

J. CHARLES JENNETT

President Emeritus of Texas A&M International University and
Consulting Engineer and Member of the Board of Chicago Bridge and Iron N.V.

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EDUCATION

B.S. Civil Engineering, Southern Methodist University	1963
M.S. Civil Engineering (Minor in Industrial Engineering), Southern Methodist University	1966
Ph.D. (Majors in Environmental and Water Resources Engineering; Minor areas: Biology and Chemistry), University of New Mexico	1969
<u>Registration:</u> Registered professional engineer in Missouri, New York, South Carolina (Retired), Texas, Colorado and New Mexico	

PROFESSIONAL EXPERIENCE

President Emeritus	9/2001-
President	
President and Professor of Environmental Sciences Texas A&M International University	1996 to present
Member of the Board of Directors Chicago Bridge & Iron NV	1997 to present
Provost and Vice President for Academic Affairs Clemson University, Clemson, South Carolina	1992-1996
Dean, College of Engineering and Professor of Environmental Systems Engineering, Clemson University, Clemson, South Carolina	1981-1992
Associate Professor, Professor, and Chairman, Civil Engineering Department, Syracuse University, Syracuse, New York	1975-1981
Assistant/Associate Professor of Civil Engineering, University of Missouri, Rolla, Missouri	1969-1975
Instructor of Civil Engineering, University of New Mexico	1965-1968
Field Engineer, Pitometer Associates (in the United States and Canada)	1964-1965 Summer 1969
Engineer, State of California, Department of Water Resources	1963-1964

CURRENT COMMUNITY AND STATE ACTIVITIES

Southern Methodist University College of Engineering and Science Advisory Board

University of New Mexico College of Engineering Advisory Board
Texas Society of Professional Engineers Homeland Security Committee
Wimberley Village Water and Waste Water Advisory Committee
Wimberley Village Library Volunteer
Wimberley Village Library Foundation-Vice President
Wimberley Lion's Club
Wimberley Institute of Cultures-First Vice President

PROFESSIONAL SOCIETIES

American Association of State Colleges and Universities (Chair, Access and Equity Committee , member of Hispanic University Presidents Committee)
American Council on Education (Commission on Minorities in Higher Education)
Hispanic American Colleges and Universities
American Association of Environmental Engineering Professors
American Society of Civil Engineers
American Society of Engineering Education
Water Environment Federation
International Association on Water Pollution Research and Control (IAWPRC)
National Association of State Universities and Land Grant Colleges (NASULGC)
Association of American State Colleges and Universities (AASCU)
National Research Council (Commission on Life Sciences Committee on An Assessment of CDC Radiation Studies 1991-1994)
National Society of Professional Engineers
Society of Environmental Geochemistry and Health (Charter Member)
South Carolina Society of Professional Engineers
Honorary Academic Societies: Chi Epsilon; Sigma Xi; Phi Kappa Phi; Omicron Delta Kappa, Golden Key, Tau Beta Pi , Sigma Beta Gamma

Activities as President of Texas A&M International University

As President of one of the newest universities in the US, I was in charge of building an entirely new campus as well as developing the programs that are required to meet the needs of the students in the fastest growing region of the state and country. The campus is 88% minority with almost 100% of the students bilingual and more than a quarter tri or multi lingual. The border region of Laredo is the NAFTA gateway to three countries and is expanding rapidly with an unmet need for education. TAMIU is in a unique position to grow and meet the challenges of a new century and a global economy. My assignment was to make this university grow with quality. As such we were the fastest growing university in Texas over the 5 years I was President.

We received approval for 17 new BS, and BA programs, initiated the planning for a PhD program in International Business and trade (which was a pproved in 2002) and received permission to offer the PhD in Education jointly with 2 other universities. We were also expected to receive the PhD in Spanish . We developed a number of cooperative educational programs that utilized many forms of distance education including computers and television.

My responsibilities included leading the academic programs, developing the alumni programs, and developing support from industry and at the statehouse. In four and a half years as President, we received more than 10 million dollars in gifts; more than half of all the support received in the 30 years since this campus was authorized. In addition we received more than 70 million dollars in new state appropriations for a Student Center, Fine Arts Center, a Center for Western Hemispheric Trade and intramural fields as well as 4.5 million in improvements to the library collection plus in 2001 a Science Building with a Planetarium, infrastructure improvements, additional storage facilities and completion of a campus water and road loop. The private gifts have endowed 2 chairs and virtually all the endowed scholarships and fellowships at the university.

I also completed the Governor's Executive training Program; delivered over 100 addresses and testified before the Texas house and Senate on numerous occasions with the result that we received the largest increase in funding in the system.

During my administration enrollment grew at 14% per year, retention at a minority university was among the highest in the country and was the highest in Texas, and Faculty turnover became among the lowest in the state when it had been among the highest and we were able to improve faculty salaries from near the worst to the second best in the A&M system.

COMMUNITY AND STATE ACTIVITIES

Executive Board of Texas Council of Public University Chancellors and Presidents
Executive Board Association of Texas Colleges and Universities
Laredo Chamber of Commerce, Executive Committee
Laredo Manufacturer's Association
Texas A&M Press – Board Member
City of Laredo Long Term Planning Commission

ADMINISTRATIVE ACTIVITIES CLEMSON UNIVERSITY

1. As Provost and Vice President for Academic Affairs and the Chief Operating Officer responsible for the internal affairs of the University, as well as the Chief Academic Officer, responsibilities include the internal operation of the academic units of the University plus oversight on the budget. In addition, responsible for all external course offerings whether offered by television or other communication technologies. This work included interaction with all elements of the University, the South Carolina Commission on Higher Education, the State Legislature, the Chambers of Commerce, and the Agriculture Research and Extension services.

Responsibilities included oversight of academic programs for over 17,000 students (12,000 undergraduates, 5,000 graduates), 1,400 faculty, 4,000 staff and approximately 4,000 teaching assistants and temporary personnel. The current annual budget was approximately \$350M, including income from the State, tuition, approximately \$105M a year in research and the income from \$70M in

endowments. I oversee a \$360M budget for teaching, scholarship and outreach to build and maintain buildings, and to serve the educational community of the State. As Provost, I also oversaw all outreach programs including Agricultural Extension Services, and the outreach programs for Engineering, Commerce and Industry and smaller programs within all other colleges.

2. I was in charge of all planning efforts, strategic planning initiatives and quality efforts of the University, including not only the annual and five-year plans, but the long-term strategic planning to place the University at the forefront of technologically based land-grant education for the 21st Century.

As Provost, during a period of declining state support, I have led the efforts which have resulted in cutting the administrative costs at twice the rate of academic costs, reorganizing the administrative structure of the University to increase efficiency, and passed on the money saved to enhance the undergraduate educational experience of students on campus.

3. The development of Human Resources for the University has been a long-term effort. While Dean of the College of Engineering, the minority freshmen enrollment was increased from less than 2% to more than 15%, making Clemson one of the top twenty producers of minority engineers in America. This effort has been encouraged at the University level, with the development of a PEER program that has raised the retention rate of minority students in Engineering to the level of the majority of students. This program is now being copied campus wide with the same effect. A summer program has also been developed that has increased the enrollment of minority students at Clemson University from less than 1% to more than 12%. In addition, a program has been developed to send our minority master's level students to other institutions to obtain doctorate degrees and return to Clemson University to teach.
4. While Dean of the College of Engineering, I formed the first development fundraising plan for the College of Engineering, raising annual giving from \$140,000 a year to more than \$5M a year. In addition, I led the effort that resulted in an increase from 0 professorships to 23 endowed professorships and chairs (including one currently held by a professor in the English Department), plus the \$5M endowment of the Gil Robinson Ceramic Engineering Department, the \$1M George Bishop Ceramic Engineering Research Building, and the Fluor Daniel Engineering Innovation building. I also developed a very innovative cooperative program with Chemical Waste Management (now Rust Environmental), which resulted in the building of a 40,000 square foot Environmental Engineering Research and Educational building, in development of a joint cooperative research program at the Research Park which resulted in the location of the entire research arm of Rust Environmental at Clemson and at a similar \$10M research facilities. During the same period of time, the College of Engineering went from total research funding of \$3M to more than \$25M a year. While lowering administrative personnel by 25% and cutting administrative space requirements by

25%, the graduate enrollment quadrupled and the national visibility of the College was greatly enhanced.

I also served on numerous state and National committees including:

Member of Vision 2005 - Economic Development Committee (Greenville Chamber of Commerce)

Member of Strategic Planning Committee (Directs implementation of Strategic Plan)

Member and Chairperson of The University Center of Greenville Board of Directors

Member of the South Carolina Commission on Higher Education Subcommittee on Distance Learning

Member of the Academic Council charged on the Commission of Undergraduate Studies and Graduate Studies in Research

Member of the Search Committee for the Dean of the College of Sciences.

Director of the Energy Center, Housing Council, South Carolina Water Resources Research Board

Member of the Southeastern Consortium for International Development (through the College of Agriculture). Member of the Search Committee for the Vice President for Institutional Advancement

Member of the Search Committee for the Assistant Dean for International Programs and Services

Member of the Search Committee for Vice President of Development

Member of the Task Force on Undergraduate Education, Clemson University's Strategic Planning Committee

Member of the South Carolina Water Resources Board

Developed 3/2 Liberal Arts/Engineering programs between Clemson and numerous colleges and a 4/1 program leading to the Bachelor of Science degree in engineering and a master of science degree in Industrial Management

Member of the President's Leadership Development Council

Council of Presidents - Committee on Statewide Planning

Council of Presidents - Chairman, Chief Academic Officers Advisory Committee

Atlantic Coast Conference (ACC) - Chairman, Chief Academic Officers Council

University representative, Southern Association of Colleges and Schools, Commission on Colleges

National Football League Education Advisory Board

ADMINISTRATIVE ACTIVITIES AT SYRACUSE UNIVERSITY

From 1976 to 1981 I was chairperson of one of the oldest Civil and Environmental Engineering departments in the U.S. I headed my own research team funded by grants from numerous federal agencies principally NSF. I also taught 2-3 courses per semester in the College of Engineering and on occasion Liberal Arts (environmental ethics)

AREAS OF PROFESSIONAL EXPERTISE

Includes industrial waste treatment, particularly toxic metal-containing wastes, mining wastes and nuclear wastes; extensive work on anaerobic waste treatment systems and environmental impact abatement studies of mining regions.

HONORS

University of New Mexico Rodey Award in recognition of an outstanding career in education. 1998.

University of New Mexico, College of Engineering Outstanding Civil Engineering Alumnus, 1992

Outstanding Engineer of the Year for 1990, South Carolina Society of Professional Engineers, Piedmont Chapter, February 1990.

Received "Distinguished Alumnus Award," Department of Civil Engineering, University of New Mexico, May 1987.

Named Fellow by American Society of Civil Engineers, 1986.

Named to Tau Beta Pi National Engineering Honorary Society, Clemson Chapter (Alpha), 1984.

Named "Educator of the Year" by the Piedmont Chapter, South Carolina Society of Professional Engineers, February 26, 1983.

Chapter Honor Member, Chi Epsilon Honorary Fraternity, Clemson University, April 15, 1982.

Diplomate, American Academy of Environmental Engineers - Invited, 1978.

Listed in: American Men of Science; American Men & Women of Science; Who's Who in American Education; Who's Who in the United States.

Winner - Smith and Lovelace Fellowship.

Member - Chi Epsilon Honorary Civil Engineering Fraternity.

Member Sigma Xi Honorary Fraternity - Phi Kappa Phi Honorary Fraternity. Visiting Researcher, Applied Geochemistry Research Group, Imperial College, United Kingdom, May-June (1977).

Missouri Outstanding Young Engineer of the Year (1974), Missouri Society of Professional Engineers.

Young Engineer of the Year, Rolla Chapter, Missouri Society of Professional Engineers.

Elected Outstanding Teacher, University of Missouri-Rolla, 1969-70 and 1974-75.

Member Sigma Beta Delta-College of Business Honorary

FUNDED RESEARCH

Directed or Co-Directed 24 funded research projects totaling \$6 million from 1969 to 1996. In addition I was effective at attracting a 10 million dollar environment research facility funded from industrial sources, a 3 million dollar ceramic research facility and several other similar operations that resulted in the formation of the Clemson research park

PAPERS Author of 55 papers, co-author of 4 book chapters, and 12 reports.