Washington University will award seven honorary degrees.

Robert L. Virgil, D.B.A., dean of the John M. Olin School of Business, has announced the following honorary degrees for the 1988 graduation ceremony.

- Richard Davis is named new director of the history of freedom center.
- Donald N. Brandin, retiring chairman of the Danforth Foundation, will receive the $1 million chair in business school.

Richard Davis is named new director of the history of freedom center

Richard W. Davis, Ph.D., professor of history at Washington University, has been appointed director of the University's Center for the History of Freedom, effective July 1, according to Martin H. Israel, dean of the Faculty of Arts and Sciences.

Davis has been associate director of the center since its inception in 1986. The goal of the center is to produce a multi-volume history of modern freedom. The project is expected to take 25 years and is the first study of the history of freedom.

Richard Davis has an international reputation as a scholar of British history, excellent administrative skills and strong dedication to the success of the history of freedom project, says Israel. "I am looking forward to working with him as director."

Davis replaces J. H. Hexter, Ph.D. John M. Olin Professor of History and founding director of the center, who will continue to play an active role in the center and to hold the Olin chair in the History of Freedom.

"Jack Hexter's vision is responsible for the creation of the center and the history of freedom project. I am glad that he will continue to participate vigorously in the work of the center," says Israel.

Davis joined the University faculty in 1969 and served as chairman of the history department from 1977 to 1987. He earned the degree of doctor of letters from the University of Cambridge in 1962. All four degrees are in history.

Donald N. Brandin

Brandin joined the Boonam's National Bank of St. Louis in 1956 as a vice president. He became senior vice president in 1967, president in 1971, and chairman and chief executive officer of the bank holding company. He is a director of the Danforth Foundation, a national philanthropic education organization, and chairman of the Danforth Foundation's top 50 bank holding companies.

Brandin is president of the Federal Advisory Council of Bank One, a former director of the International Financial Conference and the Association of Reserve City Bankers. He is a director of Laclede Gas Co. and Sigma-Aldrich Corp.

Brandin has been active in a large number of civic organizations in St. Louis, including Civic Progress, of which he is chairman. He has been a member of the Board of Trustees since 1979. His term board expires this month.

Brandin is chairman of the John M. Olin School of Business, which he chairs.

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full-rotation scholarships for talented black high school students. Currently, 22 students attend Washington under the merit-based scholarship program.

Frankenthaler, renowned American painter, will lecture on the history of fine arts degree. The recipient of numerous awards and honors, Frankenthaler was at the forefront of a trend in the early 1960s in American painting moving from literal abstraction expression to what is now known as color-field painting.

In addition to her numerous one-woman exhibitions around the world, Frankenthaler’s paintings are in the permanent collections of most major museums in the country. Her work is also in public collections worldwide.

She has been the subject of several films, including Frankenthaler: Toward A New Climate, produced and directed by Perry Miller adato in 1978 as part of a seven-part series on women in art. The film won first prize in the fine arts category of the 1979 American Film Festival.

Key, senior scientist in the Division of Intramural Research Programs at the National Institute of Mental Health, will receive the fine arts degree. Key’s first major scientific contribution was the development of a safe quantitative technique for measuring the circulation and metabolic function of the human brain. This technique was then productively applicable to neurophysiological and disease states, including both neurological and psychiatric illnesses. Key’s investigations of quantitative techniques in a field where this goal seemed unattainable led to the establishment of an entire specialized field of metabolic neurobiology, with both basic science and clinical branches that are moving rapidly forward. His work laid the foundation for the modern PET scanner, which has made it possible to safely measure local circulation and metabolic functions of high complexity in normal humans and in patients with serious diseases of the nervous system. He later became interested in the significance of genetic factors in major psychiatric illness. This work, the research that established there is a powerful genetic factor in the cause of schizophrenia.

Schneiderman, chief scientist and vice president for research and development of Monsanto Co. and adjunct professor of biochemistry at Washington University School of Medicine, will receive a doctor of science degree. Schneiderman is recognized internationally for creating and promoting alliances between research universities and American industry to solve important societal and commercial problems.

A founding member of the Council of the Government-University-Industry Research Roundtable of the National Academy of Sciences, Schneiderman also is a lead researcher in the development of one of the most powerful university industry research programs. This alliance has created a series model for similar arrangements both in the United States and abroad.

Schneiderman, who is serving a six-year presidential appointment to the National Science Board, also is a leader in the development of America’s biotechnology industry. Stang, adjunct professor of English at Washington University, will receive a doctor of letters degree. Now considered the world authority on author Ford Madox Ford, Stang has spent more than 20 years of his life attempting to restore the previously slightly written to his rightful status in modern literary history.

Stang, editor of the highly successful publication of five new volumes on Ford in the past 11 years, including the 1977 Ford Madox Ford and the 1981 The Presence of Ford Madox Ford. Along with Solodkin, Ph. D., associate professor of history at Washington University, Stang edited the recently released A History of Our Own Times, Ford’s previously unpublished volume depicting the social changes and power between 1870 and 1919.

In what has been called a "Ford Madox Ford revival," Stang has served an advisory role in reissues program taking place in both the United States and England for his group known novels and other books.
Garland E. Allen, Ph.D., professor of biology and director of the Biological Crossroads and Controversies in Evolutionary Theory: Dialektical Materialism in the Work of Ivan I. Schmalhausen" at the American Association for the Advancement of Science annual meeting in Washington, D.C. Allen was also invited to present a commentary at a conference on "Dialectical Materialism in Science," held at Harvard University, was sponsored by the American Historical Association and held in Harvard, was sponsored by the German Academic Exchange Service (DAAD). The competitive spirit of the program and writing. All of the 1989 fellows are expected to write doctoral dissertations on issues related to natural and human cultures and the environment. The goal of this program was titled "Political Entrepreneurs and Economic Revitalization: A Comparative Study of Two Missouri Towns." Thomas C. Fox, Ph.D., assistant professor of Germanic languages and literatures, received a grant from the U.S. Information Agency to pursue research during May and June in Bonn, Dortmund and West Berlin. In July he will participate in a three-week summer program at the German Institute at the Humboldt University in East Berlin.

Joseph D. Ketner H., was the guest of honor at numerous events and lectures, received a grant from the Fulbright Program to pursue research at the Humboldt University (DAAD) to pursue research during May and June in Bonn, Dortmund and West Berlin. In July he will participate in a three-week summer program at the German Institute at the Humboldt University in East Berlin.

K. Kathleen Cook, a doctoral candidate in Germanic languages and literatures, received a grant from the Fulbright Program to pursue research at the Humboldt University (DAAD) to pursue research during May and June in Bonn, Dortmund and West Berlin. In July he will participate in a three-week summer program at the German Institute at the Humboldt University in East Berlin.

German romantic author Achim von, preparing future engineers to meet the challenges of a rapidly changing world. The program has been held for the past five years. In 1989, the program's choice of two problems and a full weekend to solve the problem and write up a report of their analysis. Team members may consult only each other during the contest and may use computer software, packages, libraries or any other inanimate sources. In addition, their solution paper must be typed.

The top honors: Washington team student J. B. Mooy, a methodologist and an experimenter, won top honors in the competition for 1989-90. He received a Fulbright grant in March and was lecturing abroad. The awards include a trip to the United States and Europe ranging from three months to a full academic year.

Washington State University, also a graduating senior.

Math team earns top honors

A team of three undergraduate students from Washington University has taken top honors with its team. The team, composed of three sophomores from the California Institute of Technology, Pasadena, and California Polytechnic State University, San Luis Obispo, in the 1989 Mathematical Contest in Modeling, held Feb. 24-28. The Washington University team, comprising sophomores Thomas Fields and juniors David Krasnow and Kevin Sauther, received an Outstanding Honor for their solution to a classification problem and their writing of a 25-page analysis of their solution. Papers were submitted from 133 universities and colleges nationwide; 212 teams competed. Awards range (in descending order) from Outstanding to Meritorious to Honorable Mention.

Another Washington University team of seniors John Miller and David Sickman and junior Michael Messey won Meritorious honors along with teams from 27 other institutions. Hiroshi Moko, Ph.D., professor of engineering and applied science in the Department of Systems Science and Mathematics, served as one of the team's supervisors.

"We are very proud of our students and their work," said Donald N. Mok. "The Washington University team went head-to-head with the best undergraduate science and engineering students from across the country and came out exceptionally well."

Mathematical modelling—a rapidly expanding mathematical field—is a way of analyzing complex systems and drawing useful conclusions through modeling, which transforms real-world situations from artificial to natural—for the lift of an aircraft wing or the flow of blood through arteries, for instance. The model allows scientists the opportunity to make inferences without having to perform experiments.

The contest, sponsored by the Society for Industrial and Applied Mathematics, and the American Mathematical Society, has been held for the past five years. In 1989, the program's choice of two problems and a full weekend to solve the problem and write up a report of their analysis. Team members may consult only each other during the contest and may use computer software, packages, libraries or any other inanimate sources. In addition, their solution paper must be typed.

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There are openings in more than 100 countries, and the opportunity for meaningful post-doctoral work in many regions.

Fulbright grants are awarded in virtually every country, and all academic ranks are eligible. For information on the Fulbright program, contact the Council for International Exchange of Scholars, 3400 International Drive, Suite M-500, Washington, D.C., 20008-3097; (202) 686-7866.

NOTABLES

The Washington University Record will help faculty and staff celebrate noteworthy achievements and events in the lives of members of the Washington University community.

Faculty and staff notable

Shaw's article "Bhopal Remembered," was named to a committee or elected an officer of the association to garner national attention. Shaw's article was named to a committee or elected an officer of the association to garner national attention.

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CALENDAR

WASHINGTON UNIVERSITY MAY CALENDAR

Thursday, May 11
1 p.m. Oral Examination for the Doctoral Degree for Paul S. Grant, Div. of Microbiology, Molecular Genetics and Biochemistry. Dissertation title: "The Role of the Integrin αvα3 in Mediating Cell-Matrix Adhesion; Structure and Function of the Integrin αvα3αvα3β1/αvα3αvα3β1 Complexes." 234 Steinberg Hall.

Friday, May 12
1 p.m. Oral Examination for the Doctoral Degree for Brian K. Wilson, Div. of Pathology. Dissertation title: "The Role of Epithelial-Mesenchymal Transition in Human Renal Cell Carcinoma." 234 Steinberg Hall.
3 p.m. Oral Examination for the Doctoral Degree for Paul S. Grant, Div. of Microbiology, Molecular Genetics and Biochemistry. Dissertation title: "The Role of the Integrin αvα3 in Mediating Cell-Matrix Adhesion; Structure and Function of the Integrin αvα3αvα3β1/αvα3αvα3β1 Complexes." 234 Steinberg Hall.
6:30 p.m. Hanging Out at Harpo's.

Tuesday, May 16
7:30 p.m. University College Recognition Ceremony. Ceremony in Graham Chapel. Reception in Simon Hall. For more info., call 889-2159.
8:30 p.m. 10 a.m. Commencement for the Class of 1989, "We the People," U. of Missouri-Columbia, Columbia, Mo. 10 a.m. at Faurot Field. (Rain location: 10 a.m. at The E. DeBartolo Arena, 5700 Oakland Ave.) Immediately following and Applied Sciences, north side of Lopata Quadrangle. (Rain location: 10 a.m. at The E. DeBartolo Arena, 5700 Oakland Ave.) Immediately following the Commencement exercises, the doors of the Missouri Arena will open at 2 p.m. for the distribution of diplomas when recipients will be individually directed. Brunch will be available for members of the graduating class, their families and friends. Reservations are required. Call 889-6527 for more info. 889-6527.
8:30 p.m. University College Recognition Ceremony. Ceremony in Graham Chapel. Reception in Simon Hall. For more info., call 889-2159.
9:00 p.m. Live the Loop at Cicero's.
10 p.m. 2:30 p.m. Eliot Honors Convocation for the Class of 1989, "We the People," U. of Missouri-Columbia, Columbia, Mo. 2:30 p.m. at Faurot Field. (Rain location: 2:30 p.m. at The E. DeBartolo Arena, 5700 Oakland Ave.) Immediately following the Commencement exercises, the doors of the Missouri Arena will open at 2 p.m. for the distribution of diplomas when recipients. Call 889-6527 for more info.

Wednesday, May 17
10:00 a.m. "Penny Pincher's Guide to DNA," NANA general meeting, 269 Steinberg Hall. For more info., call 889-8513.
11:00 a.m. University College Recognition Ceremony. Ceremony in Graham Chapel. Reception in Simon Hall. For more info., call 889-2159.
11:30 a.m. Senior Champagne Reception. Sponsored by the Alumni Board of Governor and Student Alumni Relations Committee. LaSalle Lounge, Ichaso Center. For more info., call 889-9513.
1:00 p.m. Senior Day at the Ballpark. St. Louis Cardinals vs. Cincinnati Reds. Bus ride from the ballpark.
5:00 p.m. University College Recognition Ceremony. Ceremony in Graham Chapel. Reception in Simon Hall. For more info., call 889-2159.
7:00 p.m. 10 a.m. Commencement for the Class of 1990, "We the People," U. of Missouri-Columbia, Columbia, Mo. 10 a.m. at Faurot Field. (Rain location: 10 a.m. at The E. DeBartolo Arena, 5700 Oakland Ave.) Immediately following and Applied Sciences, north side of Lopata Quadrangle. (Rain location: 10 a.m. at The E. DeBartolo Arena, 5700 Oakland Ave.) Immediately following the Commencement exercises, the doors of the Missouri Arena will open at 2 p.m. for the distribution of diplomas when recipients will be individually directed. Brunch will be available for members of the graduating class, their families and friends. Reservations are required. Call 889-6527 for more info. 889-6527.
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Thursday, May 18
8:00 a.m. University College Recognition Ceremony. Ceremony in Graham Chapel. Reception in Simon Hall. For more info., call 889-2159.
8:30 a.m. Commencement in Brookings Gymnasium, 8900 Marine Drive. (Rain location: 8900 Marine Drive.) Immediately following the Commencement exercises, the doors of the Missouri Arena will open at 2 p.m. for the distribution of diplomas when recipients will be individually directed. Brunch will be available for members of the graduating class, their families and friends. Reservations are required. Call 889-6527 for more info. 889-6527.