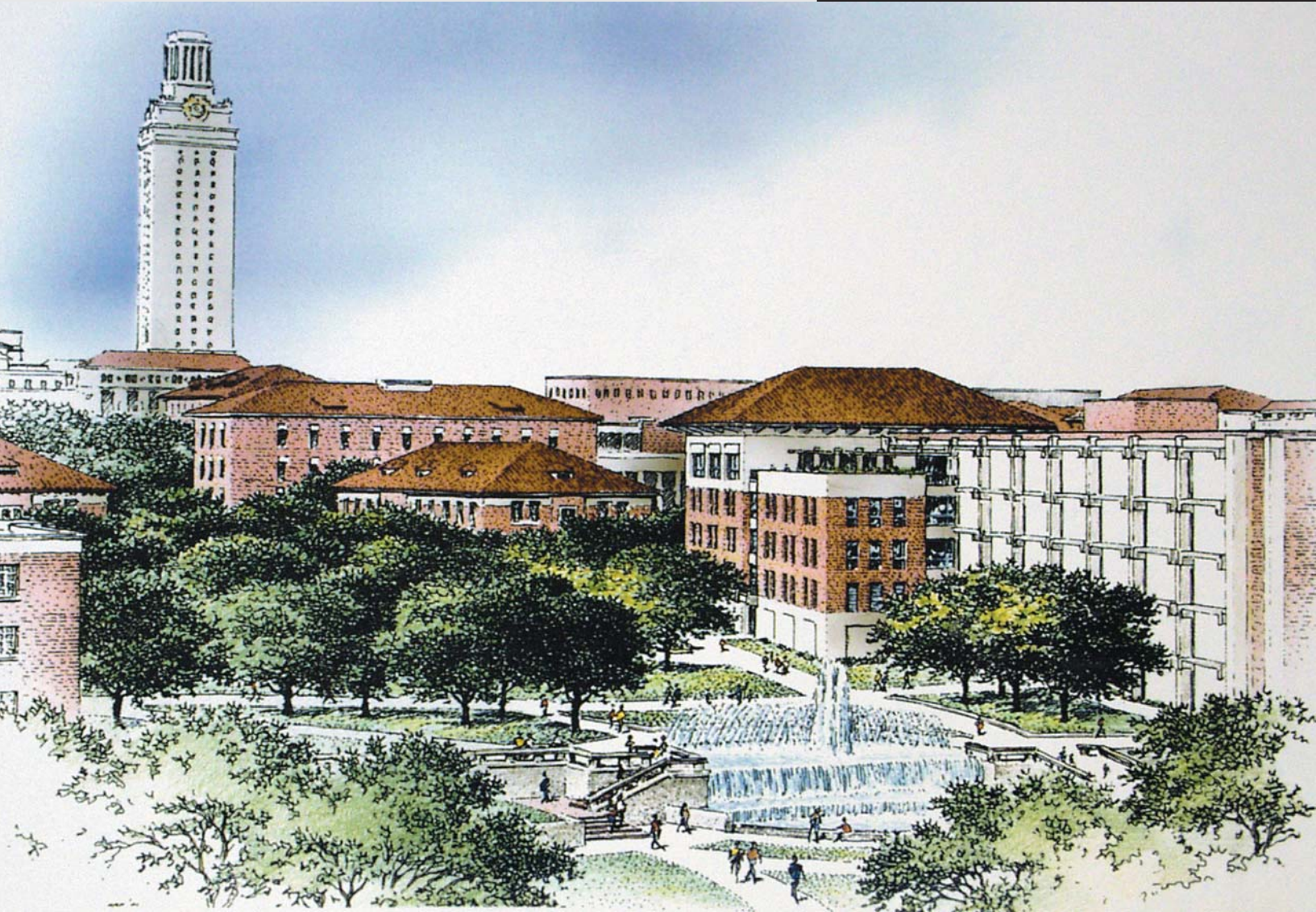
The University's geology department already enjoys national recognition for quality. Also well-regarded are the UT Institute for Geophysics and Bureau of Economic Geology.

With research and fellowships made possible by Jackson's generosity, the new school should contribute significantly to University prestige and evolving knowledge.

In Texas, geology has traditionally been associated with the oil and gas industry. That's where Jackson—petroleum geology, class of 1940—made his fortune. Energy needs will continue to fuel demand for well-trained geologists.

But geologists are also called to confront problems such as climate change and preservation of water resources and to unlock useful secrets of the past. Knowledge of how the Earth was formed, and how it is changing, will guide the future.

The recent gift to endow a new school augments a \$15 million gift for geology studies made last fall by Jackson, 87. It brings UT closer to its goal of \$1 billion in an ongoing capital campaign. And it brings us closer to the promise of a good future for planet Earth.



East Mall view of the John A. and Katherine G. Jackson Geological Sciences Building