5-12-1983

Washington University Record, May 12, 1983

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Sir John Harold Plumb, a scholar and author on 18th-century social history, and one of six distinguished individuals who will receive honorary degrees at WU's 122nd graduation exercises on Friday, May 20, will deliver the principal commencement address.

He will speak on "A Time for Hope" as the ceremonies, which will begin at 8:30 a.m. with the traditional academic procession to the Brookings quadrangle. In case of rain, the event will take place at 10 a.m. at the Checkerdome.

Chancellor William H. Danforth will preside at commencement and confer the degrees.

The five other honorary degree recipients are: Philip Mills Arnold, former vice president for research and development of Phillips Petroleum Co.; Merle Kling, WU provost, executive vice chancellor and professor of political science; General Roscoe Robinson, Jr., U.S. representative to the Military Committee, North Atlantic Treaty Organization (NATO), in Brussels; John E. Simon, St. Louis financial advisor, and Rosalyn S. Yalow, nuclear physicist and winner of the 1977 Nobel Prize in physiology or medicine.

Sir John retired this spring after having been associated with Christ's College, University of Cambridge, since 1946 as tutor, vice master, master, university lecturer, reader in modern English history and chairman of the history faculty. Prominent among his academic works are two volumes, with a third forthcoming, on the life of Sir Robert Walpole: The Origins of Political Stability, England, 1675-1721, and his classic text, England in the 18th Century.

In 1977 Sir John wrote the script and book for a seven-hour special on British television about the heritage of the British Crown. He has also written for and served as senior editor and advisor to the American Heritage Company and Penguin Books. He currently serves as chairman of the Centre of East Anglian Studies, University of East Anglia. He was a Visiting Lewin Professor in the Humanities at WU in 1977. Knighted in 1982, Sir John is a Fellow of the Royal Historical Society, the British Academy, and the Royal Society of Literature.

He will receive the honorary Doctor of Letters degree.

Philip Mills Arnold, an executive, researcher and scholar, retired in 1976 as vice president for research and development of Phillips Petroleum Company after nearly 40 years with the company. He played a major role in the company's entry into the chemical industry, in which it rapidly became a major producer of synthetic rubber, plastics, fibers and fertilizers. He holds 22 patents.

A student of semiology — the study of man's use of signs and symbols — Arnold founded and has supported over the years the Philip Mills Arnold Semeiology Collection at Olin Library, which now contains over 2,900 rare books, journals and manuscripts.

Sir John

Merle Kling has been a member of the faculty since 1946. He has twice served as dean of the Faculty of Arts and Sciences and was awarded a Faculty Citation for outstanding teaching from the WU Alumni Board of Governors in 1964. Kling concentrated his scholarship in the Latin American field and is the author of two books on the subject, including A Mexican Interest Group on Action. In 1967 he helped found WU's Academy of Sciences.

Paul E. Lacy elected a member of the National Academy of Sciences

Paul E. Lacy, Edward Mallinckrodt Professor and chairman of the Department of Pathology at the School of Medicine, has been elected to the National Academy of Sciences, one of the highest honors that can be given to an American scientist or engineer.

The academy was chartered by an act of Congress in 1863 as a society of distinguished scholars in scientific and engineering research, dedicated to the furtherance of science and its use for the general welfare. The academy serves as an official adviser to the federal government on questions of science or technology.

Lacy, one of 60 new members, was elected to the academy in recognition of his distinguished and continuing achievements in successfully transplanting islets — clusters of pancreas cells that produce insulin. His work represents an advance in immunology and organ transplantation, as well as in the continuing search for better methods of treating insulin-dependent diabetics.

Lacy served as assistant instructor in the anatomy department at Ohio State University, interned at White Cross Hospital in Columbus, Ohio, and served a fellowship in pathology at the Mayo Clinic. He joined the Department of Anatomy at WU in 1955 as a postdoctoral fellow of the National Cancer Institute's Public Health Service and became an instructor in the pathology department in 1956. Lacy was named Edward Mallinckrodt Professor and chairman of the department in 1961. Since then he has served as pathologist-in-chief of Barnes Hospital, Jewish Hospital of St. Louis and St. Louis Children's Hospital.

Arnold earned a BS degree in chemical engineering in 1932 and an MS degree in chemical engineering in 1941 from WU. In 1968, he was awarded an Alumni Citation from the WU Board of Governors at Founders Day. He will receive an honorary Doctor of Science degree.

Paul E. Lacy

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Human white blood cells cloned to combat cancer, other diseases

Cloned white blood cells that open new avenues into immunology research have been developed by researchers in the Cancer Immunology Laboratories at the School of Medicine.

According to Paul Lacy, head of pathology and director of the laboratories, the cloning technique enables researchers to produce unlimited quantities of white blood cells grafted to combat specific invaders. "These cells show promise as new weapons against cancer," said Lacy, noting that clones such as these may someday be used to treat infectious diseases, cancer, and autoimmune diseases.

The technique for cloning the cells was developed by Thomas and Vivian Braciale, associate professor of pathology and research assistant professor in pathology, respectively. By studying for five years how certain white blood cells groomed to combat normal to cancerous, T lymphocytes, cloned them, and then targeted them to a specific influenza virus. With the clones reintroduced into mice that had been experimentally infected with influenza, the viral infection was curtailed 90 percent. The targeted, activated clones sought out cells containing the virus and destroyed them.

"What we might see in the future in regard to human therapy," Braciale said, "is the establishment of T lymphocyte cultures designed to work against cells that have been invaded by a virus or cells that have been transformed from normal to cancerous. T lymphocyte clones specific to the virus or the cancer in question could, within certain confines, become an effective treatment."

"A major emphasis for Tom and Vivian Braciale and their colleagues over the next several years will be to take clones of lymphocytes and reintroduce them into animals infected with viruses or bearing virus-altered tumors," said Lacy. "They will be trying to determine how these lymphocytes destroy the abnormal cells in the body."

In addition to their potential as a mode of therapy, the T lymphocyte clones have the immediate potential of being indispensable tools in basic immunology research. For example, Braciale has recently discovered that T lymphocytes involved in combating viral infection may play a role in the rejection of tissue that is transplanted from one animal to another. Specifically, experiments have shown that clones that can recognize a foreign virus can also recognize a normal cell that is not from the host animal. This result could have important repercussions in the field of human organ transplantation.

Research conducted by Braciale and others on the staff of the Cancer Immunology Laboratories is funded by the National Cancer Institute and a consortium of tobacco companies, including Philip Morris Inc., Brown & Williamson Tobacco Corp., R.J. Reynolds Tobacco Co., and the United States Tobacco Co.

Kling to speak at Eliot Honors; nearly 400 seniors to be cited

Approximately 389 graduating students will be recognized for their scholarship and leadership at the 28th Eliot Honors Convocation at 2:30 p.m. Thursday, May 19, in Graham Chapel. Speaking at the ceremony will be Merle Kling, WU provost and executive vice chancellor. The title of his talk is "Academic Honors and Cocktail."

Preceding his talk, two seniors in the College of Arts and Sciences, Joseph W. Crump and John A. Lombard, will each give an address. Crump will speak on "The Rights of Passage" and Lombard will speak on "Learning How Better to Care."

The Eliot Honors ceremony is dedicated to the memory of the Rev. William Greenleaf Eliot, a Unitarian minister and one of the founders of the University. Eliot was chancellor of WU from 1846-1877.

Students recognized at the ceremonies represent the top 10 percent of the graduating class of each undergraduate division. The convocation also recognizes graduating students for academic excellence and service to the University.

Kling, a WU faculty member since 1946 and a WU alumnus, twice served as dean of the Faculty of Arts and Sciences.

Washington University Record (USPS 600-430; ISSN 0745-2160), Volume 8, Number 35, May 12, 1983. Published weekly during the school year, except school holidays, from February 15, and August, at the Office of News and Information, campus box 1342, 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 1342, Washington University, St. Louis, Mo. 63130. Subscribers notify appropriate personnel or administrative officer of change of address.

Editor: Charlene Boman
Assistant Editor: Susan Keeling

(Editor Notes)
Pake receives Eliot Society Award for his service to the university

George E. Pake, vice president for corporate research for the Xerox Corporation, former WU faculty member and administrator, and newly named member of the board of trustees, received the William Greenleaf Eliot Award for his service to the university.

William V. Van Cleve, president of the board of trustees of the University's board of trustees, presented the award to the group's annual dinner meeting at the Bellefonte Country Club. The Eliot Society, founded after the University's founder, is an organization of alumni and friends.

Van Cleve presented Pake with a silver replica of the sculpture, "The Search," designed by professor of art Heikki Serpa.

Pake's association with WU dates to 1948, when he joined the faculty of the physics department. He later served as chairman. In 1956, he left WU to become professor of physics at Stanford University, but returned in 1962 as provost and professor of physics. In 1967 he became executive vice chancellor as well.

In 1970, having relinquished his administrative duties a year earlier to conduct research as Mallinckrodt Distinguished University Professor of Physics, Pake joined the Xerox Corporation. He established a research center in Palo Alto, Calif., that has been recognized over the past decade for its work in laser serigraphy, high-level programming languages, laser diode research and the physics of complex dynamical systems. Pake was a member of the University's board of trustees from 1970 to 1982. He was reelected to the board May 6. (See p. 2, col. 3.) He served as chairman of the Arts and Sciences Task Force of the Commission on the Future of WU.

Pake earned a bachelor and a master of science degree from Carnegie Institute of Technology in 1945 and a doctorate in physics from Harvard University. He was one of the first American scientists to apply magnetic resonance methods to the study of molecules.

Pake is a member of the National Academy of Sciences and the American Academy of Arts and Sciences and a fellow of the American Physical Society.

Soviet dissident to speak

Zhores Aleksandrovich Medvedev, Soviet author and scientist, will give an address on "The Rise of Yuri Andropov," at 7 p.m., Monday, May 16, at the Hilled Foundation, 6500 Forsyth Blvd. The lecture, to be given in English, is free and open to the public.

Medvedev, a geneticist, is currently living in England. During a trip to the West, his citizenship was revoked by the Soviet government.

He is the author of "The Rise and Fall of T. D. Lysenko," 1961. Isidore Silver, Rosa May Distinction and the first American to be so honored.

Rybalka is a world-renowned scholar of Sartre. His conversations with the philosopher in 1975 were published in 1981 as The Philosophy of Jean-Paul Sartre, volume 10, of The Library of Living Philosophers. Another book, Les Ecrits de Sartre (1970), has been translated in part into Japanese and was translated into English, revised and updated by the author and published in two volumes in 1974. Rybalka also collaborated on Sartre on Theatre (1977), and another book, Les Ecrits de jeunesse de Sartre, is in press.

Currently, Rybalka is working on a manuscript on the writer and filmmaker Alain Rohde-Griller, whose visit to WU in 1979 Rybalka organized. He also arranged the week-long visit of French dramatist and filmmaker Fernando Arabal last month.

Rybalka's teaching and scholarship in the area of contemporary French literature.

Rybalka was coeditor, with French journalist Michel Conna, of Ouvrages romanesques de Sartre, which appeared in early 1982. Published as a volume in the elegant Plaidee series by Gallimard, Paris, the collection includes an introduction, a detailed chronology and Sartre's fictional work: Nausica, The Wall, and Roads to Freedom. A number of never before published texts are also included: a short story, a series of letters to Simone de Beauvoir and the fourth volume of Roads to Freedom. Notes written by Rybalka and Contat on Nausica number over 100 pages alone.

Rybalka honored by France for contributions to French culture

Michel Rybalka, professor of French, has been named a Chevalier de l'Ordre des Palmes Academiques by the French government. The title, accompanied by a medal, is awarded by governmental decree to scholars and educators who have contributed to French culture.

The insignia was presented to Rybalka April 23 by Pierre Collombert, cultural attaché to the French Consulate in Chicago, at a private gathering at the University Club in Richmond Heights. In a short statement, Collombert cited Rybalka's teaching and scholarship in the area of contemporary French literature.

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Dedication ceremonies for the Richard L. Admussen Memorial Lounge in Kirkby Hall, named in honor of the last professor of French who died in April 1981, took place April 29.

To mark the occasion, the first Annual Admussen Prize for outstanding French undergraduate of the year was awarded to Mark D. Gross, a senior in the College of Arts and Sciences. Above, left to right, are James F. Jones Jr., associate professor of French, Judith Admussen, Admussen's widow; Chancellor William H. Danforth, Gross and Merle Kling, provost and executive vice chancellor.
In a little more than a week, these empty chair in Brookings quadrangle will be filled with excited graduates and their families. In the meantime, a variety of activities have been planned for the graduating seniors including picnics, parties, receptions and a special champagne toast.

Commencement

Latin American Studies Program. He earned his bachelor's, master's and doctoral degrees at WU. At the end of the present academic year, Kling will become Professor Emeritus of Political Science. He will receive an Honorary Doctor of Humanities degree.

General Roscoe Robinson, Jr., assumed his appointment as military resident to the NATO Military Committee in September 1982, when he was awarded his fourth star. A distinguished leader of the St. Louis investment community, Robinson is the first black officer to attain the rank of four star general in the U.S. Army. During his 32 years in the Army, Robinson has been a troop leader and commander, staff officer, instructor and military advisor. He has served overseas in Korea, Liberia, Vietnam, Japan and Belgium.

He earned a master's degree in international affairs from the University of Pittsburgh and is a graduate of the U.S. Army Command and General Staff College and the National War College. He will receive an Honorary Doctor of Laws degree.

John E. Simon has been a distinguished leader of the St. Louis investment community for more than half a century. Simon attended Smith Academy, a former boys' preparatory school, once a part of WU. After graduating from Harvard University and serving during World War I, Simon joined the firm of I.M. Simon & Company in St. Louis in 1918. Founded by his great-uncle in 1874, the firm is believed to be the third oldest New York Stock Exchange member firm and the oldest continuous member firm west of the Mississippi River. Simon became a partner in 1923 and is active today as a limited partner.

Simon has been a generous benefactor to education and medicine. Among his gifts to WU are two endowed chairs, the John and Adaline Simon Chair in Medicine and the John E. Simon Professor of Finance. Simon and his wife are life members of the William Greenleaf Eliot Society. He will receive an honorary Doctor of Humane Letters degree.

Rosalyn S. Yalow, nuclear physicist and researcher, shared the Nobel Prize in physiology or medicine in 1977, the first woman to be so honored since the late Dr. Gertrude B. Elion of WU received the prize in 1947. The award was given for the development of radioimmunoassay (RIA), a method using radioactive substances to detect and measure hormones in body fluids. RIA has since been widely employed by clinical diagnosticians and biomedical investigators to measure hundreds of substances, including hormones, viruses, enzymes, vitamins and drugs.

Yalow is senior medical investigator with Kimberly Woodley performing works of Scarlatti, Haydn, Beethoven and Chopin. Graham Chapel.

Exhibitions

"Core Exhibition," work by freshmen and sophomore students of the WU School of Fine Arts. Through August. Baby Gallery, 10 a.m. - 4 p.m. weekdays; 1-5 p.m. weekends. (No weekend hours after May 16.)

"Modern Drawings and Watercolors," Through May 29: Print Gallery, WU Gallery of Art, 10 a.m. - 5 p.m. weekdays; 1-5 p.m. weekends.


Calendar Deadline

The deadline to submit items for the June 2-5 issue of the WU Record is May 19. Items must be typed and state time, date, place, nature of event, sponsor and admission cost. In complete items will not be printed. If available, include speaker name and identification and the title of the event. Those submitting items, please in- clude your name and telephone number. Address items to King McElroy, calendar editor, Box 1142.

Trusted—continued from p. 2

A native of Jeffersonville, Ohio, Pakc earned his bachelor and master of science degrees from Carnegie Institute of Technology in 1945 and a doctorate in physics from Harvard University. On May 4 Pakc received WU's William Greenleaf Eliot Society award for 1983.

WU hosts microcomputer fair

A MicroFair will be held at WU from 9 a.m. to 4 p.m. Saturday, May 14, at the Women's Building Lounge on the north side of campus. Admission is free.

The purpose of the fair is to introduce the public to the numerous microcomputer resources available through the University. More than a dozen major computer vendors will demonstrate their latest products in microcomputers along with innovative software packages geared to the small business community, educators and administrators.

The MicroFair is sponsored by the University's Center for the Study of Data Processing. For more information, call 889-5530.

Musicians

Thursday, May 12

2 p.m. WU ROTC Commissioning Ceremony with speaker Capt. N. N. Neely, deputy commanding general, U.S. Army Training Center Engineer at Fort Leonard Wood, Mo. Graham Chapel.

9 p.m. First Reunion Party for class of 1983. Bowles Plaza.

Thursday, May 12

8 p.m. Department of Music Graduate Piano Recital, with Kimberly Wofford performing works of Scarlatti, Haydn, Beethoven and Chopin. Graham Chapel.

Sunday, May 15

8 p.m. Department of Music Graduate Piano Recital with Cynthia Harris performing works of Haydn, Beethoven and Chopin. Graham Chapel.

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