

UH System

PERSPECTIVES

Volume 5, Number 4

December 1982



UH chemical engineering program is ranked first in South, in top 10 nationally

The Department of Chemical Engineering at the University's Cullen College of Engineering has been ranked first in the South and among the top 10 chemical engineering departments nationally in a report compiled by the Conference Board of Associated Research Councils.

The department, part of the UH Central Campus, was also singled out as the most improved chemical engineering department in the nation over the past five years.

Released in the December 1 issue of *The Chronicle of Higher Education*, the study examined more than 300 engineering programs across the nation in four engineering disciplines: chemical, civil, electrical and mechanical engineering. The four criteria used to assign rankings were faculty quality, program improvement, effectiveness in producing research scholars and scientists, and familiarity of the program nationwide.

While the study did not attempt to assign overall rankings to chemical engineering departments, the four ratings assigned to the UH chemical engineering program were

the best of any such department in the South and Southwest.

The UH chemical engineering department was rated eighth for faculty quality, first for program improvement, eighth for nationwide familiarity, and 13th for effectiveness in producing research scholars and scientists.

In faculty quality, UH was exceeded only by the University of Minnesota, University of Wisconsin-Madison, University of California-Berkeley, California Institute of Technology, Stanford University, University of Delaware, and Massachusetts Institute of Technology.

"We are very pleased with this study," said Dr. Dan Luss, chairman of the chemical engineering department. "The department has made a concerted effort to attract and retain top faculty, such as Dr. Neal Amundson, and students as well as to develop excellent ties with the Houston petrochemical industry."

There are more than 350 undergraduates and 125 graduate students enrolled in the chemical engineering department.

Budget Board reviews appropriations for UH

The State Legislative Budget Board has recommended a total of over \$325 million in appropriations to all components of the UH System for the 1984-1985 biennium.

The recommendations will be considered by the State Legislature next year when it meets to determine appropriations for all state institutions.

The board's recommendation for the biennium for the UH System includes over \$275 million for educational and general operations; over \$27 million in new construction; over \$18 million in repair and rehabilitation; and almost \$5 million in special items.

The breakdown by components is as follows:

Educational and General

	1984	1985
UH System	\$ 2,456,596	\$ 2,609,172
UH Central Campus	101,169,299	108,846,696
UH Clear Lake City	15,798,292	17,190,579
UH Downtown College	10,693,305	11,556,783
UH at Victoria	2,615,285	2,815,511

New Construction

UH System Administration Bldg.	9,804,000	
UH Central Campus Architecture Bldg.	17,365,000	

Repair and Rehabilitation

UH Central Campus	4,207,000	2,259,500
UH Clear Lake City	507,000	
UH Downtown College	9,941,600	1,126,000

Special Items

UH System (Woodlands Planning)	200,000	
UH Central Campus	2,546,732	1,023,640
UH Clear Lake City	295,000	323,500
UH Downtown College	206,356	86,356
UH at Victoria	150,775	80,367

Superior students win Cullen scholarships

The four campuses of the University have awarded Cullen Centennial Leadership Scholarships to 30 outstanding students for the 1982-83 academic year.

The scholarships were presented by UH for the first time this fall and honor Hugh Roy Cullen, oilman, civic leader and philanthropist, on the 100th anniversary of his birth. Mr. Cullen was a longtime benefactor of UH and his family continues the tradition of generous support of the University.

The \$1,000 awards were given to the students based on their SAT/ACT scores, academic records and leadership activities.

The Cullen Leadership Scholarships are renewable for three additional years. Acceptance of the scholarship does not jeopardize the recipient's eligibility for additional academic scholarships and/or financial aid.

The average SAT score for the 30 recipients was about 1,300 and the average grade point average was over 3.5. Many of the students are National Merit finalists or semi-finalists.

The 1982-83 recipients include 19 freshmen students at the Central Campus, five freshmen at the Downtown College, five juniors at the Clear Lake City Campus, and one junior at UH at Victoria.

For further information on the Cullen Centennial Leadership Scholarships, contact:

- Dr. John Ettl, University Honors Program, UH Central Campus, 749-3694;
- Dr. Clinton Jones; vice chancellor, UH Downtown College, 749-1011;
- Jo Anne Greene, assistant director of financial aid, UH at Clear Lake City, 488-7170; or
- Jo Campbell, student life coordinator, or Marie Alaniz, financial aid counselor, UH at Victoria, (512) 576-3151, extension 417.

Visiting architects explore "Texas style" as part of Texas Studio program

Four international designers and architects are participating this year in the Texas Studio, a graduate program initiated last year in the College of Architecture at the UH Central Campus.

The visiting critics are spending one week on campus to work intensively with top graduate architecture students while exploring unusual aspects of Texas architecture.

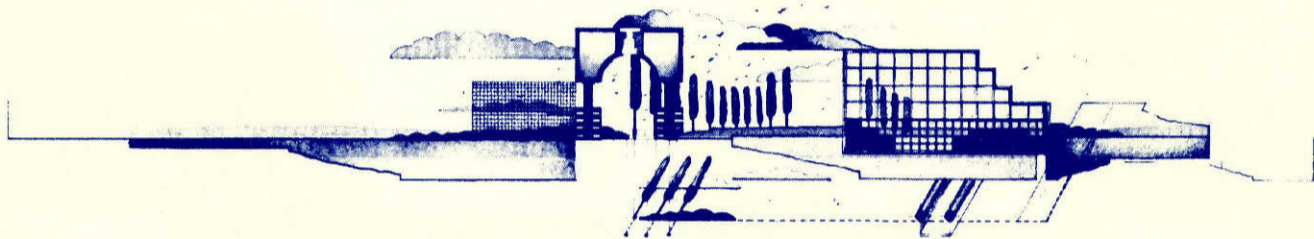
Arata Isozaki, a Japanese architect who designed the Gumma Museum in Japan and is considered one of the most prestigious international architects, will teach February 15-21.

The series opened this fall with instruction by Charles Moore, professor of architectural/urban design at the University of California at Los Angeles, last September 8-12. He is known for his design of the Piazza de Italia in New

Orleans and has been commissioned by the Houston Municipal Arts Commission to replan the northwest quadrant of Hermann Park. He also led students on a three-day field trip in Texas in early October.

Ian McHarg, dean of the University of Pennsylvania Landscape School and the original planner of The Woodlands, worked with students September 20-26; and Michael Graves, professor of architecture at Princeton University and designer of the controversial Humana Office Building in Louisville, KY, and the federal building in Portland, OR, participated October 25-30.

Architect Peter Zweig, associate professor and developer of the Texas Studio, explains that the program is designed to increase students' understanding of Texas regional architecture and the concepts of principle and style.



This illustration of a residential/commercial complex by Richard Ferrier, associate dean and professor at the University of Texas at Arlington School of Architecture, is an example of his concept of a design especially suited to the Texas landscape. Dr. Ferrier was a guest architect in the Texas Studio program earlier this year.

UH energy lab designs solar power tower

Due in part to a major research effort at the University of Houston Central Campus, the nation's first solar power tower plant, Solar One, has been completed and was dedicated November 1 in Barstow, California.

The UH Energy Lab pioneered the solar power tower concept in the United States, and Dr. Alvin Hildebrandt, director of the Energy Lab, and Dr. Lorin Vant-Hull, head of solar thermal research, have directed the Energy Lab's design work on Solar One since the project's inception.

The U.S. Department of Energy has controlled development of Solar One in collaboration with McDonnell Douglas, Southern California Edison, and the UH Energy Lab. The 10-megawatt plant feeds electricity to Southern California Edison's Los Angeles power grid.

Solar power towers reflect solar energy off an array of carefully placed mirrors (heliostats) to a central receiver tower, which operates like a boiler. The steam generated by the boiler drives a turbine which produces electricity.

Solar power towers can supply a significant portion of current and future power needs in the growing Southwest, according to Dr. Vant-Hull, and by the year 2000, they may compete with water towers as landmarks throughout the region.

UH Central Campus Energy Lab researchers are following up the solar power work with retrofitting and repowering studies of utility and manufacturing plants throughout the Southwest, extending the life of the plants by replacing their traditional fuel supplies with solar energy units similar to that of Solar One.

Hildebrandt and Vant-Hull are certain of one result from this research; solar power towers can supply energy to the growing desert Southwest by 1990 and have a significant impact by 2000.

IIBA checks outlook on foreign markets

The international business market is the focus of a new center which recently began operation on the UH Central Campus.

The Institute for International Business Analysis (IIBA) has been established to analyze international business dealings and to measure the risks involved in investing or expanding in a given foreign market. Currency devaluations, capital movement restrictions, and changes in investment climates or laws are closely monitored by the IIBA, which is directed by Dr. Thomas O'Brien, assistant professor of history.

Small businesses which cannot afford to employ their own analysts to study foreign markets can benefit from the IIBA, according to Dr. O'Brien.

The institute, a joint undertaking of the College of Humanities and Fine Arts and the College of Business Administration, received funding and opened its doors last August. Dr. O'Brien and Dr. Steve Wyatt, assistant professor of finance and associate director of the IIBA, are currently gathering data, purchasing computer hardware, and planning several seminars to business leaders next semester.

The Advisory Council for the institute is made up of members of the academic administration in the humanities and business as well as two representatives from the business community: John Cogan, Jr., a partner with Baker and Botts who is a specialist in international law; and William (Sandy) Smith, a partner with Peat, Marwick, Mitchell & Co. with expertise in international accounting and taxation.

According to Dr. O'Brien, UH is a prime setting for the IIBA because there are experts on dozens of countries located on campus. Combining this expertise makes the IIBA uniquely qualified to fulfill the international information needs of area businesses.

Houston Endowment, Inc. makes two gifts to UH

Two scholarship programs at the University of Houston recently received gifts totaling \$110,000 from the Houston Endowment, Inc.

A grant of \$50,000 from the endowment was made to the Cullen Leadership Scholars Endowment Fund of the UH Foundation. The remaining \$60,000 is to be used to support an endowed scholarship fund in memory of the late Mr. and Mrs. Jesse H. Jones at the UH Downtown College, which received \$50,000, and a scholarship fund at UH at Clear Lake City, which received \$10,000.

The \$1,000 Cullen Leadership Scholarships are awarded each year to outstanding high school and junior college students. They are continued on an annual basis as long as the recipients maintain full-time student status and a specified grade-point average.

In a letter acknowledging the Houston Endowment's gifts to the University, UH President Charles E. Bishop noted that the Cullen Leadership Scholars Endowment Fund is an important UH program because the earned income from the fund enables the University to attract and retain outstanding young men and women whose college careers may be dependent upon the scholarships.

The UH Downtown College endowed scholarships are named in honor of the late Jesse H. Jones, Houston financier and publisher of *The Houston Chronicle*, and his wife, Mary Gibbs Jones. The Houston Endowment is a charitable trust established by the Joneses.

At the Downtown College, the contribution will be used to award scholarships during the fall and spring semesters to outstanding UHDC students. Women selected for their academic and leadership achievements will receive scholarships generated from the endowment in the name of Mary Gibbs Jones; male students who are chosen will be awarded scholarships in the name of Jesse H. Jones.

United Way donations are announced

The University of Houston raised a total of \$41,843 in donations to the United Way through the 1982 campaign, which concluded recently.

Employees at the Downtown College posted the largest percentage gain over last year's contributions; the total for the college is 19 percent higher than last year's total. The UH System Administration had a gain of 18 percent, and UH at Clear Lake City employees contributed 16 percent more than they did in 1981. UH at Victoria increased donations by 7 percent.

Total donations by campus were:

UH System	\$ 4,850
UH Central Campus	22,000
UH at Clear Lake City	4,591
UH Downtown College	9,186
*UH at Victoria	1,216
Campaign Total	\$41,843

*UH at Victoria participated separately in the Victoria campaign for the United Way.

UH members can save time and money

An expanded selection of items is now available for faculty and staff members to purchase through the Inventory Improvement Program implemented recently by the Administrative Services of the University.

Items such as name tags, self-adhesive labels, Samsonite briefcases, paper plates and napkins have been

added to the Central Stores Stock Catalogue.

"We're getting a very good response to the program," said Thomas Warren, director of Administrative Services. He added that the expanded catalogue can provide quality products at considerable savings of both time and expense. Faculty and staff members can expect next-day service, even with bulk orders, when using the Central Stores catalogue. Items ordered through Central Stores are often available at lower prices than outside retailers offer.

The need for inventory improvement arose from the Administrative Services' desire to meet the needs of UH personnel. "We wanted to meet the supply needs of the faculty and staff and to provide them with an alternative to ordering from outside vendors at higher prices," stated Warren.

Faculty and staff members are encouraged to submit suggestions of frequently used items to Jim Cook, manager of Central Stores, Lawndale Annex (749-3471). Later phases of the Inventory Improvement Program will result in an even wider selection of goods becoming available through Central Stores.

UH president expresses thanks to employees

President Bishop wishes to thank all employees of the UH System administration and the UH Central Campus who participated in the 1982 Blood Drive, as well as those who were deferred for medical reasons. These generous acts of compassion are greatly appreciated by the University and blood recipients. The breakdown of participation is as follows:

October 12			
Hofheinz	14		
Oberholtzer Hall	29		
University Center	58	101	
October 13			
University Center	85		
Optometry	84	169	
October 14			
University Center	80		
System Administration (Bank Building)	17		
Krost Hall	10	107	
October 15			
General Services Building	20	20	397

There was a total of 44 deferred for medical reasons and 4 short units, for a grand total of 445 participants.

The remaining three UH campuses participate in blood drives periodically during the year.

Connally to speak at UH dinner

The Honorable John B. Connally, former governor of Texas, will be the principal speaker at the second annual University of Houston Foundation Appreciation Dinner, Friday, January 21.

Major donors to the University will be honored at the event, which will celebrate UH's 20 years as a state-supported university and will be held at the Continuing Education Center, UH Central Campus.

The UH Foundation is a separately chartered foundation which exists solely to benefit the University. Now in its third decade of service, the UH Foundation has been responsible for tens of millions of dollars in contributions to UH.

From its beginning, the UH Foundation has had leading citizens for trustees. Four charter trustees, Roy Henry Cullen, Ray L. Dudley, Lamar Fleming, Jr., and Frank C. Smith, joined former Board of Regents chairman, the late Colonel W. B. Bates, in launching the UH Foundation on a path of success which continues today.

Around the campuses

Dr. Mitchell Aboulafia, UHCLC assistant professor of humanities and philosophy, has recently had his book, *Self-Winding Circle: A Study of Hegel's System*, accepted as part of the Modern Concepts of Philosophy Series. Founding editor of the series is Marvin Farber, and its publisher is Warren Green, Inc. of St. Louis.

Dr. Jack H. U. Brown, UHCC professor of biology, has been notified that his 25th book, *Management in Health Care Systems*, will be published by CRC Press of Boca Raton, Florida, early in 1983.

Warren L. Baker, director of the UHDC Energy Information Service, received the Founders' Award from the International Association of Drilling Contractors at the organization's annual meeting in Washington, D.C. One of three recipients of this first-time award, Baker served for 17 years as the group's executive vice president and received the award in recognition of his "outstanding service to this association during its formative years."

Dr. Robert S. Erikson, UHCC professor of political science, has been named editor of the *American Journal of Political Science*, the official publication of the Midwest Political Science Association, for the next two years. The journal, one of the most prestigious political science journals in the nation, accepts articles for consideration for members of all areas of the political science profession.

Dr. Peter Jurtshuk, Jr., UHCC professor of biology, has been awarded the 1982 Distinguished Service Award by the Texas branch of the American Society for Microbiology. The award, which recognizes service and contributions to microbiology within Texas, was presented at the semi-annual meeting of the group in Lubbock. Dr. Jurtshuk, an 18-year member of the Texas branch, served as its president from 1972 to 1974 and is now serving his last term as councilor to the American Society for Microbiology.

Dr. Allen Haney, UHCC professor and chair of the sociology department, and **Elizabeth Gear**, former UHCC graduate student, have completed a one-of-a-kind study that produced an estimate of the Houston area's handicapped population and looked at the quality of life and attitudes. The findings suggest that the greater Houston area is responsive to the needs of its handicapped population.

Frank Keller, UHCLC professor of finance, was elected president-elect of the Financial Management Association Honor Society at the annual meeting of the FMA in San Francisco. FMA is the nation's largest financial association composed of both educators and business people, and the honor society has chapters in all 50 states.

KUHT and KUHF, the public television and radio stations licensed to the UH System, recently co-hosted, with KTSU and KPFT, the Houston Minority Business People Colloquy. Held at the UH Central Campus, the regional colloquy was sponsored by the Corporation for Public Broadcasting's Human Resources Development office and sought to encourage more minority involvement in public broadcasting by increasing knowledge of its services and benefits. The one-day discussion involved a select group of minority business leaders who looked at the issue of public broadcasting and its future.

Dr. Tom Oren, UHDC assistant professor of arts and humanities, is now serving as editor of *Humanities in the South*, a newsletter of the Southern Humanities Conference. Published bi-annually, the publication features scholarly articles, reviews, and conference reports relating to the humanities. Although its focus is southern, the newsletter has a circulation of 12,000 that extends throughout the U.S. and many other countries. Serving as associate

editors for the publication are **Dr. Merrilee Cunningham** and **Dr. Don Elgin**, UHDC associate professors of arts and humanities.

Robert Walsh, acting chair of the UHDC criminal justice department, was elected vice president and president elect of the Southwestern Association of Criminal Justice Educators during that organization's fall meeting in Dallas.

Dr. Michael W. O'Neill, UHCC associate professor of civil engineering, has been elected chair of the Deep Foundations Committee of the American Society of Civil Engineers for 1982-84. The committee sponsors symposia at national meetings of the society, develops research needs documents, is involved in technology transfer activities, and develops technical publications in its subject area.

UH issues are topics for System committees

Appointments to several University of Houston System committees have been announced by UH President Charles E. Bishop. UH graphics and signage, fringe benefits, employment of handicapped citizens, personnel matters, and equal opportunity will be examined by committee members.

Charged with reviewing the existing graphics program and recommending changes and improvements, the UH System graphics and signage committee was recently re-organized into a smaller group. Representatives appointed to the new group are Ted Montz (chair), Farris Block, and Parker Floyd, UH System; Dr. Patricia Teed and Steven Holton, UH Central Campus; Mary Kegg, UH at Clear Lake City; Guy Brown, UH Downtown College; and Deborah Wilkins, UH at Victoria.

The UH System Fringe Benefits Committee will address mutual fringe benefits matters among the UH components. Members include Julie Norris (chair), Dr. Richard Bean and Robert Hornsby (ex-officio), UH Central Campus; Alzina Fontenot and Dr. George Huxel (ex-officio), UH System; Richard Holgin, UH Downtown College; Marian Rocha, UH at Victoria; and Mary Ann Shallberg, UH at Clear Lake.

The purpose of the UH System Committee on the Handicapped is to implement a system-wide plan for providing equal opportunity for the handicapped at UH. Representatives are Alzina Fontenot (chair), UH System; Si Brown, UH Central Campus; Judith Isaacson, UH at Clear Lake; Ted Johnson, UH Downtown College; and Dr. Beatrice Reynolds, UH at Victoria.

Chief personnel officers at each component of UH, appointed to the UH System Personnel Officers Committee, will meet to address mutual personnel matters. Members are William Hayes (chair), UH Central Campus; Hugh Avery (vice chair), UH at Clear Lake; Alzina Fontenot, UH System; Richard Holgin, UH Downtown College; and Marian Rocha, UH at Victoria.

Members of the UH System Administration Equal Opportunity Committee are charged with assisting in the development and administration of the UH System Administration Equal Opportunity/Affirmative Action Program. Representatives are Dr. Carla Cooper (chair), Farris Block, Betty Brown, Sheila Cotrofeld, Hugh Ferguson, Flor Garcia, Chauncey Jackson and Alzina Fontenot (ex-officio as equal opportunity officer), UH System.

Perspectives

Perspectives is published monthly by the UH System University Relations Office. Executive Director: Farris Block, 749-4147. Editor: Merry McCrimlisk.

The University of Houston seeks to provide equal educational opportunities without regard to race, color, religion, sex, age, national origin, handicap, or veteran status.

This policy extends to all programs and activities supported by the University.