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THE ROCKEFELLER UNIVERSITY

news and notes

CHRISTMAS LECTURES

White blood cells, which play an essential role in defending the body against disease, will be discussed by Professor Samuel C. Silverstein, of the laboratory of cellular physiology and immunology, at the 22nd annual Alfred E. Mirsky Christmas Lectures on Science for high school students in Caspary Auditorium December 29 and 30.

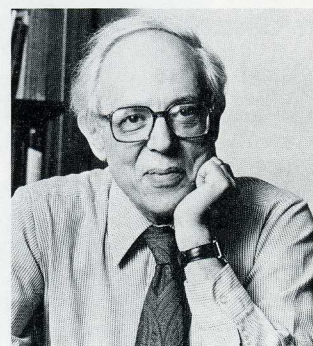
Dr. Silverstein, whose major interest is the macrophage, one of several types of phagocytic white blood cells, will explore their structure, how they eat and drink, their defense against microbes and tumors, and their role in the pathogenesis of Legionnaire's disease. Ongoing research on this disease by Drs. Silverstein and Marcus A. Horwitz led to the discovery that *Legionella pneumophila*, the bacteria which cause the disease, grow inside monocytes, white blood cells which usually defend the body against bacterial infection.

The Christmas Lectures are named for the late Rockefeller cell biologist who founded the series in 1959.

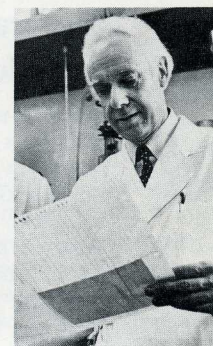
Moore, JDR Jr. Professor; Pais is Bronk Professor

Stanford Moore has been appointed John D. Rockefeller Jr. Professor, succeeding Maclyn McCarty, and Abraham Pais has become Detlev W. Bronk Professor, succeeding Frank Brink, Jr. Drs. McCarty and Brink became emeritus this year.

Dr. Moore, a biochemist whose research probes the relationships between the chemical structure of proteins and their biological activities, joined what was then The Rockefeller Institute for Medical Research in 1939. For 40 years he collaborated with William H. Stein, until Dr. Stein's death in 1980. In 1972, they shared a Nobel Prize in Chemistry for the first complete description of the chemical structure of an enzyme, pancreatic ribonuclease: a chain of 124 amino acids comprising 1,876 atoms. Earlier they had developed an automatic amino acid analyzer, an instrument now used widely in laboratories around the world to determine the structure of proteins and other biological substances.



Abraham Pais

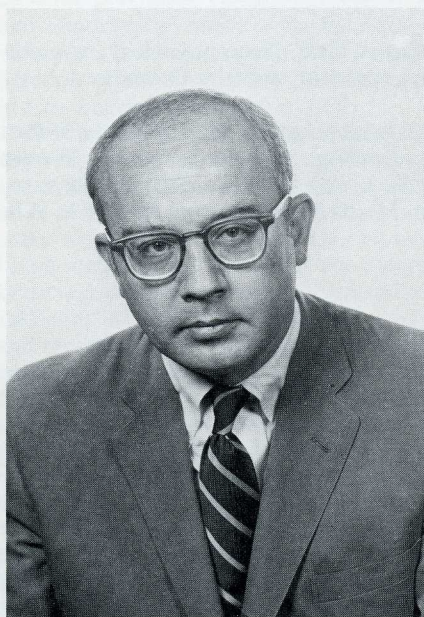


Stanford Moore

Dr. Pais is a theoretical physicist and one of the founders of the field of particle physics. He studies fundamental particle processes at high energies, symmetries of strong and weak interactions, and quantum field theory. He came to the University in 1963 from the Institute of Advanced Study in Princeton, where he had been associated since 1946 and where his colleagues included Albert Einstein. Dr. Pais's book, *Subtle Is the Lord ... The Science and the Life of Albert Einstein*, will be published in mid-1982 by Oxford University Press.

Two John D. Rockefeller Jr. chairs — the other is held by Norton D. Zinder — were established in 1977 with funds derived from the sale of the painting, *Antoine-Laurent Lavoisier and His Wife*, by Jacques-Louis David, which had been given to the University in 1927 by John D. Rockefeller, Jr. The Detlev W. Bronk Professorship — the University's first named chair — was created in 1972 to honor the man who served as president from 1953 to 1968 and who remained actively involved in University affairs as president emeritus until his death in 1975. The first Bronk Professor was H. Keffer Hartline whom Dr. Brink succeeded in 1974.

Kappas To New Professorship as Part of \$3.7 Million Grant From Fairchild Foundation



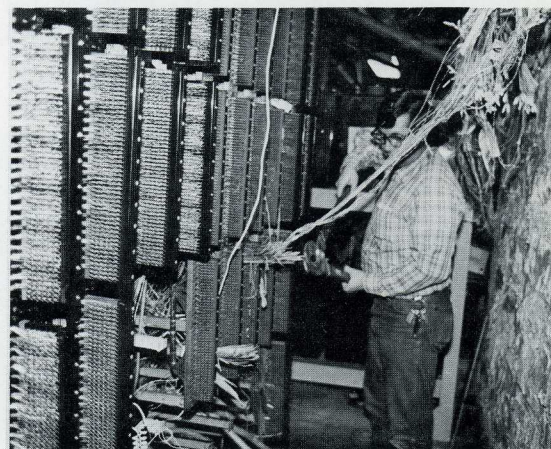
Attallah Kappas

Attallah Kappas, physician-in-chief of the Hospital and head of the metabolism-pharmacology laboratory, has been named to the first of two professorships to be endowed by the Sherman Fairchild

Foundation as part of a \$3.7 million grant to the University in support of clinical research at the Hospital. The grant also provides \$750,000 for general program support and \$500,000 for renovation and expansion of laboratory facilities.

Dr. Kappas, who holds an M.D. from the University of Chicago, is a leading authority on genetic liver disorders such as the porphyrias, diseases caused by drugs and environmental chemicals, and the biology and biochemistry of heme and the cytochrome P450 system. He came to Rockefeller in 1966 as a Guggenheim Fellow and guest investigator and was appointed professor in 1971 and physician-in-chief in 1974. His previous posts included a three-year American Cancer Society Research Fellowship at the Memorial Sloan-Kettering Cancer Center. He served on The University of Chicago School of Medicine faculty for ten years. During 1979-1981, he was the first to hold the Vincent Astor Chair in Clinical Science at Memorial Sloan-Kettering Cancer Center, while concurrently retaining his Rockefeller appointments as professor and physician-in-chief.

The Sherman Fairchild Foundation, with headquarters in Greenwich, Connecticut, was established in 1955 to support a variety of national programs in education, health and medicine, and social services.



5:01 P.M., October 30. The University's phone system acquired a new "Dimension". (see page 3)



Left to right: Susan Timares, Jeffrey Diaz, and Josephine Cabrera.

Program Offers Confidential Help

Most of us have problems at some time in our lives — family problems, financial problems, work problems. When they go on too long or become chronic, they can seriously affect our emotional well-being and job performance. Even when we recognize that we can no longer cope alone, the task of finding proper professional help can be confusing and expensive.

For these reasons, the University, in conjunction with neighboring Memorial Sloan-Kettering, New York Hospital, Cornell Medical College, and the Hospital for Special Surgery, started an Employee Assistance Program. Following a pilot year during which they ascertained the program's effectiveness, the cooperating institutions now are eager to make its services more widely known to those it is designed to serve, according to John O'Donnell, the University's personnel director and a member of the EAP board of directors.

As he states: "The program is open to all employees and to members of their families without charge. It offers immediate, short-term counseling by trained professionals and, if needed, referral to known and approved therapeutic services in the community. Participation is absolutely confidential and will in no way jeopardize job standing."

EAP's full-time counselors are Susan M. Timares, program coordinator, and Jeffrey E. Diaz, both graduates of the Columbia School of Social Work. They work in consultation with Dr. Robert B. Millman, medical director of EAP, who is a psychiatrist and clinical professor of public health and associate professor of clinical psychiatry at Cornell University Medical College. Ms. Timares, who has had broad experience in individual and family therapy, has been associated with Mount Sinai Hospital and the Nassau County Department of Social Services and was most recently assistant administrator of The New York Hospital-Cornell Medical Center Adolescent Development Program. Mr. Diaz has been a child guidance counselor and a caseworker for the International Ladies Garment Worker's Union and the Washington Heights West Harlem Community Mental Health Center.

Appointments to see Ms. Timares or Mr. Diaz can be made directly by calling Administrative Secretary Josephine Cabrera at 472-4946. The EAP office is located in a building separate from the participating institutions, at 449 East 68 Street. Both Ms. Cabrera and Mr. Diaz are Spanish-speaking.

Corner Dies

George W. Corner, scientist, teacher, and author of *A History of The Rockefeller Institute 1901-1953*, died September 28. He was 91 years old.

At commencement ceremonies in June 1976, Dr. Corner was awarded an honorary doctor of science degree. Trustee Alexander G. Bearn presented the degree and said of Dr. Corner, "He came to The Rockefeller University where he wrote our history while he dwelt among us, enriching our lives with his scientific wisdom and his knowledge of medical history. A scientist whose ink never clogs his pen, his writings on the history of medicine combine an enviable felicity of expression with deep scholarship."

Dr. Corner's research in human reproduction and sexuality at the Johns Hopkins Medical School, University of Rochester, and the Carnegie Institute helped lay the foundation for development of the contraceptive pill.

It Can Save \$\$\$

In 1980, we were very successful in energy conservation. Our total kilowatt-hours of consumption were 21,394,540 as compared to 1979's total of 21,714,900. But we've started slipping. In 1981, our kilowatt-hours of consumption went up to 23,148,159. Please join in a cooperative effort to keep energy costs down. The University paid \$2,509,006 for electricity and steam in 1979 and \$4,124,017 in 1981.* Conservation is our only way to cope with inflation.

*Fiscal year: July 1, 1980-June 30, 1981.

PROMOTIONS

Konstantin Goulianos, Experimental High-Energy Physics, to professor, effective November 1.

Lewis C. Krey, Neuroendocrinology, to associate professor, effective November 1.

Freja Kamel, Neuroendocrinology, to assistant professor, effective September 1.

Young To New Post

Vice President Richard S. Young will leave the University to become executive director of the American Society for Cell Biology in Bethesda, Maryland, beginning January 1. Since his appointment at Rockefeller in the fall of 1979, Dr. Young has assisted with program management and special University-wide projects as well as matters affecting junior faculty. Previously he had been chief of the bioscience division of the National Aeronautics and Space Administration (NASA) and chief program scientist for the Viking Mars Lander program.

HONORS & AWARDS

Trustee **Brooke Astor**, president of the Vincent Astor Foundation, was one of two recipients of the annual Man of Conscience Award of the Appeal of Conscience Foundation, presented at a dinner in New York on October 27. She was cited for her philanthropic contributions and leadership in support of the arts, education, and culture.

Trustee **Philip Handler**, former president of the National Academy of Sciences, received the National Medal of Science, the nation's highest scientific award, on October 11 for his "outstanding contributions to biochemical research resulting in significant contributions to mankind including research that led to a clearer understanding of pellagra."

Adjunct Professor **Sheldon J. Segal** received the 1981 Joseph C. Wilson Award for achievement in international affairs, awarded by the Rochester Association for the United Nations in association with the University of Rochester on October 29. Dr. Segal directs the Population Sciences Program of The Rockefeller Foundation.

APPOINTMENTS

Abraham Sanders, Human Behavior and Metabolism, as assistant professor, effective September 1.

Alan H. Fairlamb, Medical Biochemistry, as assistant professor, effective October 1.

Werner Graf, Neurophysiology, as assistant professor, effective December 1.

As members of the adjunct faculty: **Robert J. Dooling**, **Andrew J. Drexler**, **Warren Jelinek**, **Joseph Levin**, **William Marciano**, **D. Martin Watterson**, and **Edward B. Ziff**.

Bang Dies

Frederick Barry Bang, a pioneer in applying marine biology to medical research, died on October 5 at the age of 64. He was an assistant member in the animal pathology laboratory at Rockefeller from 1941 to 1947, spending three years of that time in the U.S. Army Medical Corps. At the time of his death, he was chairman of the pathobiology department of the Johns Hopkins School of Hygiene and Public Health. In the 1950's, he was director of the International Center for Medical Research and Training in Calcutta, India, affiliated with the Johns Hopkins School of Hygiene. Much of the work of the center was devoted to diarrheal diseases. Dr. Bang, with Dr. Jack Levin, developed the *Limulus* test for endotoxin.

New Tuition Loan Plan

Here's some news that may help to lighten the post holiday money woes. Effective December 1, the University adopted a new plan under which any full-time Rockefeller employee in good standing may apply for an interest-free loan up to the amount of ten percent of his or her gross income for payment of school tuition for himself or herself, a spouse, or children, to be paid back through regular payroll deductions. The plan, which is being administered through the office of Treasurer Sydney A. Woodd-Cahusac, is applicable toward tuition for day care centers, nursery, elementary, and secondary schools, junior college, college, and technical and vocational schools. (Legal restrictions prevent The Rockefeller University Children's School from qualifying for this program.)

For more information, call Mr. Woodd-Cahusac's office.

Stein Lecture

Robert L. Hill, James B. Duke Professor of Biochemistry, Duke University, will deliver The William H. Stein Memorial Lecture on January 22. The Stein Lectures are named in honor of the internationally acclaimed Rockefeller biochemist.

The lecture will be presented at 3:45 in Caspary Auditorium as part of the regular Friday afternoon research colloquia open to all members of the University campus.

Hormones and Behavior

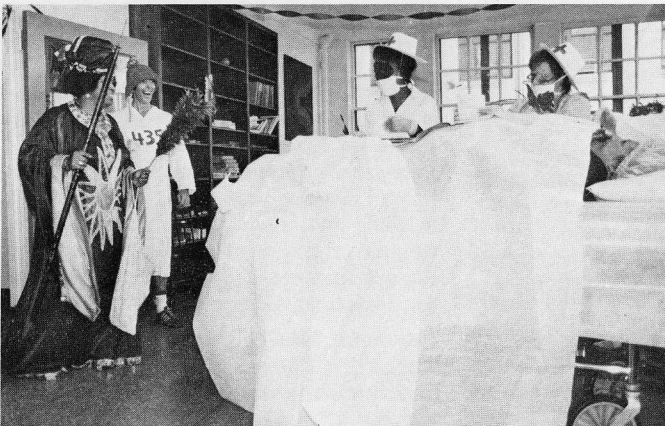
Hormones may be involved in a much wider range of brain functions and behaviors than has been previously suspected, reported Professors Fernando Nottebohm and Timothy DeVoogd, of the laboratory of animal behavior, at the 11th Annual Meeting of the Society for Neuroscience in Los Angeles held October 18 to 23.

The development of singing in canaries depends on the presence of testosterone, the male sex hormone. Females, which have virtually no testosterone, do not sing. In previous research, Dr. Nottebohm identified the centers in the canary brain that control singing, and he and Dr. DeVoogd determined that these centers and the nerve cells within them are nearly twice as large in males as they are in females. They now report that giving testosterone to an adult female will cause these nerve cells to grow to nearly the size of male cells and will cause the females to begin singing.

In other recent research, Dr. Nottebohm has found that the size of song areas in the brain of adult male canaries changes seasonally, possibly in relation to blood levels of testicular hormones. These brain areas are large in the spring, when birds are in song, and small in late summer, when these birds are silent. Adult male canaries learn a new song repertoire every year. Dr. Nottebohm speculates that the volume of brain nuclei controlling song changes in relation to the learning and forgetting of the song repertoire.



Women on the run. Peggy Hempstead, right, and Helen Hymerling, finish in 4:39 and 4:21, respectively, in the New York City Marathon on October 25. (Also-rans: Brian Chait, 3:32; Larry Feldman, 3:41; Marc Goldstein, Population Council, 3:24; Konstantin Goulianos, 3:22; Talbot Katz, 4:37; Sam Koide, Population Council, 4:41; Lawrence Pfeffer, 3:50; Gregory Snow, 3:12; Robert Waters, 4:06.)



Patients stage a Halloween spoof at Hospital party. Left to right: "Witch" Theodora Baker; center, "Lone Ranger" Michele Deane, "Dr. Lahita-Kilpatrick" Rose D'Amato, and "Patient" Beverley Rashkin.

Below: early photo of the children's gardens at Rockefeller. From one of the two historical exhibitions currently on view in the Library, assembled and arranged by University Archivist Carolyn Kopp.

New Phones and Other Things

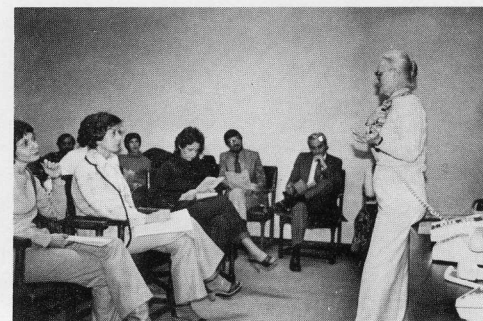
A new line on security for Sergeant Bathurst Muir, left, and Captain Robert Davis.



Kenneth Schmitt, Plant Operations, with the telephone company's intercept operators.



For Operator Jean Montalbano, "It's more efficient."



Telephone company instructor tells us how it works.

In Case of Snow

If it's snowing and the way to your office or lab has not yet been shoveled when you arrive at the University, don't attempt to plow through a foot of snow. For your own safety, go to the nearest cleared entrance.

The first areas cleared are the 66th Street driveway and the entrances to Founder's and Flexner Hall and the Hospital; second, the Flexner Hall receiving and parking areas, the 64th Street receiving and parking areas, and the York Avenue sidewalks; third, the 65th Street and 68th Street parking lots and the internal walks; fourth, the entrance to the Children's School and the 68th Street sidewalk.

PERSONALS

Born October 28 to **Kathy Kleinbard**, administrator of the Hospital, and her husband, Kris Heinzelman, a daughter, Kate Elizabeth, their first child.

Development Officer **Richard M. Robinson** was married on September 26 to Melodie Staubach.

Assistant for Research **Kristen Wiese**, Chemical Biology, was married on October 3 to William Earl Donelan, an M.B.A. candidate at New York University who is an associate at Haiti Stitch Co., apparel manufacturers and importers.

DEATH

Alfretta Maures, 80, a laboratory helper from 1948 until her retirement in 1966, on October 15.

IN PRINT

Celebrations of Life, by Professor **René J. Dubos**, has been published by McGraw-Hill. In the book, Dr. Dubos examines how world problems can be resolved on the individual and local levels. As he writes, "The most distressing aspect of the modern world is not the gravity of its problems . . . It is the dampening of the human spirit which causes many contemporary people . . . to lose their pride in being human and to doubt that we shall be able to cope with our problems and those of the future."

Assessment of Health Effects at Chemical Disposal Sites, the proceedings of a symposium held by the University's Life Sciences and Public Policy Program in June, has been published by William Kaufmann, Inc. The volume, edited by Program Director **William W. Lowrance**, presents the commissioned papers and an interpretive summary of the symposium.

BRIEFS

Professors **Christian de Duve**, Biochemical Cytology, and **Fritz Lipmann**, Biosynthesis, were speakers at the meeting of Nobel laureates, held in Lindau, West Germany on July 1. Dr. de Duve spoke on A New Approach to the Chemotherapy of Cancer and Parasitic Diseases and Dr. Lipmann on The Flux of Energy Through, and Its Distribution In, Living Organisms.

The annual Lipmann Lecture was presented at the joint meeting of the German, Swiss, and French Biochemical Societies in Strasbourg on September 23 by Dr. Helmut Hilz of the University of Hamburg, a former member of Dr. Lipmann's lab.

Senior Research Associate **Elaine G. Diacumakos**, Cytobiology, was a visiting scientist from mid-June to mid-July at the Institute for Research in Molecular Biology, Paris, in the physiological genetics laboratory of Dr. Jacques Jami. In addition to teaching and conducting experiments, she lectured at the institute and also at the Pasteur Institute in Paris and at the Center for Molecular Genetics in Gif-sur-Yvette.

Raymond Fastiggi, accounts manager, Rockefeller University Press, participated in a workshop on good production practices for journals, sponsored by the Professional and Scholarly Publishing Division of the Association of American Publishers held in New York, November 19.

Senior Research Associate **Mary Jeanne Kreek**, Biology of Addictive Diseases, lectured on the quantitative analyses of narcotics and on the endocrine effects and interactions of narcotics and endorphins, at the American Society for Mass Spectrometry, in Minneapolis, on May 28; at the Endocrine Society, in Cincinnati, on June 18; and at the International Narcotics Research Conference in Kyoto, Japan, on July 29. She received the National Institutes of Health-Fogarty Traveling Fellowship to present her research at the Kyoto meeting.

President Lederberg has been appointed to an advisory council to the director of The John Curtin School of Medical Research of The Australian National University, Canberra.

Professor **Maclyn McCarty**, Bacteriology and Immunology, delivered the opening address at the American Society for Microbiology International Conference on Streptococcal Genetics, held November 9-12 in Sarasota, Florida. He spoke on Streptococci and the Birth of Molecular Genetics.

For the Annual Meeting of the American Association for the Advancement of Science, held in Washington January 3-8, Professor **Bruce S. McEwen**, Neuroendocrinology, arranged a symposium on Sexual Differentiation: Brain and Behavior, and Executive Vice-President **Rodney W. Nichols** helped to arrange a symposium entitled Technology for Defense: What's Needed?, and another called Managing Peaceful Change: East-West and North-South Issues.

Humanities Series

The Seminars in the Humanities, a joint series of monthly lectures inaugurated last year by Rockefeller University and New York University, began in October and will continue through May, meeting at 12 noon on the first Wednesday of each month.

New York University humanists will discuss their recent research or examine a specific problem in their disciplines. Upcoming speakers will be: Aileen Ward on The Nature of Biographical Evidence (February 3), David A. King on Science in the Service of Islam (March 3), Josephine Hendin on Violence in American Fiction (April 7), and Robert B. McKay on Doctor, Lawyer, Merchant, Chief: Can They Be Made Ethical? (May 5).

The series is open to all interested members of the Rockefeller community.

"Landscapes of Hope", a film on Professor René J. Dubos, will be aired on PBS, Channel 13, January 4 at 10:30 P.M.

Professor **Neal E. Miller**, Physiological Psychology, spoke on research on behavioral medicine at a symposium sponsored by the Scientific Affairs Division of NATO at Porto Carras, Greece, held June 30-July 3. He also spoke at a seminar at the NASA Research Center in Ames, California on August 21, and at the meetings of the American Psychological Association in Los Angeles where, as president of the Division of Health Psychology, he delivered an address on Symbiosis between Clinic and Laboratory.

Professor **Donald W. Pfaff**, Neurobiology and Behavior, delivered an invited address on Interactions of Steroid and Peptide Hormones for the Determination of Hypothalamic Output to Midbrain, at the British Society for Endocrinology Harris Memorial Symposium held in London, November 25. Papers by Dr. Pfaff and members of his laboratory, including **Philip A. Femano**, **Susan Schwartz-Giblin**, **Richard E. Harlan**, **Lee-Ming Kow**, **Joan I. Morrell**, and **Brenda D. Shivers**, were presented at the 11th Annual Meeting of the Society for Neuroscience, held in Los Angeles, October 18-23.

Professor **Sebastian White**, Experimental High-Energy Physics, gave two seminar workshops on Rapid and Simple Methods for Detecting and Quantitating Radioactivity in Polyacrylamide Gels, at the meeting, Life Science '81, held November 3-5 in New York under the sponsorship of Biomedical Products. Dr. White was one of a Rockefeller team, including Professor **Konstantin Goulianos** and Graduate Fellow **Karen Smith**, that applied techniques of high-energy physics to design an improved apparatus for rapid analysis of electrophoretograms (see *news and notes*, October 1980).