President's Perspective

Scholarly expectations:

President Sloan describes scholarship as part of faculty's pursuit of excellence in classroom

February Focus

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Hankamer takes stock of achievements, prepares for bright future during historic year

Academic Agenda

Tales from South Bend:

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El Niño poses problems:

Cyclical weather pattern's heavy rainfall can disrupt plans, prof observes

Monthly News of the Baylor University Community



Hankamer Marks 75th Anniversary

School celebrates Diamond Jubilee as leader in business education, reflects on decades of quality teaching, innovative research and alumni success

By Alan Hunt

he year was 1923, and change was in the air. America's 29th president, Warren G. Harding, died 29 months after his inaugural address. Country music legend Hank Williams Sr. was born in Georgiana, Ala., and Yankee Stadium, built at a cost of \$2.5 million, opened in the Bronx, N.Y.

Meanwhile, citizens of Waco and the Baylor community witnessed the birth of a new academic entity —the Baylor School of Commerce and Business Administration.

The man with the vision to recommend the move to the board of trustees was then-Baylor President Samuel Palmer Brooks, who recognized the future would demand "better equipped men and women in the different fields of business."

Brooks' prediction was on the money. Today, as preparations mount for the School's Diamond Jubilee anniversary, Baylor's Hankamer School of Business enjoys a reputation as one of the nation's top business schools, showing it has come a long way in just three-quarters of a century.

A major player

The numbers speak for themselves. The largest professional school on the Baylor campus, See "February Focus" on page 3



BaylorNews

Chartered in 1845 by the Republic of Texas, Baylor University is the state's oldest continually operating institution of higher learning and is the largest Baptist university in the world. With more than 12,000 students and more than 600 full-time faculty, Baylor offers undergraduate, graduate and professional degrees through the College of Arts and Sciences, the Hankamer School of Business, the School of Education, the School of Music, the School of Nursing, the School of Engineering and Computer Science, the School of Law, the Graduate School and George W. Truett Theological Seminary. Baylor is consistenly ranked among the top 50 college values in the country by such publications as U.S. News and World Report and Money magazine.

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Acting Director of Operations

Dr. William D. Hillis Vice President for Student Life

Dr. Charles S. Madden Vice President for University Marketing

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Dr. Richard C. Scott Vice President for University

Academic Affairs

Dr. Herbert H. Reynolds

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President's Perspective

Baylor as a community of teachers and scholars

Q: What is the administration's current position on scholarly expectations at Baylor?

niversities perennially discuss the relationship between teaching and research. Recent work on a new Statement of Scholarly Expectations at Baylor has focused our attention again on this and other related, significant questions.

I want briefly to share my views on the subject as the campus community continues to examine this issue over the coming weeks.

There clearly has been a trend over the last several years at Baylor toward a relatively greater emphasis on research, grant-seeking, and publication. I affirm and applaud that trend because such scholarly activities enrich the quality of the classroom experience.

The University will continue to place increased emphasis on research and professional (including artistic) presentations. This more focused emphasis is justified, I believe, because it will not only, again, improve our students' educational experiences, but also will enrich the academic quality of Baylor's reputation as a major private university with worldwide influence.

The big picture

Given this trend and emphasis, however, we must never forget that scholarship is a notion and an experience that is broader than either research or publication, though these latter two activities are expressions of the former.

Scholarly activity, broadly defined, and with some dependence on the late Ernest Boyer, former president of the Carnegie Foundation for the Advancement of Teaching, includes:

1) traditional notions of research and reflection that result in discovery;

We are not a "publish-orperish" enterprise, and I don't believe the University will ever subscribe to that mentality. However, there can never be a separation between the scholarship of teaching and the requisite scholarship that prepares for, informs, and leads to the act of teaching.

2) presentations that creatively integrate ideas;

3) creative performances and productions typically associated with the fine arts;

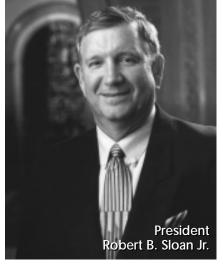
4) the application of knowledge in solving problems; and

5) research, writings, and presentations that focus on the activity of teaching itself.

This understanding of scholarly activity not only suggests a broader notion of scholarship than that traditionally conceived in higher education but is very consistent with the history and traditions of Baylor.

Holistic approach

Baylor historically has been recognized as an institution known for great teaching, sound scholarship and personal attention to students. We are not a "publish-or-perish" enterprise, and I don't believe the University will ever subscribe to that mentality. However, there can never be a



separation between the scholarship of teaching and the requisite scholarship that prepares for, informs, and leads to the act of teaching.

One last, but very important point: increased scholarly expectations must be accompanied by the University's commitment to provide the time and resources needed to meet such expectations. To that end I have asked our Provost to lead in new efforts to find creative ways for the University to provide the environment of support needed for our faculty to continue to move forward as a community of scholars. BN

"President's Perspective" features President Sloan's answers to questions submitted by members of Baylor's faculty and staff. E-mail your questions to baylornews@baylor.edu, or send them through campus mail to BaylorNews, P.O. Box 97024.

Alumni Enjoy Spotlight

Alumni Association bestows annual award upon three Baylor grads

he Baylor University Alumni Association presented three honorees with the Distinguished Alumni Award during a ceremony held Jan. 16, in the Barfield Drawing Room of the Bill Daniel Student Center.

This year's recipients of the prestigious award

are Thomas R. Phillips, chief justice of the Texas Supreme Court, attorney P. Oswin Chrisman and Baylor administrator Dr. William D. Hillis.

The award recognizes outstanding achievements of the recipients in their

respective professions. Baylor President Robert B. Sloan Jr. presented the awards, while Lt. Gov. Bob Bullock introduced Phillips.

> Phillips graduated *summa cum laude* from Baylor in 1971 and graduated from Harvard Law School in 1974. He has served as chief justice of the Texas Supreme Court since 1988.

Chrisman serves as a partner in Vial, Hamilton, Koch and Knox, L.L.P. in

See "Distinguished Alumni" on page 8

Keeping the Mind Sharp

Lifelong learning focus of new program

ebruary marks the beginning of a venture called Baylor Institute for Learning in Retirement (BILR), featuring courses from music to money, that's directed toward individuals with special status — retired.

The organization's goal is to provide lifelong learning experiences for "retirement age" individuals without tests or

academic requirements. BILR is based upon similar institutes found around the country. "Institutes for Learning in Retirement offer retired adults opportunities to take advantage of intellectually-stimulating courses and also to develop friendships with like-minded adults," said Annette Lindsey, director of continuing education.

The \$40 membership fee provides such benefits as a tour of the campus with Dr. Robert Reid, Master Teacher and retired history professor, and options to attend other retirement institutes' weekend and Elderhostel international study programs.

Day study trips are planned to the Wildflower Research Center in Austin, the Bush Presidential Library in Bryan-College Station, and the Dogwood/Azalea Trail in East Texas. Courses include "Music for Music Lovers" with Dr. Daniel Sternberg, dean emeritus of the School of Music, and "Dialogue Within a World of Religious Pluralism" with Dr. John Jonsson, professor of religion.

Other courses include "Thinking About Matters that Matter" with Dr. Robert Baird, Master Teacher and chair of the Department of Philosophy, and "Money Management During Retirement" with Ann Shaffer, assistant vice president and senior financial consultant with Merrill Lynch Private Client Group.

Courses are held off campus at First United Methodist Church and Episcopal Church of the Holy Spirit. There is a \$15 fee for each course. "The organization is member directed and administered," Lindsey said. "Members make the decisions about the courses, locations, instructors, and dues. As a result, the interest of retired adults is the primary concern."

Development of BILR is led by the Baylor Division of Continuing Education and a steering committee of John Moran, Mary Ila Colvin, Richard Dudley, Maurice Dutton, Grady Gordon, Sarah Harrison, Anne Joliff, Lillian Manning, John McCue and Randy Preddy.

For more information, call Continuing Education at 710-3550. — *By Brenda Tacker*

Thomas R.

Phillips

MarchFocus

Hankamer School of Business Reaches Historic Milestone

Continued from page 1
Hankamer School of Business has more than 3,000 students, 120 faculty members and 30 staff members in its eight professional centers and six academic departments. Roughly one-fourth of all Baylor degrees awarded each year are BBAs and MBAs. In addition, the business school has more than 19,000 alumni located in all 50 states and numerous countries around the world

It's easy to see why the School is synonymous with success, said economics student Jaime Antal, a junior from Boston, Mass. "The professors work you hard and provide you with a very good education," she said.

The School is positioned to make even greater strides in the 21st century — particularly with the growing trend toward "globalization."

The consensus among executives and educators is that business education programs must continue to address the rapidly changing arena confronting many American companies.

Instead of simply second-guessing the tactics of domestic business rivals, these companies now have to face the unpredictable consequences of competing in a global economy.

The Hankamer School of Business already is confronting the challenges of a worldwide marketplace. Today, it's not uncommon to find the School's professors and students helping to shape the way the former Communist countries of Europe do business. Indeed, through the School of Business' innovative exchange programs with institutions around the world, Baylor's influence has spread far beyond the borders of Texas and America.

From Finland, France, Thailand, and the United Kingdom, to Canada, Russia and Australia, a number of Hankamer faculty members have shared their expertise internationally by teaching courses at universities in these countries.

"In each case, they not only have contributed to the educational mission of their host institution, but have also brought back a broadened perspective to share with their Hankamer students," said economics professor Dr. Joe McKinney.

Expert counsel

Closer to home, members of the Hankamer faculty have helped shape several areas of public policy. For example, economists Dr. Tom Kelly and Dr. James Henderson have advised state legislative committees on matters of tax policy, as has Dr.

John Pisciotta on the state's educational system.

Dr. McKinney has testified on trade policy issues before the Trade Subcommittee of the House Ways and Means Committee of the U.S. Congress and several times before the U.S. International Trade Commission. He also co-directed a study for Congress on the potential impact of free trade on the U.S.-Mexico border region.

Earning accolades

Hankamer's solid reputation as a leader in collegiate business education has earned the School regular and well-deserved appearances in some of the most prestigious national rankings. Particularly impressive is the School's role as a champion of the entrepreneurship system.

In fact, Hankamer was among the first schools in the nation to establish an entrepreneurship center in 1977,

and today Baylor University
enjoys high marks for its
entrepreneurship offerings.

The Entrepreneurial
Studies Program in
the John F. Baugh
Center for Entrepreneurship was ranked
among the top five in the
nation in a survey of top
business school entrepreneurship

programs by *U.S. News & World Report*. Similar accolades come from *Success* magazine, which recently ranked Baylor as one of the nation's top 25 business schools for entrepreneurs.

That same entrepreneurial spirit is alive and well in Hankamer's Department of Marketing, which in 1985 established the Center for Professional Selling, one of the first of its kind in the nation. The center initiated and hosted a unique sales contest between students representing the U.S., Canada and Mexico.

The Department of Marketing also was ranked as one of the top departments in the country in terms of faculty members' research published in refereed academic journals.

Hankamer's accounting program also has a distinguished history. Its graduates consistently place among the highest in the state of Texas in scores and pass rates on the certified public accountant (CPA) exam. In 1992, the accounting program was named one of the top 20 accounting programs in the country by *Public Accounting Report*.

Broad curriculum, helping hand

Accounting, marketing and entrepreneurship are three of 20 major fields of undergraduate study offered by Hankamer in the traditional business disciplines. The others range from economics, finance, information

systems, and management to more specialized areas such as financial services and planning, human resource management and international business.

In addition, the School offers 11 graduate degrees in business administration, international management, taxation, information systems and economics, as well as Executive MBA programs in Waco and Dallas.

Hankamer's involvement with the Waco and Central Texas community is legendary — from the way business students "chip in" to help local businesses to the detailed monthly surveys of business activity and prices generated by the Bureau of Business and Economic Research.

Dr. Kelly, who has directed the bureau (now known as the Center for Business and Economic Research) for the past 14 years, is responsible for producing the complex surveys that help to paint Waco's economic picture — and chart its future.

For the past 20 years, area business executives also have relied heavily on the Waco and Central Texas Economic Forecast Conference, sponsored annually by Hankamer and the Greater Waco Chamber of Commerce.

Excellent facilities

The impressive Hankamer building complex of today is a far cry from the way business education used to be taught in the School's early days. For years, business classes were taught at any available location on campus, and faculty members had to set up their offices where they could.

Things changed dramatically in the late 1950s, when Earl Hankamer, a Houston alumnus of the School of Business, generously provided the lion's share of funds needed to complete the handsome building currently housing the School at the corner of Fifth Street and Speight Avenue.

Other generous gifts from loyal friends of Hankamer over the years have permitted sizable additions to the School, which now boasts the very latest in classroom, laboratory and administration facilities.

Visionary leadership

The School of Business has been fortunate in the choice of deans who have helped to shape the School's destiny. In recent decades, Dr. Emerson Henke took over from Dr. Aldon Lang in 1967 and dedicated his time and energy to the enormous progress made at the School during his tenure as dean.

Dr. Henke's enthusiasm knew no bounds. Once, when a businessman lamented the fact that he had been unable to hire an accountant for his organization, Dr. Henke suggested that

Through the Years

Highlights of the Hankamer School of Business

1923 Baylor School of Commerce and Business Administration established by Board of Trustees.

1925 First class of six persons graduates.

1947 Dr. Monroe Carroll appointed dean.

1948 Dr. Aldon Lang appointed dean.

1949 Bureau of Business Research established under Dr. Burke Parsons.
 1959 Gifts from many Baylor friends — principally Earl Hankamer of Houston — enable completion of present building at corner of Fifth Street and Speight

1962 Casey Computer Center established through funding by Mr. and Mrs. Carl Casey.

1967 Dr. Emerson Henke appointed dean.

1977 Dr. Richard Scott appointed dean.

1984 Center for Entrepreneurship established as separate entity, later endowed by Mr. and Mrs. John F. Baugh of Houston and renamed John F. Baugh Center for Entrepreneurship.

1985 Center for Professional Selling and Sales Management established.

1987 Family Business Institute founded.

1988 Academic Center completed, offering modern classrooms, technology labs, and KPMG Peat Marwick Tax
Library. Arthur Andersen & Co. Student Center
finished, linking Academic Center to main building.

1989 Center for Manufacturing Excellence established.
Family Business Institute sponsors first
Outstanding Family Business Award
Competition.

1990 Center for Economic Analysis established.

1991 Fourth and fifth floors of Academic Center completed with funds provided by Mr. and Mrs. Roy Cashion of Waco, providing classrooms, banquet facilities, and study area for graduate students.

1992 McBride Center for International Business
Entrepreneurship established through funding by
Mayo McBride.

1993 First Baylor-Russian Business Conference in St. Petersburg and Moscow sponsored.

1994 Center for Professional Selling and Sales
Management hosts first NAFTA Sales Contest.

1997 Dr. Terry Maness appointed dean.

By Alan Hunt and Judy Corwin

if he would endow a professorship in

accounting, it might help the School

what I said," Dr. Henke recalled,

produce more and better accountants.

admitting that he left the man's office

"a little discouraged." But a year later,

the man provided the endowment for

"I wasn't sure that he heard



Consequently, the institution maintains a distinctive niche among America's collegiate schools of business.

"We were fortunate during my term as dean to assemble a first-rate faculty and give them the freedom to develop their areas of research and teaching," Dr. Scott said.

New guard, new century

Following Dr. Scott's promotion to vice president for university development, the Baylor Board of Regents found his replacement within the ranks of Hankamer's talented faculty, naming Dr. Terry Maness to the post.

"As we begin celebrating the School of Business' Diamond Jubilee this year and start looking back over the past 75 years, we want to express our appreciation to all the deans, faculty, and alumni who have provided the foundation for making the Hankamer School of Business what it is today," Dr. Maness said.

No doubt challenging times in the changing world of business education await the School during the next millennium. But after a distinguished history spanning more than seven decades, Baylor's Hankamer School of Business stands ready to meet those challenges the way it always has — head on. BN

an accounting professorship. "I gained special satisfaction from the personal encounters I had with

school." Dr. Henke said.

friends and benefactors of the

Large gains
Dr. Richard Scott made a
significant contribution to the stature
of the Hankamer School of Business
during his 19-year tenure as dean,
which stretched from 1977-96.

Among other achievements, Dr. Scott was responsible for a striking increase in the School's endowment, from \$3.5 million to \$56 million. He also spearheaded the drive to improve and enlarge the Hankamer facilities to accommodate rapid enrollment growth. Such was his zeal that Hankamer's facilities grew from 40,000 square feet to 153,000 square feet.

Dr. Scott focused much attention on the quality of teaching and programs, greatly enhancing Hankamer's standing as a leading school in Christian business education.

February 1998

CampusNews

Chapel-Forum doubles the fun

Due to enrollment increases in Baylor's student body, a second session of Chapel-Forum has been added this semester.

The 10 a.m. session remains the same, but an additional meeting is now held at 11 a.m. on Mondays and Wednesdays.

The change provides students with greater freedom in constructing their schedules, and more students will be able to enroll each semester, said Dr. Milton Cunningham, director of denominational ministries and University chaplain.

"It provides an option for students, giving them the chance to make sure they can fulfill their Chapel-Forum requirements," he said.

Students hear the same speakers in both the 10 a.m. and 11 a.m. sessions

All registered students are seated on the main floor of Waco Hall, which allows for about 1,350 students in each session of Chapel-Forum, Dr. Cunningham said.

Balcony seats are reserved for student, faculty and community visitors who wish to attend special programs. — By Keirsten Layne

Surfing Baylor

How were Baylor's school colors chosen? Why did Baylor students once bury a football on campus?

You can find the answers to such questions by checking out the Baylor traditions web site at: www.baylor.edu/about/

traditions.html.

Brush up on your Baylor lore before Traditions Week arrives, and you'll be able to impress your students and colleagues!

Easing the Parking Jam

Four-level garage to provide much-needed parking space

A new parking garage for Baylor students, faculty, staff and visitors will become a reality in 1999.

The University plans to begin construction in May with completion of the structure tentatively scheduled for January of next year.

Ken Simons, assistant vice president and business manager, said the groundbreaking for the facility has been delayed to give the University time to meet various city requirements.

On the bright side, the delay in construction means that existing parking spaces will be displaced for only one semester instead of two.

To accommodate parking needs that are disrupted by the construction, the University will run buses and trolleys from the Ferrell Center to the School of Business.

To make room for the parking garage, the Student Foundation and opera workshop buildings will be torn down.

The entrance to the garage will be on Fourth Street, and plans call for the area of Speight Avenue between Fourth and Fifth Streets to be closed to traffic.

The four-level garage will accommodate approximately 1,200 cars.

Simons said the Baylor Department of Public Safety will move from Clifton Robinson Tower to the first level of the garage, and approximately 20,000 square feet of additional space on the first level will be available for offices or as leased space to businesses. — By Julie Carlson

Founders Day Tribute Held

Men of vision, special honoree recognized during annual event

Did you know that Baylor was almost named Tryon University? Judge R.E.B. Baylor, a Baptist minister and the University's namesake, originally suggested the institution be named in honor of William Tryon, a minister who had proposed the idea for the school.

Chances are a significant portion of the Baylor community may not know the full history of Baylor's pioneers.

Founders Day, held Feb. 2 this year, is designed to change that situation, ensuring that the history of Baylor passes on from generation to generation.

Records from The Texas Collection show that Founders Day celebrations date back to the 1930s.

Traditions Week Keeps Past Alive

Annual week of events teaches students BU history

sense of tradition often is the premier hallmark of a great institution. As the state's oldest university, Baylor certainly has made its mark in the annals of Texas history. But keeping that storied past alive requires vigilance.

With that in mind, Baylor students created Traditions Week, scheduled for Feb. 23-28, to ensure this handing down of Baylor's legacy

During the week, Student Congress will lead the student body in remembrance of Baylor's greatest traditions. A display of the Baylor Mace has been a popular activity in past celebrations, and a historical review of traditions such as Homecoming, Welcome Week, the Sic 'Em Bears slogan and the Immortal Ten also has inspired students.

Last year, Baylor President Robert B. Sloan Jr. and the Student Congress traveled to the University of Mary Hardin-Baylor campus in Belton to visit the gravesite of Judge R.E.B. Baylor, the University's namesake and one of its original founders.

Dr. Martha Lou Scott, dean for student campus life, said Traditions Week strengthens the ties between students and their alma mater.

"It's important for current students to understand what they share with the students that came to Baylor before them," Dr. Scott said. "Those students that take advantage of the week gain a greater appreciation for Baylor."

Dub Oliver, director of student activities, said Traditions Week concentrates what students learn over the course of their campus experience.

"Hopefully we are at a point where tradition is being imparted to students throughout their career," Oliver said. "Traditions Week will help them know the significance of traditions they see daily."

Traditions Week has begun of a new tradition of its own. In 1995, Student Congress began concluding the week's activities with "Steppin' In," a program in which students participate in oncampus service projects much like the well known "Steppin' Out" program. — *By Vincent Carpenter*

The day recognizes the courageous efforts of people like Baylor, Tryon and James Huckins, the first Baptist missionary to Texas who is recognized as the first fundraiser for the

The presentation of the Founders Medal, one of the most distinguished awards given by Baylor, highlights the celebration.

The University began giving the Founders
Medal in 1969 to recognize individuals who have
made significant contributions to the life of the

A copy of the medal is on permanent exhibit in the National Numismatic Collection at the Smithsonian Institute in Washington, D.C.

This year the University marked the annual celebration with a Chapel-Forum ceremony and a luncheon for the Founders Medal winner.

Baylor awarded Regent Emerita Dorothy Barfield Kronzer of Houston the 1998 Founders Medal.

Kronzer has served on the executive board of the Baylor Alumni Association for 17 years and was the first woman elected as president of the association

She serves as a member of the Alumni Association Building Fund Steering Committee and participates in the Heritage Club, Herbert H. Reynolds Summer School for Retired Persons and Baylor Fling.

— By Vincent Carpenter

Alumni Center on Schedule

Extensive renovations slated for early September completion

Next time you're traveling down University Parks Drive, take a look at the construction on the Baylor Alumni Association's Hughes-Dillard Alumni Center building. You might be surprised at how much has taken place at the construction site.

With more than \$2 million in gifts and pledges for the expanded and fully renovated alumni center already pledged, fundraising for the building is well ahead of schedule. The association needs approximately \$500,000 more to complete its fundraising efforts.

"We've received everything from \$5 gifts to a \$1 million gift," said Dr. Ray Burchette, executive vice president of the Baylor Alumni Association.
"Gifts were exceptionally strong at the end of 1997. We feel good about the response and are very grateful."

Dr. Burchette said the response in giving has been so great that only a limited number of special designation gifts — contributions that are designated to certain parts of the building — remain available to donors.

"I think we have a couple of benches and a room left," he said.

Currently, Dr. Burchette and his staff are selecting the furnishings and works of art to be used in decorating the renovated building, and artist Jim Gilmore will install his bronze sculpture, "The Defender," which depicts a mother bear with her two cubs, in the Great Hall at the end of August.

A small model of the sculpture can be seen at the temporary Alumni Association offices in Clifton Robinson Tower.

The Alumni Association plans to move to its renovated office space in the center between Sept. 1-15. A formal dedication of the building is scheduled to take place during the 1998 Homecoming weekend. — *By Julie Carlson*



BaylorNews

AcademicAgenda

A Baptist at Notre Dame

Philosophy prof reports on lessons learned regarding differing manifestations of faith

By Dr. Scott Moore Assistant Professor of Philosophy

y friend and colleague Dr.
David Solomon recently
offered his reflections on
"What Baylor and Notre Dame Can
Learn from One Another." As both a
Baylor graduate and professor at the
University of Notre Dame, Solomon was
in a unique position to reflect on these
two institutions. I had the good fortune
to take Solomon's advice and see for
myself, having been invited to spend
the 1996-97 academic year at Notre
Dame as a visiting research fellow at
the Center for Philosophy of Religion
and in the philosophy department.

I learned a lot. Enriched by the first-rate philosophy faculty who funded my fellowship, graciously invited me into their seminars, and engaged me in daily conversation, I also learned from and reflected on the differences and similarities between these flagship Baptist and Catholic institutions. Allow me to touch on one or two of these issues.

Touchdown Jesus

One of the abiding differences between Catholics and Protestants is how we value the material manifestations of religious practice and belief. The "materiality" of the Catholic religious experience looms large for a Baptist visitor. Solomon had pointed out how different Baylor's campus is from Notre Dame's in terms of Baylor's lack of religious objects and images. He was correct. There are almost no such images on the Baylor campus.

When Solomon originally spoke at Baylor, however, I took issue with him about the significance of his observation. How important could a bunch of statues be, anyway? The fact that the "Word of Life" mosaic on the front of Notre Dame's library is far better known as "Touchdown Jesus" implies that these images do not play the lofty role for which they were intended; rather, they are trivialized by more accessible features of our common culture (or, in this case, the "other" religion at Notre Dame). The bronzed presence of "First Down Moses" and "Fair Catch John the Baptist" only amplified my point.

Surely, Solomon countered, I was not suggesting that the abuse of an object was grounds for dismissing the object itself. Well, what was I suggesting? Perhaps I wanted to argue that such objects and images are not necessary for a Christian university to fulfill its mission; they are merely ornamental. Yet during my year there I did come to see how the chapels and the images and the crucifixes in every classroom do serve as constant reminders of the reason that this institution exists in the first place. Indeed, I think many particular images do function well as reminders or "aids to reflection."

The truth of the matter is that we need reminders. Sacred space must be created and maintained. We Protestants are always afraid that the reminder or "aid to reflection" will become either a substitute for "authentic" faith or, worse, an object of worship in itself. Either consequence is unacceptable from both Catholic and Protestant points of view. The important point is

necessarily incoherent about such a notion, even if our national (secular) academic culture makes the prospects for such an institution seem implausible.

But is it the case that we've never had one? Notre Dame is, or is on the way to being, a major research university of the first rank. Is it also a Christian university? That depends on whom you ask. The Christian faculty

Christian universities must be intentional in encouraging scholarship that integrates faith and learning without deprecating the valuable scholarship which has other interests.

that reflection informs both worship and critique.

Keeping the faith

In this nexus of critique and worship, we find the Christian university. Christians believe that life should be lived to the glory of God. There is a component of worship in all that we think, say, and do. Christian universities ought to be places where the critical life, understood to be part of the worshipful life, is taught and practiced.

Both Baylor and Notre Dame are places where this occurs. The difference lies in the kinds of reminders which our different traditions offer to us and in the ways our traditions understand the relation between worship and critique. Christian universities must remain places which insist on reminding both its members and the larger society what it is that this place is all about. To the extent that its members are Christians, it reminds them what they are essentially about as well. To fail to do so is to abandon our mission.

Of course, this business of institutional mission is not a simple affair. Universities in general struggle with questions of institutional identity and mission, and these problems are magnified in church-related settings. Still, church-related colleges and universities, which dominated the educational landscape for most of this nation's history, now find themselves desperately looking for role models. And in terms of what a major research university with a strong confessional identity would look like, well, it really is uncharted territory.

To be or not to be

Is this uncharted territory because no one has ever been there or because it does not exist? Is there something necessarily incoherent about the idea of an intentionally Christian research university, or have we just never had one? Clearly there is nothing and administration will for the most part say, "Yes," but the nonchristian (and the religiously bashful Christian) faculty will say, "Historically, sure, but the history of the place is really irrelevant for what I'm doing. And as long as the priests don't get in the way, we're no different from anywhere else." Apart from the reference to the priests, these answers are virtually the same at Baylor.

What motivates this response? I'm reminded of the first question those of us who defend the idea of integrating faith and learning (both at Notre Dame and Baylor) always get from our skeptical friends and colleagues. With the sort of incredulous originality which sometimes makes it hard to keep a straight face, my nonchristian and religiously bashful Christian scholars and friends ask, "You don't really think there is such a thing as Christian accounting or Christian mathematics, do you?"

Well, of course not. That question is based on the assumption that every discipline must have a specifically Christian content for the university to be meaningfully Christian. But surely that's not the case, and no one, to my knowledge, suggests otherwise. Clearly there will be more possible integration in some disciplines than in others, and little or none in other areas.

However, it does seem to be the case that, say, members of a mathematics faculty at a Christian university will be some of the best people to ponder the religious impulse which accompanies the quantification of reality which is so common in Western culture.

A balancing act

One of the most helpful statements I've ever heard on the subject of integrating faith and learning comes from Nicholas Wolterstorff of Yale University who once said, "The goal of Christian scholarship is not to be different. When we discover areas of agreement and reach conclusions similar to those of our nonchristian colleagues, well, that's lovely. The goal is not to be different; the goal is to be faithful."

And that, of course, is the trick. How does an institution promote and pursue faithfulness without imposing the kinds of parameters (or disincentives) which would unnecessarily limit academic freedom? Some say it can't be done. Perhaps they're right, but that's not obvious. Academic freedom in this country in the 20th century has simply pursued faithfulness to a different tradition and in reference to a different collection of authorities. At the time, most thought that this tradition was "neutral" and "objective" and did not guide or limit inquiry in ways which religious traditions would. Everyone now knows that those assumptions turned out to be false.

Many at Baylor and Notre Dame (and elsewhere) do not see intellectual commitment informed by tradition as a challenge to academic freedom.
Christian universities must be intentional in encouraging scholarship that integrates faith and learning without deprecating the valuable scholarship which has other interests.
Christian universities must be places where the hard questions — and the disconcerting answers — are discussed.

Heads held high

In a day and age when "political correctness" shuts down religiously interesting conversations on university

campuses, Christian universities ought to be places where an inquisitive charity promotes inquiry and conversation which can't be heard on other campuses. In order to accomplish this goal it will take institutional fortitude and resolve to keep our eye on the *academic* ball and not to be side-tracked by an embarrassed confessionalism or a petty pietism.

If we are embarrassed by our tradition and identity as a Christian institution of higher learning (the kind of embarrassment which winces at the presence of priests in the dorms and Dome at Notre Dame), we will cease to be Christian. If we encourage the perpetuation of pietistic taboos (the kind of piety that couldn't "bare" an anatomical drawing class at Baylor), we will squelch conversation and inquiry and cease to be an institution of higher learning.

We faculty members at both Baylor and Notre Dame struggle with these questions and issues. We are part of a national academic culture which all too often assumes that all the interesting questions about the ends (or goals) of higher education have been answered and the only task before us is one of determining the most appropriate means of achieving those ends. We must call both of those assumptions into question. If we are going to teach our students that the critical life is part and parcel of the worshipful life, then we must become the kinds of reminders which embody that very spirit. I see this at Baylor, and I saw it at Notre Dame, but it is a valuable commodity which needs to be enhanced at both places. And this is one of the best things I learned at Notre Dame. BN

Ed. note: This article is adapted, and used with permission, from an article originally published in the Nov. 1997 issue of *The New Oxford Review*.

Peeking Behind the Curtains

Round Table plans "Macbeth" preview

rama will be the main dish during the Baylor Round Table's upcoming lunch program featuring faculty and staff members from the Department of Theater Arts, scheduled from noon to 1 p.m. Feb. 11 in the Hooper-Schaefer Fine Arts Center.

The focus will be on William Shakespeare's play

"Macbeth," which the department is producing Feb. 20-28 as part of the Guest Artists Series.

While the bard's famous play is full of darkness, evil deeds, and plenty of bloodshed, the Round Table's meeting promises to be a light-hearted look behind the scenes of the play's production. "We want to provide a chance for people to get an inside look at all the preparation that goes into the play" said Lois Ferguson, one of the event's organizers.

The Round Table, an organization designed to introduce the wives of new executives and faculty members as well as female executives and faculty members to Waco and the Baylor family, hopes to generate interest in the play and theater arts in general.

"Our speakers will talk about how they get ready for a production, discussing everything from casting and staging the play to making the costumes," Ferguson said.

A possible highlight of the "Macbeth" preview could be a monologue from the play by one of the guest artists, who have performed with the Oregon Shakespeare Festival and American Conservatory Theater. Patricia Cook, professor of theater arts, is directing the play.

For information about Baylor Round Table, call Betty Beckner at 741-1293. For information regarding "Macbeth," call the Theater Arts box office at 710-1865. — *By Todd Copeland*

Spotlight

Family Circle

With sympathy to

Linda Claridy, Texas Collection, on the death of her mother, Gerry Copeland.

Linda Cobbs, Libraries, on the death of her mother-in-law, Tina Cobbs.

Judy Dees, Cashier's Office, on the death of her father.

Vicky Kendig, Continuing Education, on the death of her father, **R.L. Robertson**.

Linda Kerr, Engineering, on the death of her father, **Carl Harding**.

Jim Moshinski, Business, on the death of his mother.

Betty Mullins, Aerospace Studies, on the death of her mother.

C.S. Randall, QuadrangleApartments, on the death of his son,Gregory Kent Randall.

Rebecca Sharpless, Oral History, on the death of her sister.

Best wishes to

Lianne Fridriksson, Journalism, following recent surgery.

Congratulations to

Lisa Akins, Information Technology Center, on her engagement to Robert Salganik.

Stacy Atchley, Geology, and his wife, Janelle, on the birth of their daughter, Audra Anne, born Jan. 17.

Don and Vicki Gaitros, Information Technology Center, on the birth of their granddaughter, Breana Denae Rogers, born Dec. 12.

Donna Herbert, Information
Technology Center, on her graduation from Baylor in December with a
B.S. degree in Information Systems.

Bob Jones, Business, and **Patty Ortiz** on their Jan. 3 wedding in the Armstrong Browning Library.

Gloria Logue, Libraries, on her retirement following 22 years at Baylor.

Mark and Janice Roessler, Information Technology Center, on the birth of their son, Justin Blake, born Dec. 5.

Sandy Tighe, Business, on the birth of her grandson, **Dylan Chase**, born Dec. 17

Shawn and Carol Welch, Business, on the birth of their daughter, **Hannah**, born Dec. 19.

Send "Family Circle" items by e-mail to baylornews@baylor.edu or by campus mail to P.O. Box 97024.

Publications

Dr. Dawn Adams, assistant professor of biology, had an article titled "Famous Felids" published in Vol. 276, pp. 909-910, of *Science*. She also had an article titled *Trinacromerum Bonneri*, N.Sp., Last and Fastest Plisaur of the Sundance Sea" accepted for publication in *Texas Journal of Science*.

Dr. Dwight Allman, assistant professor in political science, had an article titled "Ancient Friends, Modern Enemies: Plato and Nietzsche on the Life Most Worth Living" published in the Winter 1998 issue of *The South Atlantic Quarterly*.

Dr. Kristina DeNeve, assistant professor of psychology, had a co-authored article titled "Finding the Missing Science: The Fate of Studies Submitted for Review by a Human Subjects Committee" published in the December 1997 issue of *Psychological Methods*.

Dr. Michael Frisch, associate professor of psychology, had a co-authored chapter included in a book titled *Assessing Oral Health Outcomes: Measuring Health Status and Quality of Life* that was recently published by the University of North Carolina Press.

Dr. Stephen Gardner, professor and The Herman Brown Professor of Economics, had the second edition of a book titled *Comparative Economics Systems* published by Dryden Press. **Dr. Mahamudu Bawumia**, assistant professor of economics, contributed a new chapter on African economics to the book.

Dr. David Garland, professor of Christian scriptures, had a book titled *Colossians / Philemon* published in the NIV Application Commentary Series by Zondervan in Grand Rapids, Mich.

Dr. Fred Gehlbach, professor emeritus of biology and environmental studies, co-authored with **John Marzluff** of the University of Washington a chapter on the research, management and conservation of urban birds that was included in a book titled *Avian Conservation* that was published in December by Island Press.

Dr. Kevin Gutzwiller, associate professor of biology and environmental studies, and Heidi Marcum, lecturer in environmental studies, coauthored an article titled "Bird Reactions to Observer Clothing Color: Implications for Distance-sampling Techniques" that was published in Vol. 61, pp. 935-947, of *Journal of Wildlife Management.* Gutzwiller also had a 54-page USACERL technical report co-authored with T.J. Hayden titled "A Literature Review of Actual and Potential Effects of Military Maneuvers on Avian Behavior, Reproduction, and Community Structure" published by the U.S. Army Corps of Engineers' Construction Engineering Research Laboratories in Champaign, Ill.

Kathy Hillman, associate professor and acquisitions librarian, co-authored with John Hillman an article titled "Profiles: Austin Ben Tincup (Cherokee): American Indian Athletic Hall of Famer" that was published in Vol. 28, No. 6 of Whispering Wind: American Indians Past and

Dr. Wade Rowatt, lecturer in psychology and neuroscience, had an article titled "Deception in Close Relationships" accepted for publication in an upcoming issue of *Personality and Social Psychology Bulletin*.

Dr. Wendy Sera, assistant professor of biology, co-authored with **Jess P. Kelly** a review of *Population Ecology: A Unified Study of Animals and Plants* by M. Begon, M. Mortimer and D.J. Thompson that was published in Vol. 82, No. 2, pp. 698-701, in *Journal of Mammalogy*.

Dr. Lynn Tatum, lecturer in religion, coauthored with three Baylor archaeology undergraduates an article titled "Birthrights & Blessings" that was published in the latest issue of *Biblical Illustrator*. Dr. Kenneth Wilkins, professor of biology, co-authored with lead author Heather Welty Roberts, a former Baylor master's student, and J. Flores and A. Thompson-Gorozpe, professors of biology at the Universidad Autonoma de Guadalajara in Mexico, a paper titled "Burrowing ecology of pocket gophers (Rodentia: Geomyidae) in Jalisco, Mexico" that was published in the September 1997 issue (Vol 42, No. 3) of *The Southwestern Naturalist*. This research was conducted in association with the Chapala Ecology Station.

Presentations & Participants

Dr. Dawn Adams, assistant professor of biology, delivered an invited, plenary session speech on evolutionary theory to the winter workshop of the John Templeton Foundation held Jan. 3-8 in Tallahassee, Fla.

Dr. William V. Davis, professor of English and Writer-in-Residence, served as guest professor at the University of Vienna, Austria, during a recent sabbatical, giving two series of lectures on 20th-century American and British poetry and the literature of the American renaissance. He also gave a reading of his poetry and lectured on 20th-century American poetry at the University of Salzburg, Austria.

Dr. David Garland, professor of Christian scriptures, presented a paper titled "Amistad and

Paul's View of Slavery" at the Truett Seminary Faculty Convocation held in January.

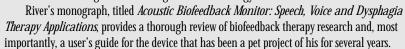
Michael Haithcock, professor of conducting and director of bands, conducted Baylor's 52-member Symphonic Band in its second concert of the fall semester held Dec. 9 in Jones Concert Hall in the Glennis McCrary Music Building. Jeffrey Grogan, assistant professor and associate director of bands, assisted Haithcock. The program included Richard Wagner's "Huldigungsmarsch," Johann Sebastian Bach's "Jesu, Joy of Man's Desiring" and Alfred Reed's "Russian Christmas Music."

Dr. Ben Pierce, associate professor of biology, presented a seminar on "Ecological Studies of Amphibians" July 21-23, 1997, at Baylor's Chapala Ecology Station in Guadalajara, Mexico. He also read a paper titled "Analysis of Auditory Sampling for Frogs: Listening Time Required for Detection" at the third World Congress of Herpetology held Aug. 2-6, 1997, in Prague, Czech Republic.

Finding a Voice

Baylor prof helps people speak clearly

r. David Rivers, professor of communication sciences and disorders, is receiving positive feedback concerning an invention of his, the Acoustic Biofeedback Monitor, and a book that serves as a guide in utilizing the new technology.



"I stumbled onto the idea for the monitor as a graduate student while treating a patient," Rivers said. "I made a biofeedback device at the time that proved effective, and since then I've worked on it off and on until it became ready for use by others."

The Acoustic Biofeedback Monitor helps patients — under the instruction of trained speech pathologists — gain control of underlying physiological dysfunctions of communication and swallowing due to such disorders as hypernasality from cleft palate, congenital or acquired deafness, and speech respiration control problems due to Parkinson's disease.

Rivers invented the monitor to provide professionals in his discipline with an affordable and effective means of testing and rehabilitating persons with such speech, voice and swallowing disorders.

"This monitor is an improvement in that it's much simpler and cheaper than the instrumentation that has formerly been available," Rivers said, noting that its total cost is around \$400.

The monitor amplifies and displays the acoustic energy of a patient's speech through use of a microphone and headphones. Patients can watch their speech patterns on a calibrated meter, providing them with the feedback necessary to make corrections.

Luminaud Inc., based in Mentor, Ohio, unveiled the monitor at the November 1997 convention of the American Speech Language and Hearing Association held in Boston.

Rivers said that although the book and monitor haven't been out long enough to gain widespread use among practitioners, his use of the technology has proven its

"One of the principal uses of this device has become treating children with soft-palate conditions who have hypernasality problems," Rivers said.

Rivers' invention and monograph provide professionals with the knowledge and technology necessary to help persons with such disorders regain the crucial ability to communicate clearly with the world around them.

"This kind of therapy is a lot of hard work day by day, one on one," Rivers said. "Gains are sometimes slow in coming, but when you get to the end of a treatment and look back it can be very inspiring." — By Todd Copeland



Dr. Wendy Sera, assistant professor of biology, and Dr. Kenneth Wilkins, professor of biology, attended the annual meeting of the American Society of Mammalogists held in June at Oklahoma State University in Stillwater, Okla. Sera served as a judge for student presentations at the meeting.

Dr. Allen Seward, assistant professor of finance and insurance, presented "Pension Tax Expenditures and Opportunity Cost" at the annual meeting of the Southern Risk and Insurance Association held in November 1997 in Asheville, N.C.

Calvin Smith, associate professor and chair of museum studies and director of Strecker Museum Complex, conducted a tour and discussion of the student-produced exhibit and history of the discoveries of the "Waco Mammoth Site" at the John K. Strecker Museum during the recent fourth annual Community College Faculty Conference held Oct. 10.

Dr. Betty Talbert, director of spiritual formation in Truett Seminary, is serving on the Cooperative Baptist Fellowship Task Force on Spiritual Formation. She also will lead sessions on "Spiritual Formation in the Family" as a part of the "Hope For Home" Texas Baptist Christian Life Commission Conference to be held Feb. 27-28 in San Antonio.

Dr. Lynn Tatum, lecturer in religion, represented the Texas Conference of the American Association of University Professors (AAUP) at the National AAUP Conference on Academic Freedom at Religiously Affiliated Institutions held Oct. 24-26 in Chicago, Ill. He also read a paper titled "Historian or Theologian?—An Archaeologist's Observations on the Chronicler's History" at the national annual meeting of the American Schools of Oriental Research held Nov. 21 in Napa, Calif.

Dr. Daniel Wivagg, professor of biology, presented two workshops on "Developing

Manuscript Draws Scholars

Technology opens Baylor's treasure vault to world

ew people at Baylor know what's tucked away in the Central Libraries' various rare books collections, but modern technology has revealed these holdings to people around

Since 1935, Baylor's Crouch Music and Fine Arts Library has held the Mrs. J.W. Jennings Collection of Medieval Music Manuscripts and Early Printed Music.

Within the collection rests a special litany of music that has recently caused some stir among early music scholars.

The music was used for an 11th-century Catholic church service and appears to have been taken from a songbook, said Sha Towers, public services supervisor for the Crouch Library. The uniqueness of the manuscript is derived from its style of writing, which historians call Beneventan script. Writers used this type of script from the seventh to the 11th century. After the 11th century, Gregorian script evolved as the predominant style.

Researchers at the University of Cassino in Italy and the Institute for Medieval Studies in Toronto, Canada, discovered the script last year through the Baylor Libraries' web site. They requested pictures and scanned images of the music to learn more about the history of

> the piece. The two institutions have included the rare script in the next edition of Bibliografia dei manoscritti beneventana which translates to Bibliography of Manuscripts in Beneventan Hand. Towers said music writers penned early century manuscripts on animal skins, or vellum, which has helped in the preservation of the pages. "It is amazing that these documents have survived."

In 1935, Baylor obtained the Beneventan script and the rest of the Jennings Collection through a gift from Mrs. J.W. Jennings of Brownwood and the Baylor School of Music. Parts of the collection had been on display at the 1933 World's Fair. Now, through the global connections made possible by the Internet, the whole world can share Baylor's treasure. — By Vincent Carpenter

Assessment Tools Using Curricular Benchmarks: Aligning Teaching and Assessment in Anatomy and Physiology" at the annual convention of the Human Anatomy and Physiology Society held May 31-June 4, 1997, in Toronto, Canada. He also attended the annual convention of American Institute of Biological Sciences held Aug. 3-7, 1997, in Montreal, Canada.

tional entrepreneurship. He also was nominated for election to the board of governors of the Academy of Management.

Dr. Jonathan Lindsey, director of donor information and lecturer in religion, recently received triennial reaffirmation as a Certified Fund Raising Executive by the National Society of Fund Raising Executives (NSFRE). Lindsey is among 3,800 individuals nationally who have achieved this recognition out of the 17,000 members of NSFRE. Lindsey first received CFRE status in 1994.

Dr. Michael Morgan, assistant dean of Truett Seminary, was elected as treasurer of the Council of Southwestern Theological Schools.

Dr. Allen Seward, assistant professor of finance and insurance, and co-author Jan Ambrose of LaSalle University re recognized in the September 1997 issue of Journal of Risk and Insurance for their article titled "Introducing Best's Ratings into the MDA Insolvency Prediction of Property-Liability Firms," first published in the journal in 1988, which was listed as one of the 10 most frequently cited insurance academic articles during the past 15

Brenda Tacker, director of publications and University editor, was appointed president of the Central Texas chapter of the Public Relations Society of America (PRSA).

Dr. Kenneth Wilkins, professor of biology, was elected at the annual meeting of the American Society of Mammalogists held in June 1997 to serve as reviews editor for Journal of Mammalogy.

Submit "Spotlight" items by e-mail to baylornews@baylor.edu or by campus mail to

February

- 2 Monday: Staff blood pressure screening, 11:30 a.m. - 12:30 p.m., lobby, Bill Daniel Student Center
- 3 Tuesday: Dr Pepper Hour, Bill Daniel Student Center
- 3 Tuesday: Faculty blood pressure screening, 11:30 a.m. - 12:30 p.m., Harrington House
- **3** Tuesday: Faculty retreat, sponsored by the Religious Affairs Committee, featuring Dr. Bill J. Leonard, dean of the Divinity School at Wake Forest University, 12:30 p.m., Cashion 510.
- 4 Wednesday: AAUP meeting, 3:30 p.m., Bill Daniel Student Center
- 5 Thursday: Distinguished Artist Series featuring Malcom Bilson on fortepiano and Anner Bylsma on cello, 8 p.m., Roxy Grove Hall
- 7 Saturday: Start of Black Heritage Week, through Feb. 14
- Monday: Jazz Ensemble I, 8 p.m., Jones Concert Hall, McCrary Music Building
- **10 Tuesday**: Dr Pepper Hour, Bill Daniel Student Center
- 17 Tuesday: Wind Ensemble, 8 p.m., Jones Concert Hall, McCrary Music Building
- **20 Friday**: All University Sing, Waco Hall, through Feb. 21
- **21 Saturday:** Valentine's Ball with the Baylor Symphony Orchestra, 8 p.m., **Waco Convention Center**
- **24 Tuesday**: Breakfast at Baylor series, "Mediating Conflict in a Fragmented World," Dr. Kevin Barge, 7 a.m., Harrington House. Ticket price



- **24 Tuesday**: Dr Pepper Hour, Bill **Daniel Student Center**
- **26 Monday**: Jazz Ensemble II and Jazz Combos, 8 p.m., Jones Concert Hall, McCrary Music Building
- **27 Friday**: All University Sing, Waco Hall, through Feb. 28

Sha Towers

Honors & **Appointments**

Patricia Bibb, office manager for Social Science and Humanities Reference in Jones Library, was named the Baylor Libraries' "Staff Member of the Year" by Dr. Avery Sharp, dean of libraries, from the 12 "Staff Members of the Month" selected by the Libraries Paraprofessional Staff Council each month.

Rebecca DeRosa, Catalog Department in Moody and Jones Libraries, was chosen as the Libraries' "Staff Member of the Month" for January.

Dr. Richard Duhrkopf, assistant professor of biology, was recognized by the William C. Brown/ McGraw-Hill Publishing Company as one of 17 participants nationwide in a symposium on General Biology held May 28-31, 1997 in Vail, Colo., and has been named a member of its Biology Advisory Council.

Dr. Michael Frisch, associate professor of psychology, has been asked to serve as a research associate on a \$3.7 million NIH grant study on "Quality of Life, Health, and Aging" at the

University of Texas Health Science Center at San Antonio. He also was recently named guest editor of *The Handbook of Psychiatric Measures* to be published by the American Psychiatric Association.

Dr. Fred Gehlbach, professor emeritus of biology and environmental studies, was recognized at the silver anniversary meeting of the Texas Organization for Endangered Species held Aug. 5, 1997, in Temple as a charter member, third president of the organization (1974-75), and recipient of the Potter Award (1991) for efforts on behalf of conservation in Texas.

Dr. Gordon Grant, assistant professor of English, was named "Professor of the Month" for December by Baylor's Panhellenic Council.

Dr. Kevin Gutzwiller, associate professor of biology and environmental studies, became an invited member of the standing publications committee for the Cooper Ornithological Society, 1997-1999.

Dr. Duane Ireland, professor of management, associate dean for research and scholarly activity, and The Curtis Hankamer Professor of Management Journal on the topic of interna-

Entrepreneurship, was selected to serve as a reviewer for a special issue of the *Academy of* P.O. Box 97024. Deadline: 10th of each month.

February 1998

LastGlance

El Niño Leaving its Mark on Central Texas

Baylor prof predicts warm, wet winter will continue as weather phenomenon plays out

hile not amounting to a deluge of biblical proportions, the amount of rain Central Texas has experienced during the last two months has been unusually high.

Chalk it up to that Spanish-named phenomenon, El Niño, said Dr. Don Greene, professor of geology and weekend meteorologist for KXXV-TV Channel 25.

"The primary result of El Niño in terms of Central Texas is that we're having a much wetter than normal winter season," he said.

"In fact, we're in excess of a 200 percent increase in normal rainfall amounts." $\,$

El Niño is a warming of the Pacific Ocean off the coast of South America, Dr. Greene explained, which affects global air circulation patterns by strengthening a band of upper-level winds that originate in the tropical regions.

"El Niño flattens out the amplitude, or the north to south range, of the jet stream across North America," he said. "The jet stream becomes zonal, simply flowing west to east, so that cold, dry air stays in the northern tier of states and warm, wet air stays in the southern tier of states."

The end result for Central Texas is an increase in rainfall and average temperatures, although Dr. Greene cautioned that the weather patterns of an El Niño year don't preclude the occasional sub-freezing cold front from visiting our Lone Star State.

Dr. Greene also warned against connecting the weather phenomenon to broader environmental issues.

"Global warming has nothing to do with El Niño," he said.
"Early explorers of this region described weather that we now recognize as El Niño. This warmer weather is to be expected."

In fact, the regular occurrence of warm waters off the coast of Peru around Christmas had been noticed as early as the 1600s, leading to the phenomenon's being named El Niño in honor of the Christ child. But while Christmas is considered a welcome break from the hectic pace of our lives, Dr. Greene said El Niño weather can prove highly disagreeable to many groups of people and businesses.

"The construction industry doesn't like it because all the rain slows down their work," he said. "In terms of agriculture, it's considered a negative because it keeps the ground too wet for cultivation. And gardeners can expect to have their plants blossoming prematurely due to the warm, wet weather. If we have a freeze, which is probable, then the plants will die."

El Niños occur about once every seven years, Dr. Greene said, and their intensities vary. According to the National Weather Service, the 1982-83 El Niño was "the greatest ocean-atmosphere disturbance ever recorded."

Heavy rains and flooding in the Gulf Coast states that year resulted in \$1.2 billion in losses to property and agriculture and at least 50 deaths.

While Dr. Greene isn't predicting any major catastrophes, he does note that we'll have to wait a little longer than the biblical 40 days and nights for the rain to subside.

"We'll certainly have a wet spring, and experts are predicting the weather will be impacted through the summer," he said. — *By Todd Copeland*

Distinguished Alumni

Continued from page 2

Dallas. He serves as chair of the board of the Baylor University Health Care System, Baylor University Medical Center and as a board member of Dallas Medical Resources, Inc. From 1969 to

1982, Chrisman served as a judge in the probate, family and civil courts of Dallas County. He currently specializes in health care, civil litigation, probate and family law and has practiced law for more than 38 years. He earned

a bachelor of arts degree from Baylor in 1957 and a juris doctorate from Baylor in 1959.

Hillis has served as a vice president at Baylor since 1985 and was named vice president for student life in 1989. In 1994, he was named the Cornelia Marschall Smith Distinguished Professor of Biology. Hillis served John Hopkins Hospital in various leadership positions for more than 25 years and served as an officer with the United States Air Force. BN

Research Gazette

Grant Awards (December)

Dr. Corey Carbonara, Institute for Technology Innovation Management; \$2,540; Executive Education Program; R.H. Drewry Broadcasting Group

Dr. Joseph McKinney, Economics; \$2,000; The Changing Environment for Foreign Business Firms in Japan; University Research Committee

Dr. Julia Kisacky, Modern Foreign Languages; \$2,000; Ariosto Library Research in Ferrara, Italy; University Research Committee

Heidi Marcum, Environmental Studies; \$5,000; Habitat Use by Migrant & Avian Species in Central Texas State Parks: The Effects of Vegetation Structure and Human Disturbance; University Research Committee

Dr. Jill Havens, English; \$2,000; A Middle English Devotional Anthology: Oxford, University College MS97; University Research Committee

Dr. Wendy Sera, Biology; \$5,000; The Influence of Landscape Variability on the Diversity and Abundance of Mammals at Big Bend National Park; University Research Committee

Drs. Pauline Johnson, Melanie McEwen & Jacquelin Neatherlin, Nursing; \$518; School-based Management of Chronic Childhood Asthma — A Follow-up Study; University Research Committee *TOTAL AWARDED: \$19.058*

Grant Proposals (December)

Dr. Doug Ferdon, Journalism; Mayborn Scholar in Journalism; \$6,000; Frank W. Mayborn Foundation

Dr. Stephen Gipson, Chemistry; The Application of Redox Catalysis and Redox Equilibration to the Study of Formation Constants of 19-Electron Organometallic Complexes; \$191,377; National Science Foundation

Dr. Phyllis Karns, Nursing; Family Nurse Practitioner Program; \$50,000; Roy and Christine Sturgis Charitable and Educational Trust

Drs. Phyllis Karns, Pauline Johnson & Melanie McEwen, Nursing; Baylor MSN Family Nurse Practitioner Track; \$305,296; Department of Health and Human Services

Dr. Carlos Manzanares, Chemistry; Graduate Assistance in Areas of National Need-Chemistry; \$425,610; Department of Education

Heidi Marcum, Environmental Studies; The Effects of Human Recreation on Songbird Diversity in Central Texas State Parks; \$92,895; National Science Foundation *TOTAL REQUESTED: \$1,071,178*

Written Grant Inquiries (December)

Dr. Betty Conaway, School of Education; Virtual Village Project; The Hitachi Foundation

Dr. Phyllis Karns, School of Nursing; Family Nurse Practitioner Program; The Teagle Foundation, The W. K. Kellogg Foundation, Bosque Foundation, Abell-Hanger Foundation and The Pew Charitable Trusts

Dr. Marvin Lamb, School of Music; Endowed Music Scholarship; Huthsteiner Fine Arts Trust & Arch and Stella Rowan Foundation

Dr. Karla Leeper, Communication Studies; Urban Debate League, Soros Foundation

Dr. Amanda Sturgill, Journalism; Journalism Technology; The Hitachi Foundation

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