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Engineering School Reports 24% Enrollment Hike

The water table is dropping but the trajectory of engineering enrollment at WU is straight up. Some 885 full-time undergraduate students registered in the School of Engineering and Applied Science this fall. That’s a 24 per cent increase over last year when 712 enrolled. At the graduate level, the growth rate is not nearly as dramatic, but it is also moving in a vertical direction—348 as compared with 336 last year for a 3 per cent increase. The result is the highest total engineering enrollment since 1958, according to H. Boulter Kelsey, Jr., assistant dean in the engineering school. Why?

Engineers fresh out of school can command an excellent starting salary—about $14,200 on the average, Kelsey said. Chemical engineers can expect about $400 more because of the competition for their services among the large petrochemical corporations. Salaries are so enticing for those with a BS degree in engineering and job opportunities are so plentiful that many undergraduates are opting for immediate employment instead of going on to graduate school, he added. These phenomena account, in some measure, for the less steep increase in WU graduate engineering enrollment. But they are not solely responsible for the School of Engineering’s bullish situation.

“For about a decade now,” Kelsey said, “we have placed 100 per cent of those WU engineering graduates who sought employment through our placement office.” That includes about 50 per cent of each senior class. The other half either enrolled in graduate school or chose some other option.

Engineering school graduates sometimes elect to become physicians. In 1975, some 85 per cent of WU students who earned an engineering degree and applied for medical school were accepted; this past spring, 100 per cent were admitted.

“That isn’t so surprising,” Kelsey continued, “when you understand that

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Luecke Appointed Vice Chancellor For Services Area

David S. Luecke, Associate Vice Chancellor for Educational Services at WU, has been named Vice Chancellor for University Services, Chancellor William H. Danforth announced recently.

“Vice Chancellor’s” at WU, which will now report to Luecke, are business affairs, student affairs, maintenance, health services and the international office, in addition to the offices of the registrar, admissions, financial aid, placement, counseling and special educational services which he has directed as Associate Vice Chancellor. Luecke’s appointment was made following the death of Carl A. Dauten, who had been Executive Vice Chancellor for the past seven years. In that position, Dauten had shared with the Chancellor the basic responsibilities for administrative, academic and budgeting matters. Dauten died Friday, Sept. 17, after having been seriously ill with cancer since last July.

The Chancellor said Luecke’s appointment is one in a series of actions to divide responsibilities logically following the loss of Dauten. He termed Dauten virtually “irreplaceable.” Drawing on his 30 years of experience at the University, “Carl Dauten was in a unique position to handle academic appointments one minute, details of administration the next,” he said.

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(Continued on page 4)
Perseverance, Motivation Characterize University College Students

From the city, from the county, and sometimes even from as far away as Kansas City, they drive to class as evening falls, beginning the second part of their day at a time usually reserved for relaxation.

Marie Nolan Zubatsky, WU assistant personnel officer, spent four years earning her 1956 degree in education and psychology. She commuted 70 miles from her House Springs, Mo., home, where she was teaching.

"I'd roll down the car windows, play the radio, anything to keep awake when I got tired. It was often exhausting, but I had seen the necessity for a degree," she recalls.

The 2500 students of University College, the evening division of WU, represent a great variety—spanning the age, racial and socio-economic spectrums.

There is no such thing as a typical night school student. Dean John B. Ervin says that "it is difficult to compile a profile of the continuing education student that applies to everyone." And Andrew Thomas, associate dean, agrees that each returning student resumes his education to match his individual needs.

Still, most University College students share a certain set of life circumstances. Ervin, who has served as dean for eight years, said that the majority of students return after a lengthy period following high school. Usually, students are unable to make a full-time commitment, because they are working full-time, are often married and are supporting families.

There exists another common denominator to distinguish the night student—he or she must be highly motivated. "Our students are imbued with a clear sense of why they are in school. They are willing to make the long-term investment, sometimes taking up to 10 or more years to earn their degrees," said Ervin. (He will resign his post in June, 1977, to accept a position as vice-president of the Danforth Foundation, concentrating on urban affairs and minority recruitment of graduate students for Danforth Fellowships.)

It is written in the history of Alpha Sigma Lambda, the national evening honor society established on campus in 1960, that "The sincere evening student drives a life troika drawn by home, job and school. The road is tangled with job transfers, illnesses, finances, births, deaths, . . . and every other human experience."

To brave such an obstacle course is accomplishment enough. But 300 past and present University College students have jumped the hurdles while managing to achieve academic excellence, qualifying them for membership in Alpha Sigma Lambda, the evening student's corollary of Phi Beta Kappa.

To qualify, students must earn a minimum of 30 credit units from University College over four semesters. They must be currently enrolled, with 15 credit hours earned outside their area of concentration. The minimum grade point requirement is 2.2 on a 3 point grade scale.

"Alpha Sigma members start out demonstrating that evening students can qualify as above average scholars," Dean Ervin said. "But they bring with them a kind of human concern to help all of their fellow students. In this sense, while the organization is an honor society, it functions much as a collegiate service club."

The society sponsors an annual fall lecture series, open to the public. Funds from the lectures are used to establish continuing education scholarships administered by WU's financial aids office.

Most University College students and alumni speak favorably of their night school experience. Success breeds success, and large numbers continue graduate and professional studies.

A commercial methods supervisor at Southwestern Bell Telephone Company, Louise DeHart, who completes her psychology degree in June, 1977, after 12 years of study, says that "work and school are two different worlds. School has been my tension reliever. I'm really going to miss it." She is a past president of the honor society.

Stephen Hood, 1973 business graduate, compiled a straight A record while juggling classes three nights a week and studying at Olin Library the other two nights. His record led to acceptance at Harvard Business School, where he earned an MBA. Today, he is an account manager for the Joseph T. Ryerson Company.

Rocly Eibert, a 1974 honor graduate in psychology, recently wrote Dean Ervin telling him of his acceptance as a medical student at the University of Missouri. And Edsel A. Hatfield, manager of personnel, industrial relations and safety for the Coca-Cola Bottling Company in the St. Louis area, credits his University College experiences with motivating him to pursue an MBA at Southern Illinois University. "I came to school in 1962, intending to pick up a few management courses. But exposure to the educational process led me to continue studying, and I got my degree in 1971 from University College."

Mandy Kleymen Messer, a 1974 psychology graduate and current president of Alpha Sigma Lambda, is working on her master's degree in human services at Webster College. A vocational counselor with Youth Opportunities Unlimited, Inc., she is concentrating on raising money for the scholarship fund to help students go to school. Active in Alpha Sigma Lambda since her initiation in 1973, she states one of her goals is "seeing the honor society achieve greater recognition, both on and off campus."
there is no such thing as a pure pre-
medical course of education per se. It's 
true that would-be doctors must take 
certain prescribed courses. But a stu-
dent can satisfy these requirements 
while enrolled in the engineering 
school. The same chemistry classes, for 
instance, can be used as pre-
professional training for either dis-
cipline."

More and better paying jobs are, 
however, a major part of the explana-
tion for soaring engineering enroll-
ment, Kelsey believes. "Nowadays, a 
larger proportion of high school 
grads are more vocationally 
oriented. They are looking at higher 
education as a vehicle to a professional 
career. We wanted 200 freshmen this 
year—we admitted 212—a dozen less 
than last year," he said. "At the same 
time, we enrolled a far larger number 
of transfer students at the un-
dergraduate level."

Kelsey added that the "three-two 
program" also was a major influence. 
"This five-year program enables a stu-
dent to graduate with two degrees— 
one from a school with an arts and 
sciences program and the other from 
WU's School of Engineering and 
Applied Science. Some 96 colleges of arts 
and sciences are now cooperating with 
us with the result that we enrolled 48 
students in this program as compared 
with 17 last year."

Chemical engineering has the largest 
enrollment among all the engineering 
specialties. "High school students iden-
tify with chemistry—they are not 
always quite sure what engineering is, ", Kelsey said. "Mechanical engineers are 
in shortest supply because the whole 
spectrum of American business uses 
mechanical engineers."

The WU School of Engineering does 
not intend to increase in size in the near 
future. "Our student-faculty ratio is 
about 9 to 1," Kelsey said, and that's 
where we intend to keep it. We are go-
ing to control our enrollment by 
becoming more selective in our admis-
sions requirements. 
"It may be a bit more difficult to at-
ttract graduate students because 
funding for research is not as favorable 
nationally as it once was. But we still 
continue to do very well. In research 
grant income per faculty member, we 
rank 14th among 228 institutions."

(Dorothy Brockhoff)

The WU Record is published weekly 
during the academic year by the Infor-
mation Office. Editor, Janet Kelley; 
calendar editor, Charlotte Boman. Ad-
dress communications to Box 1142.

Along with their entrees, Whittemore House guests 
will be served new menus designed by students par-
ticipating in the School of Fine Arts Sophomore 
Graphics Communication Project. The majestic 
grandfather clock that stands in the main hall of 
Whittemore House is reproduced on the above 
menu with a winter theme, designed by Eileen J. 
Liehman. Three other designs, summer and spring 
menus designed by Sara Buscemi, and a fall 
menu by Bonnie Herman, were also chosen from 
over 60 entries.

THE WU ASSOCIATION will 
again present a film travel lecture series 
on eight Friday evenings at 8:15 p.m. 
beginning October 1 in Graham 
Chapel. The series consists of 
documentary color films accompanied 
with lectures by the filmmakers, all 
widely-traveled leaders in their fields. 
Subscription passes are $14 double 
enrollment; $8.50 single enrollment. 
Checks may be mailed to Marilyn 
Pryor, Box 1099, WU. For further in-
formation, telephone ext. 4261.

JAN FONTEIN, acting director of 
the Museum of Fine Arts, Boston, will 
present an illustrated lecture on 
"Borobudur, Past and Present," 
Thursday, Sept. 30, at 8:15 p.m. in 
Steinberg Auditorium. Borobudur, 
located in Java, is a Buddhist monu-
ment dating from the eighth or ninth 
century A.D. Fontein will explain the 
function and symbolism of Borobudur 
as a three-dimensional encyclopedia of 
the Buddhist faith. The Asian Art 
Society of WU and the WU Depart-
ment of Art and Archeology are spon-
soring the talk. It is free and open to 
the public.

ALICE HANSON JONES, WU ad-
djunct professor of economics, was 
selected vice president of the Economic 
History Association at a recent meeting 
of the association at Princeton Univer-
sity. The incoming president is David 
S. Landes of Harvard.
Calendar
October 1-7

FRIDAY, OCTOBER 1
8 p.m. Mississippi Valley Folk Festival Lecture, "French Traditions in the Mississippi Valley: An Opening Discussion." (See schedule on page 3.)

10 p.m. Mississippi Valley Folk Festival "Fais-do-do," or dance party. (See schedule on page 3.)

SATURDAY, OCTOBER 2
8:30 a.m.-3 p.m. Alumni Association, Alumni Board of Governors Fall Meeting. Beaumont Lounge, Mallinckrodt Center.

12 noon. Mississippi Valley Folk Festival Crawdad race and beauty contest. (See schedule on page 3.)

8:30 p.m. Hillel & Israel Affairs Committee sponsor a kumsitz, with singing, dancing and food. Hillel.

SUNDAY, OCTOBER 3
1 p.m. Mississippi Valley Folk Festival Tour to Ste. Genevieve and Old Mines, Mo. (See schedule on page 3.)

MONDAY, OCTOBER 4
4 p.m. Department of Chemistry Seminar, "Asymmetric Catalysis in Oxidation Reactions," Hans Wynberg, chairman of the department of chemistry, U. of Groningen, Netherlands. 311 McMillen Lab.

TUESDAY, OCTOBER 5
4 p.m. Division of Biology and Biomedical Sciences seminar, "The Structural Organization of Ribosomal DNA in Xenopus and Drosophila," Igor B. Dawid, professor of embryology, Carnegie Inst. of Washington. 213 Rebstock.

8:30 p.m. School of Architecture, "The Competition for the French Embassy, Washington, D.C."
Fred Koepper, prof. of architecture, Yale. Steinberg Auditorium.

WEDNESDAY, OCTOBER 6

2 p.m. Department of Systems Science and Mathematics seminar, "Estimates of Reliability for Complex Systems," Asit P. Basu, chairman of the department of statistics, U. of Mo., Columbia. 100 Cupples II.

THURSDAY, OCTOBER 7


SPORTS
FRIDAY, OCTOBER 1
9 a.m.-5 p.m. Women's Tennis, 61st Annual Dorothy McClure Memorial Tennis Tournament, Fri. & Sat., at Milikin U., Decatur, Ill. Finals at 1 p.m. Sat. SATURDAY, OCTOBER 2
10 a.m. Cross Country, WU Invitational, Forest Park.

2 p.m. Soccer, WU vs. MacMurray Col., at Jacksonville, Ill.

7 p.m. Football, WU vs. Wheaton Col., Francis Field.

WEDNESDAY, OCTOBER 6
3:30 p.m. Women's Tennis, WU vs. Maryville Col., at Maryville.

5 p.m. Soccer, WU vs. Wheaton Col., Francis Field.

MUSIC
SATURDAY, OCTOBER 2
8:30 p.m. Mississippi Valley Folk Festival Feature Concert. (See schedule on page 3.)

SUNDAY, OCTOBER 3
2 p.m. Mississippi Valley Folk Festival Closing Concert. (See schedule on page 3.)


MONDAY, OCTOBER 4
8 p.m. Music Department Graduate Organ Recital, David Bartlett, teaching assistant, WU Dept. of Music, performing "Clavierubung, Part III." by J. S. Bach. Trinity Presbyterian Church, 6800 Washington.

FILMS
FRIDAY, OCTOBER 1

SATURDAY, OCTOBER 2

SUNDAY, OCTOBER 3
2:30 and 7:30 p.m. WU Filmboard Series, "A Delicate Balance," with Katherine Hepburn. Brown Hall Theatre. Admission $1. (Also Mon., Oct. 4, 7:30 p.m., Brown.)

TUESDAY, OCTOBER 5
12 noon. Tuesday Noon Film Series, "Why Me?" A film about breast cancer in the lives of ten women. Sponsored by Women's Programming Board & the Office of Campus Programming. Women's Bldg., Lower level. (Also at 4:30 p.m. Tues. in the Audio-Visual Room, Mallinckrodt Center.)

7:30 and 10 p.m. WU Filmboard Series, "Mr. Smith Goes To Washington." Brown Hall Theatre. Admission $1. (Also Thurs., Oct. 7, same times, Brown.)

EXHIBITIONS
"Joe Goode: Recent Works," an exhibition of this Los Angeles artist's sky paintings. Goode's treatment of the sky theme ranges from straightforward renderings in early paintings to surrealistic approaches in his more recent sky series. Steinberg Gallery, 9 a.m.-5 p.m. weekdays; 10 a.m.-4 p.m. Sat.; 1-5 p.m. Sun. Through October 31.

"A Faulkner Exhibit," a display of first, limited and unusual editions of early poems, novels, and short stories. From the collection of L. D. Brodsky, WU alumnus. Olin Library, level 5. 8:30 a.m.-5 p.m. Mon.-Fri. Through October 15.

Luecke (Continued from page 1)
counting procedures the second, and construction problems the third," the Chancellor said.

He said that the academic areas of the University will be the responsibility of Merle Kling, presently Dean of the Faculty of Arts and Sciences, who recently was appointed to the newly created position of Provost, or chief academic officer. Kling will relinquish his responsibilities as dean when the current search for a new dean is completed.

A second search has been instituted, the Chancellor continued, for an administrator to whom the financial offices of the University will report. The search is being made in consultation with Dean Kling and appropriate faculty organizations and individual professors. The chief administrator for the financial area will be responsible for such functions as accounting, budgeting, internal auditors, the treasurer's office and the computing facilities.

Luecke, who served for two years as Director of Admissions, was appointed Assistant Vice Chancellor in 1974 and was named Associate Vice Chancellor in 1975. Under his direction, the University enrolled the largest freshman class in its history in the fall of 1975.

From 1972-1974, he was Assistant to the Chancellor, and from 1971-1972, he was Planning and Research Analyst for the University. For the past six years, he has taught organizational behavior in the School of Business and Public Administration. He also teaches organizational and administrative theory in the School of Social Work. From 1970-71, he taught hospital administration in the School of Medicine.

Luecke received his master's and doctor's degrees in business administration from WU and his bachelor of arts degree from Concordia Senior College, Fort Wayne, Indiana. He also holds a master of divinity degree form Concordia Seminary, St. Louis.