King to lead workshop on racism; part of new Campus Y initiative

On Thursday, Oct. 21, Charles H. King, Jr., director of the Urban Crisis Center in Atlanta, Ga., will speak at 11 a.m. in Graham Chapel on "Personal Prejudice and Strategies for Personal and Community Change."

In the afternoon, beginning at 1:30 p.m. in the Ann Whitney Olin Women's Building Lounge, he will conduct a three-hour workshop at which he will demonstrate his exercises and techniques for exploring racial prejudices. A number of WU administrators, faculty and student leaders and individuals from the community have been invited to sit on the panel and participate. Observers are welcome.

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Color graphics program ends tedious calculations for engineers

In the past, when civil engineering students wanted to design anything from a trust to a bridge, they spent long hours making repetitious calculations and drawing hand-plotted curves. But all that is changing thanks to a new computer system developed by the WU Department of Civil Engineering that rapidly executes complex calculations and displays the results in color graphics.

"The students now have more time to experiment with engineering decisions," said Phillip L. Gould, professor and chairman of the department. "You might say this system takes the tedious work out of the learning in." Computer-aided design is widely used by industry. An engineer can design a metal part, for example, his it is a 100-pound hammer, heat it to 500 degrees and freeze it to arrive at stress and strength relationships, all through simulation on a computer screen. From the standpoint of structural engineering, it is perhaps the most important development in a decade. Yet the education of engineering students in utilizing computer-aided design has lagged behind.

One reason, said Gould, is the expense. Instructional computer graphics laboratories in some schools are multi-million dollar setups. Seeking an affordable alternative, the WU Department of Civil Engineering has come up with one of the first teaching-oriented computer graphics systems on a microcomputer, similar to those sold for home use.

The task was undertaken by graduate student Bernard Charles under the guidance of Theodore V. Galambos, Harold D. Jolley Professor of Civil Engineering. Charles, who presented the project as the basis for his master's thesis in July, tailored the software (computer programs) for the computer lab section of a junior-level course, "Introduction to Structural Design." Another graduate student, Lee Edelmann, will expand and improve the software this fall. The entire system, including the computer and printer, costs about $4,000 per work station.

In time, Gould hopes to heighten interest in the project through the 4C Consortium, a group of 12 universities (including WU) recently funded by the National Science Foundation for the purpose of developing software for teaching computer-aided design courses in engineering.

"Our goal is to bring computer usage into every undergraduate course here as far as possible," Gould said. He noted that the civil engineering department acquired four microcomputers last fall and may purchase one more this year. The color graphics displays and the specialized software make these particularly suitable for students who lack a deep knowledge of computers, he explained.

Two professors to study ‘pork barrel’

Two WU faculty members, Kenneth A. Sheple and Barry R. Weingast, have been awarded a two-year, $100,000 grant from the National Science Foundation to study the politics and economics of the "pork barrel." "We are interested in theorizing about the politics and economics of public policy in general and the pork barrel in particular," said Sheple, a professor of political science. The term pork barrel refers to federal funds, intended for such projects as improving rivers and harbors, that are appropriated more often to affect local political patronage than to make real improvements.

Sheple pointed out that the electoral forces congressmen seek to obtain in the other arena, the legislature, often work to bring back to the district. "Politicians understand," Sheple said, "that in order to stay in the House, they must be able to answer the question first asked of Alben Barkley, former vice president of the United States, by an old Kentucky farmer — ‘What have you done for me lately?’"

Weingast (left) and Sheple.

Sheple and Weingast, an assistant professor of economics, are also interested in how broadly pork barrel projects are distributed among congressmen. "We are interested in learning whether they are captured mostly by the majority party or whether they are spread more broadly," Sheple said.

Two graduate students, one in economics and the other in political science, will help the professors in their research.

Beck named Sigma Xi lecturer; interviews Iranian exiles for book

Lois Beck, WU assistant professor of anthropology, has been named a Sigma Xi National Lecturer for a two-year term beginning 1982. A cultural anthropologist, Beck will speak on modern Iran and on Islam and politics in the Muslim world.

The Sigma Xi National Lectureship program selects outstanding researchers and scholars in the sciences who are presented to Sigma Xi chapters at universities and colleges across the country to lecture on some of the more lively areas of current research. Sigma Xi is a national honorary science society whose members include undergraduate and graduate students as well as practicing scholars.

Last spring, Beck was reelected executive secretary of the Society for Iranian Studies, an international professional organization devoted to the study of Iran. The organization publishes the journal, Iranian Studies. In addition, she is currently a nominee for the board of directors of the Middle East Studies Association of North America.

Beck, who lived and studied in Iran for many years, is editor (with Nikki Keddie of UCLA) of the book, Women in the Muslim World, a publication of Harvard University Press that is in its third printing and now available in paperback. Currently, she is completing a volume on the historical development of a tribal confederacy of nomadic pastoralists in Iran, based on anthropological field research in Iran, collected oral histories and interviews with contemporary tribal leaders, and British and American government documents. The tribal group involved, the Turkic-speaking Qashqai, is one of many national minorities that are currently resisting the central authority of the new Islamic Republic of Iran. Beck conducted research in Iran after the 1978-1979 revolution, and she has recently interviewed Iranian political leaders temporarily in residence in Europe.

Photographs of the Qashqai’s were exhibited this past spring at the Museum of Cultural History at the University of California, Los Angeles, and will be at the University of Washington in Seattle in November. The publication, The Qashqai People of Southern Iran, which accompanies the exhibit, was written by Beck.

Three political scientists to develop statistics courses with $25,000 grant

Three WU political scientists have been awarded a three-year, $25,000 grant by the National Science Foundation to develop new undergraduate courses on the mathematics and statistics of political science.

The three professors are James E. Alt, associate professor of political science, and John T. Woolley and Randall L. Calvert, both assistant professors of political science.

"We want to introduce freshmen and sophomores to quantitative tools that are used to make mathematical models and to perform statistical analysis," said Calvert, the project director.

"If we can educate students early, they will be better able to consume current research in political science.

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Most undergraduate courses teach concepts emerging from research conducted using the methodology with which the research was conducted, he said.

Calvert said two of the new offerings will be one credit hour courses.

"We’re hoping this will entice the students to take the courses. Since it is low risk, they might decide to take a chance," Calvert said.

Part of the funds from the grant will be used to purchase two microcomputers. "We will write simulation programs so that the students can experiment with computer models concerning politics," Calvert said. "We hope that once the students use the computers, they won’t be scared of them as much.

"Five years ago, using computers in political science courses was difficult," Calvert said. "Today the computers are easier to operate and are less expensive. We want to give the students so much exposure to the computer that they will lose whatever fears they have of it."

Washington University Record (USPS 600-430), Volume 7, Number 8, Oct. 22, 1981. Published weekly during the school year, except school holidays, by the Office of News and Information, Campus Box 1142, Washington University, Lindell and Skinker, St. Louis, Mo. 63130; Second-Class Postage Paid at St. Louis, Mo. Postmaster please forward change of address to Campus Box 1142, Washington University, St. Louis, Mo. 63130.

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Campus Notes

Lucius J. Barker, Edna F. Gelbman University Professor of Public Affairs and professor of political science, received a special award for his outstanding contributions to teaching, research, and service to the political science profession at the annual meeting of the American Political Science Association last week in New York City. The award was given by the APSA Committee on the Status of Blacks in the Profession. In addition to his teaching and scholarship, Barker has served the national organization in a number of capacities, including that of vice president in 1980.

Jerome R. Cox, Jr., professor and chairman of the Department of Computer Science, attended an international conference, "Computers and Cardiology," Sept. 22-25 in Florence, Italy. He was one of a number of organizations, including the National Institutes of Health, the European Cardiology Society and the Institute of Electronics and Electrical Engineers.

Sol Garfield, professor of psychology, received a Distinguished Scientist Award from the American Psychological Association's Section on the Development of Clinical Psychology at an Experimental Behavioral Science at the association's annual meeting in Los Angeles last August. At the award ceremony, Garfield delivered a lecture, "Some Current Issues in Psychotherapy," and participated in a symposium.

Also at the meeting, Jane Loev-inger, professor of psychology, announced the president-elect of Division 24, the Division of Theoretical and Philosophical Psychology.

Ira J. Hirsch, professor of psychology, is on leave this fall to serve as a visiting professor at the University of Tsukuba, Japan. There, he will teach and guide research at the Institute of Research on the Handicapped and in the Faculty of Medicine. He will also lecture at several Japanese professional society meetings and at universities in Sendai, Nagoya, Tokyo, and Fukuoka.

The Department of Computer Science has received a $16,800 grant from Standard Oil Co. of California. The funds will cover tuition for two students, a stipend for one graduate student and a departmental grant. The students are Robert R. Israel, a second-year graduate student, who received the Chevron Fellowship, and Nathan Schoeder, a senior in his final year of the 3-2 program, who received the Chevron Scholarship. The department has received a $4,000 grant and a scholarship for Ralph Bender, a second-year graduate student and employee of Western Electric, under the company's Engineering and Science Fellowship Program.

Four diabetes seminars offered

Four diabetes seminars will be held at the Medical Science Research and Training Center (DMRC), one of the ten centers in the country, and the University Health Service, to cover all aspects of the disease, its present treatment, and medical research and advances. The DMRC is a program of the National Institutes of Health.

Upcoming seminars will be held at 4 p.m. in Lamberti Lounge, Mallinckrodt Center, Oct. 24 and Nov. 4 and 11. The seminars will be held with a semi.

Campus Y—continued from p. 1

YWCA in 1976 to combat racism. "The national organization places such emphasis on this issue and has directed all of its affiliated organizations to respond to it because it believes that racism exists everywhere," Needleman explained. If the national found that the WU self-evaluation lacked anywhere, it was in response to this issue. They recommended that the WU association study a bewildering thick volume titled "Student Action Audit for Change Process," a guide for identifying institutional racism.

Other self-stated goals for the Campus Y over the next three years include improving recruitment and retention of students, cooperating more with other student groups, improving visibility, and creating more programs on world understanding and also programs that will attract more women and non-white students.

Although this arduous self-evaluation project is over, looming ahead is the task of implementing its findings. As for the audit regarding institutional racism, Needleman says the Campus Y will look at itself first. Meanwhile, the Campus Y's Student Cabinet, a group of eight students, and its Board will both begin searching for ways to carry out their and the national YWCA's directives.

Ever watch a tree in the fall, trying to determine the exact day when it suddenly turns a blazing yellow or red? It can't be done, trees always surprise. Then, like magicians with sleight of hand, they'll drop their last leaves, catching you unawares again.

Four seminars remain to be held of a five-part series on diabetes mellitus. The seminars, presented by Dr. Gerald Medoff, WU professor of medicine, will study the effects of polyenes on normal and tumor cells in culture.
October 22
11 a.m. Assembly Series Lecture, "Personal Prud- dence and Emergencies for Personal and Community Change," Charles H. King, Jr., director, Atlanta Urban Crisis Center. Graham Chapel.
1:30 p.m. Internal Awareness Committee Work- shop with Charles H. King, Jr., Winny Olin Women's Bldg. Lounge.
4 p.m. School of Architecture Lecture, "Pat Shaders, Future Directions," Lawrence M. Mackie, staff architect, U. Urban Research and Design Center. 116 Givens Hall.
4 p.m. Department of Chemistry Seminar, "Iron Porphyins in Unusual Spin and Oxidation States," Harold Gould, dept. of chemistry, U. of Iowa. 111 McMullen Lab.
Friday, October 23
9 a.m. Orthopedics Lecture, "Internal Fixation Devices," E. Burke Evans, dir. of orthopedics, U. of Tex. Medical Branch. Also 10:30 a.m., "Some Ideas on Degenerative Joint Diseases." Beverly D. Herbert, dept. of orthopedics U. of Tex. Branch. From 4 to 5:30 p.m., "Surgical Approaches to Degenerative Joint Disease." Beverly D. Herbert, dept. of orthopedics. From 7:30 to 8:30 p.m., "Treatment of Diseases of the Foot." Beverly D. Herbert, dept. of orthopedics.
Saturday, October 24
8 p.m. Brues Arts Costume Ball, sponsored by WU School of Fine Arts. Live and refresh- ments provided. Open to the public. Ticket is $3 at the door, Brues Hall.
Sunday, October 25
6:30 p.m. International Sunday Night Dinner, fea- turing dishes from various parts of the world. Sponsored by Student Union and United Inter- national Club. Advance tickets are $3.50; $3 for WU faculty and staff, $2.50 for WU students. Tickets available at International Office, Cathy Seiter, Ext. 5904. Six International House, 6470 Forsyth Blvd.
Monday, October 26
4 p.m. Department of Sociology Lecture, "Drug Abuse at Western Europe," Max Marvil, secre- tary, Drug and Alcohol Center. Rotterman. 219 McMillen
8:30 p.m. School of Architecture Lecture, "Theo- retical Contrasts in Eastern and Western Architec- ture," Ken B. McNamar, director, Cogules House, and prof. of art, St. Louis U. Sten- berg Hall Aud.
Wednesday, October 28
3:30 p.m. Department of Mathematics Analysis Seminar, "Applications of Calderon Measures to Partial Diff- erential Equations," Raymond Johnson, U. of Md. 203 Cupples I.
8 p.m. Department of English Fiction Reading, with James Hearn, WU Visiting Prof. of English, reading from his own work. Hunter Lounge.
Thursday, October 29
4 p.m. Department of Chemistry Lecture, "Syn- thesis and Structure of New Molybdenum Cluster Compounds," Robert E. McGarery, dept. of chem- istry, Iowa State U. 311 McMullen Lab. (3:30 p.m. coffee hour, 5:30 Louderman.)
Friday, October 30
1 p.m. Department of Technology and Human Af- fairs Seminar, "The Technology, Strategy and Ef- fects of Nuclear War," Michael Friendlander and Don Boflet, WU profs. of physics. 104 Lopata.
4 p.m. Twenty-third Shaffer Lecture, "Transduc- tion of New Genetic Information into Mammalian Cells," Paul Berg, director, biochemistry, Stanford U. Medical Center, Calif. Sponsored by the Dept. of Biological Chemistry. Carl V. Moore Aud., first floor, N. Bldg. - - 600 South Euclid. (3:30 p.m. cof- fee hour.)
Performing Arts
Saturday, October 24
7 p.m. Edison Theater Dance, "Court Dance Theatre and Music from Okinawa."
8 p.m. Department of Music Wind Ensemble, "Spirit of America," Union Field. 4700 Louderman.
Music
Friday, October 30
12 noon. WU Department of Music Wind Ensemble, "Spirit of America," Union Field. 4700 Louderman. No charge.
8 p.m. Department of Music Graduate Recital, "Songs of the World," John Bollinger, piano. WU Chapel. No charge.
Monday, October 26
7:30 and 9:30 p.m. WU Film Series Board, "Grand Illusion." Brown Hall Aud.
Tuesday, October 27
7:30 and 9:45 p.m. WU Film Series Board, "Cool Hand Luke." Brown Hall Aud.
Wednesday, October 28
7:30 and 9:45 p.m. WU Film Series Board, "Slaughterhouse Five." Brown Hall Aud.
Thursday, October 29
8:30 and 10:15 p.m. WU Film Series Board, "In the Name of the Father." Brown Hall Aud.
Friday, October 30
8:30 and 10:15 p.m. WU Film Series Board, "In the Name of the Father." Brown Hall Aud.
Saturday, October 31
8:30 and 10:15 p.m. WU Film Series Board, "In the Name of the Father." Brown Hall Aud.
Sports
Thursday, October 22
3:45 p.m. Women's Tennis, WU vs. Fontbonne College. WU Tennis Courts.
Friday, October 23
6 p.m. Women's Volleyball, WU vs. Greenville and Maryville colleges. WU Center.
7 p.m. Soccer, WU vs. Cornell College. Francis Field.
Saturday, October 24
10:30 a.m. Women's Tennis, WU vs. Principia College. WU Tennis Courts.
1 p.m. Homecoming Football, WU vs. Principia College. Francis Field. Tickets $1, WU students free.
Friday, October 30
7 p.m. Soccer, WU vs. Lindenwood College. Fran- cis Field.
Saturday, October 31
11 a.m. Women's Volleyball, WU vs. Fontbonne College. WU Center.
4 p.m. Football, WU vs. DePaul University. Fran- cis Field. Tickets $1, WU students free.