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The Rockefeller University

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# THE ROCKEFELLER UNIVERSITY

## news and notes

### Kaiser Named Haggerty Professor

The board of trustees has announced the establishment of the Patrick E. and Beatrice M. Haggerty Professorship, in honor of the late board chairman and his widow, and has named Emil Thomas Kaiser as its first holder. Support for the new professorship comes from funds contributed to the University by Mr. and Mrs. Haggerty.

A leading entrepreneur in the field of electronics, Mr. Haggerty served as president and later chairman of Texas Instruments, Inc. He became a Rockefeller trustee in 1970 and was elected chairman in 1975, a post he held until his death in 1980.

Dr. Kaiser has been a member of the University's faculty since 1982, when he established the laboratory of bioorganic chemistry and biochemistry. His interest is in enzymes and other catalytic agents that initiate chemical reactions in the body. He has described the active sites of a number of enzymes, and from this work has gone

on to create synthetic enzymes in which the catalytic properties are modified. Such tailor-made molecules are helping to explain biochemical activity and are being studied for their possible usefulness as therapeutic agents. Recently, he and his laboratory colleagues have developed new concepts which have allowed them to design a variety of other biologically active molecules including hormones and lipoproteins. The latter are important in the process of atherosclerosis.

Before coming to Rockefeller, Dr. Kaiser was Louis Block Professor at the University of Chicago, where he was affiliated for 20 years and from which he received his B.S. degree in 1956. He received a Ph.D. in chemistry from Harvard in 1959.

President Lederberg and Dr. Kaiser had an opportunity to express the University's appreciation to Mrs. Haggerty in person in October when she paid a visit to the campus from her home in Texas. □

### Conference on Aging

Aging and the Dementias, a conference co-sponsored by the University and Montefiore Medical Center, will be held in Caspary Auditorium, October 24 and 25. A number of University scientists will participate in the symposium, which is devoted to the physiological and social aspects of aging.

Professor Charles Ouimet will speak on Regionally Distributed Phosphoproteins in the Brain. Postdoctoral Associate Robert M. Sapolsky will present a paper on Hippocampal Neuronal Loss During Aging: Role of Glucocorticoids, which he co-authored with Professors Bruce S. McEwen and Lewis Krey. Professor Victoria Luine will speak on Gonadal Hormone Effects on Basal Forebrain Cholinergic Nuclei; Senior Research Associate Mary Jeanne Kreek, on Opioids and Gastrointestinal Function in Aging; and Professor Howard Fillit, on Autoimmune Aspects of Alzheimer's Dementia.

Admission to the conference, which begins at 8 A.M. both days, is open to members of the Rockefeller community. Additional information may be obtained from the conference coordinator, Dr. Harry M. Zimmerman, at the Montefiore Centennial Series, 920-4021. □

#### ONE DAY ONLY

Don't miss the Children's School Book Fair, Wednesday, November 28, Tower Lobby, 9 to 5. Credit cards and checks accepted.

### Mayor Responds to Concern about 63rd Street

For years, members of the Rockefeller community, along with a number of community groups including Community Board 8, have been concerned about pedestrian and traffic hazards at the 63rd Street and York Avenue intersection. They have made repeated demands for action to be taken by city agencies.

The problem was underscored by an accident on June 15 when a faculty member's wife and their two children were pinned beneath a car struck by another which had jumped the safety island. Fortunately, their injuries were promptly dealt with and the outcome was far less grave than it might have been.

Following the accident, President Lederberg wrote to Mayor Koch, urgently reiterating the community's concern that measures be taken for pedestrian protection. In response, the Department of Transportation announced certain plans as outlined in a letter to President Lederberg from Bruce Field, director of the community assistance unit of the Mayor's office.

At this writing, "Yield to Pedestrian" and "Crosswalk" signs have been placed at the intersection. Pedestrian crosswalks have been painted on the north and east sides. An analysis of pedestrian and traffic movements is underway to determine if the traffic signal's timing should be changed. Future plans include the erection of an advance warning sign, "Pedestrian

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Maclyn McCarty, right, receiving the Who's Who in America Achievement Award from Kenneth Petchenik, left, president of Marquis Who's Who, Inc., and historian Lawrence A. Cremin, chairman of the selection committee and former president of Teachers College, Columbia University.

### HONORS & AWARDS

Professor **Jan L. Breslow**, Biochemical Genetics and Metabolism, received the 1984 E. Mead Johnson Award for Research in Pediatrics from the American Academy of Pediatrics, in recognition of his "outstanding work in the area of the genetic basis of the lipoprotein disorders." The Academy's major mid-career award was presented at the annual meeting, in Chicago, September 15-20, where Dr. Breslow also addressed a plenary session. The title of his talk was Human Apolipoprotein Genetic Variation.

Professor **Maclyn McCarty**, Bacteriology and Immunology, and Adjunct Professor **Robert K. Merton**, University Professor Emeritus, Columbia University, were among the five winners of the first Achievement Awards of Who's Who in America. The awards recognize "those individuals judged by their peers across the spectrum of arts, sciences, and business to have made a positive impact on society through their creativity or exemplary accomplishments." They were presented at ceremonies at the Pierpont Morgan Library in New York, September 24.

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Trisha Young of the public information office demonstrates the new emergency call box outside the Plaza Building. See story page 2.



Crossing," and construction of a more visible safety island.

Other steps under review include the installation of pipe barriers to the island and to the southeast corner outside Faculty House. Southbound lanes between 62nd and 63rd Streets may be painted to distinguish the right and left lanes approaching the intersection.

Commenting on the situation, Vice President David J. Lyons stated, "The city's efforts, while appreciated, have been inadequate to correct this very serious situation. Until additional pedestrian safety measures can be implemented, we have requested the city to assign a police officer to this corner." □

## New Safety Measures

The Security Office has instituted two new safety measures: closed-circuit television monitoring throughout the campus and emergency call boxes at isolated locations.

The closed-circuit system, based on fiber optic cables that run underground, will enable security personnel to make certain unwanted intruders do not gain entry to the campus. The cameras will be installed on the building exteriors. Installation has been completed in the Graduate Students' Residence.

The locations of the emergency call boxes are: outside the exit of the Plaza Building to the Tower Building; C floor tunnel, Tower Building; tennis court; first floor, Graduate Students' Residence; second floor, Sophie Fricke Hall; outside LARC near the 64th St. guard house; 68th St. guard house; 67th St. guard house; courtyard between Smith and Flexner on the wall of Smith; C floor of the Hospital near the darkroom; D floor of Smith Hall Annex near the exit. □

## Lipmann at 85

The first 33 pages of *Annual Review of Biochemistry*, 1984 is devoted to an autobiographical sketch by Professor Fritz Lipmann, who this year celebrates his 85th birthday.

Dr. Lipmann's research into the ways in which cells use energy and his discovery of coenzyme A, one of the most important substances in body metabolism, led to a Nobel Prize in 1953. In his article, "A Long Life in Times of Great Upheaval," he intersperses the story of the development of his scientific career with personal reminiscences of the exciting intellectual and artistic milieu of his native Germany in the years before the rise of Nazism. He first came to this campus in 1931 as a Rockefeller Foundation Fellow. After appointments in Copenhagen and at Cornell University Medical College and Harvard Medical School, he returned to Rockefeller in 1957 to form the laboratory of biosynthesis, which he still heads.

Dr. Lipmann presented an invited lecture, Comparison of Phosphorylation and Sulfation of Proteins: the Decrease in Sulfated Proteins and Uptake of Sulfate in Avian Sarcoma Virus-infected Rat Embryo Fibroblasts, at the third Lipmann Symposium, held at Lake Kawaguchi, Japan, May 24 to 28. Present were 55 alumni of his laboratory. Two earlier Lipmann symposia were held in Berlin in 1974, and Paris in 1979, on the occasions of his 75th and 80th birthdays. □

## APPOINTMENTS

**Eliot A. Brinton** and **Sheldon I. Feinstein**, Biochemical Genetics and Metabolism, **Fred H. Pruslin**, Cell Biology, and **Alan R. Saltiel**, Biochemical Endocrinology, as assistant professors, effective July 1.

## PROMOTIONS

**Victoria N. Luine**, Neuroendocrinology, to associate professor, effective July 1.

**Richard L. Huganir**, Molecular and Cellular Neuroscience, **Ellen Pure** and **Samuel D. Wright**, Cellular Physiology, and **Creuza S. Simionatto**, Metabolism-Pharmacology, to assistant professor, effective July 1.

**Kensuke Horiuchi**, Genetics, to Senior Research Associate, effective July 1.

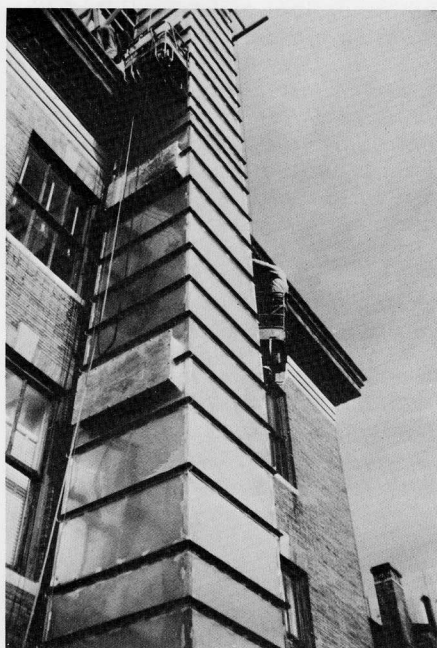
**Charles C. Ouimet**, Molecular and Cellular Neuroscience, to assistant professor, effective August 1.

## PERSONALS

Professor **Michael Brownlee**, Medical Biochemistry, was married to Karen White Schneider, communications and public relations manager for the Juvenile Diabetes Foundation International in New York, June 23.

Postdoctoral associate **Andrew J. Czerwik, Jr.**, Molecular and Cellular Neuroscience, was married to Lynn Brooks Mellor, a research biologist at Ciba-Geigy, on August 12.

Born August 7 to **Kathy Kleinbard**, administrator of the Hospital, and her husband, Kris Heinzelman, a daughter, Adrian, their second child.



## Upgrading Smith, Flexner; Tower Gets Greenhouse

A \$750,000 renovation effort in Smith and Flexner Halls was begun this summer in preparation for the needed expansion and modernization of existing laboratories. "Upgrading rather than new construction was elected because the buildings are ideal for renovation," stated Thomas P. McGinnity, director of physical facilities. "They are structurally sound with good accessibility for new utility lines."

The first step is to provide adequate chilled water for air conditioning. Over the years, about a ton of refrigeration has been installed for every 250 to 300 square feet. The current design calls for one ton for every 100 square feet. A new 12-ton refrigeration unit was installed this summer next to Flexner and will be joined to the 130-ton unit serving Smith Annex.

*Installation of the air duct on the east wall of Flexner.*

A major problem in providing for a laboratory's expanded needs is ventilation and exhaust. For example, one floor in Flexner had a previous requirement of 3,000 cubic feet per meter, which has increased to 33,000 cubic feet. To cope with this problem, four new air ducts have been built: two outside Smith, one inside Flexner, and one outside Flexner. Each has an exhaust capacity of 100,000 cubic feet per meter. The next step in the renovation process calls for the installation of two small stand-by generators.

Mr. McGinnity also announced that construction has begun on a greenhouse on top of the Tower Building, which will be used by the plant molecular biology laboratory of Professor Nam-Hai Chua. The 65 by 25 foot structure, to be located on the roof's eastern quadrant, will replace the present greenhouse on the roof of Flexner Hall. □



## HONORS & AWARDS

(continued from page 1)

Professor **Neal E. Miller**, Physiological Psychology, received the Anokhin Medal, at the International Pavlovian Conference: In Memoriam P.K. Anokhim, held June 26-29 in Moscow, U.S.S.R. The medal was presented for distinguished research in the neurophysiology of higher mental processes. At the conference, Dr. Miller was chairman of a section on Emotional Stress and delivered an invited lecture, Effects of Emotional Stress on the Immune System. On August 26, Dr. Miller presented a lecture, The Value of Behavioral Research on Animals, at the annual meeting of the American Psychological Association in Toronto.

Professor **Floyd Ratliff**, Biophysics, received the Distinguished Scientific Award of the American Psychological Association, "for uniquely combining psychology with physiology, physics, and mathematics in objective explorations of visual perception," at its annual meeting, held in Toronto, August 26.

## New Students

The University's new students include 19 Ph.D. candidates and five biomedical fellows who will earn a Ph.D. from Rockefeller and an M.D. from the Cornell University Medical College.

The new graduate fellows are:

Annette Andrutis, *Northeastern University*

Marian Birkeland, *Reed College*

Robert Bluhm, *New York University; Princeton University; Columbia University*

John Delaney, *Worcester Polytechnic Institute*

Carla Grandori, *University of Rome School of Medicine*

Arlene Hirano, *University of California, Irvine*

Karl Kitchener, *State University of New York at Binghamton*

Sally Kornbluth, *Williams College; Cambridge University*

Genevieve Laforet, *Radcliffe College; Duke University*

Daniel Lew, *Cambridge University*

Seth Lloyd, *Harvard College; Cambridge University*

Berkley Lynch, *Oberlin College*

Bruce Mayer, *Wesleyan University*

Constance Scharff, *Philipps-Universität Marburg; Adelphi University*

Lauri Scinto, *Haverford College*

Jane Sullivan, *Amherst College*

Esbeth Walker, *Mount Holyoke College*

Martin Waters, *Hofstra University*

The new biomedical fellows are:

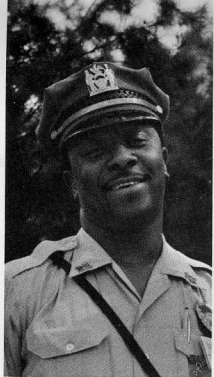
Joseph Heitman, *University of Chicago*

Roy Herbst, *Yale University*

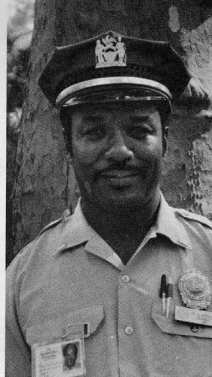
Joshua Metlay, *Yale University*

Robert Morrison, *Johns Hopkins University*

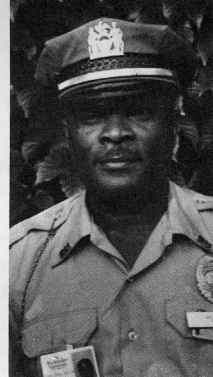
Nina Taggart, *Bryn Mawr College; Haverford College*



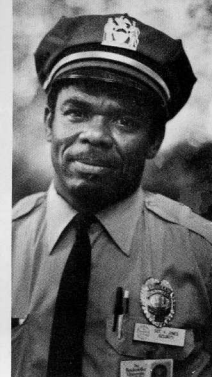
Audley  
White



Edward  
Hutchins



Mowbray  
Clarke



Vivian  
Jones



Charles  
Liverpool

## Security Promotions

Edward Hutchins, a 12-year veteran of the University's security office, has been promoted to lieutenant and Audley White, who started in 1971, to sergeant. The promotions, according to Security Director Edward Clarke, are "in recognition of their past performance and loyalty to the department."

Lt. Hutchins and Sgt. White, along with Sgts. Mowbray M. Clarke, Vivian

Jones, and Charles V. Liverpool, also have been accorded special patrolman status by the New York City Police Department. They now join Lts. Harold Taitt, Pedro Torres, Sgt. Rosario Rosario, and Security Guard Gregorio Rosario, as deputized officers empowered to make arrests, issue summons and desk appearance tickets, control crowds, and maintain order in public buildings. □

## VOLUNTEERS NEEDED

The volunteer science-teaching program at P.S. 183, 419 East 66th St., is now in its fifth year. To continue its success, the program needs more volunteers to teach 4th, 5th, and 6th grade biology, chemistry, and physics. Each volunteer teaches only four to five hours during the school year and previous teaching experience is not necessary. Those interested should call Professor David Gadsby, the program coordinator, on extension 8617.

## Thomas Rainbow Dies

Thomas C. Rainbow, 30, a member of the adjunct faculty and formerly assistant professor in the neuroendocrinology laboratory of Professor Bruce McEwen, died September 6 of injuries sustained in an accident at the Trenton, New Jersey train station.

Dr. Rainbow came to the University in 1979 as a postdoctoral fellow, and left in 1982 to become an assistant professor in the pharmacology department of the University of Pennsylvania, where he held a Sloan Fellowship for Neuroscience and a Klingenstein Fund Fellowship, and received an American Heart Association Established Investigator Award.

His research at Rockefeller, which centered on how steroid hormones affect brain processes underlying behavior and for which he devised methods for precisely measuring hormone-induced chemical changes in the brain, led to the publication of two dozen papers. At the University of Pennsylvania, he set up improved instrumentation for quantitative neurotransmitter autoradiography, which has many applications for the study of the topography of brain chemicals.

"Dr. Rainbow was an outstanding young neuroscientist and a person with a magic ability to interact with people and inspire students," stated Dr. McEwen. □

## Book by de Duve Offers Tour of the Cell

A book by Andrew W. Mellon Professor Christian de Duve will be published this fall by Scientific American Books, Inc., in collaboration with The Rockefeller University Press. The two-volume set, *A Guided Tour of the Living Cell*, takes the reader on a voyage through the microscopic world of the cell. Dr. de Duve, who heads the University's laboratory of biochemical cytology, acts as a guide as the reader "travels" from one cell structure to another. In 1974 Dr. de Duve shared the Nobel Prize in Physiology or Medicine with the late Albert Claude and George Palade, now at Yale, both of whom spent many years at Rockefeller. □

## Nicholson Exchange Fund

The first fellowship in the Gunnar and Lillian Nicholson Exchange Fund for Biomedical Students, a new program to promote the exchange of scholars between Rockefeller and the Karolinska Institute in Sweden, was awarded to Dr. Goran Sedvall of Karolinska. He will spend a year in Professor Paul Greengard's laboratory of molecular and cellular neuroscience.

The fellowship is awarded alternately for work at each institution, and is administered by a joint committee, with Professor Purnell W. Choppin, Vice President for Academic Programs, as program coordinator.

Gunnar W. E. Nicholson, industrialist and chemical engineer, established the exchange fund with a gift of \$1,000,000. A resident of New York City, he is a former president of the Technical Association of the Pulp and Paper Industry and retired in 1968 as president and chief executive officer of the Tennessee River Pulp and Paper Company. □



The plaque reads, "For the good of Rocky U, 28 years." Eugene H. Kone, right, public information associate, at a party in honor of his retirement on September 19, with Fulvio Bardossi, public information director. Below, Mr. Kone receives the congratulations of Dennis Flanagan, of *Scientific American*, Catherine Rogers, public information office, and granddaughter Johannah (back to camera), who, with his wife Estelle, children, and other grandchildren, enjoyed the festivities. Speakers who hailed the honoree, past, present, and always were Mabel Bright, former assistant to the late Detlev Bronk, President Emeritus Frederick Seitz, *New York Times* science writer, Harold M. Schmeck, Jr., and Mr. Bardossi.



## NYU-RU Seminars

The fifth season of the New York University-Rockefeller University Joint Program in Science and the Humanities is underway. The program consists of informal noontime talks by Rockefeller scientists at NYU and NYU professors here.

The humanities seminars, open to all members of the Rockefeller community, meet in Room 301, Tower. Coffee is served and participants are welcome to bring bag lunches. The NYU speakers and topics are: John E. Sexton, *Developments in Religion and the Law* (October 3); Marilyn Gelfman Karp, *The Civilizing and Resurrection of Objects or the Chemistry of Collecting* (November 7); Wassily Leontief, *The Technical Change and its Economic and Social Implications* (December 5); Steven J. Brams, *Superpower Games: Applying Game Theory to Superpower Conflict* (February 6); Brian Norman Winston, "What Information Revolution?": *Technological Change in Telecommunications* (March 6); and Barbara Kirschenbach-Gimblett, *The Aesthetics and Ethics of Tourism: Case Studies from the Third World* (April 3).

Rockefeller scientists who will conduct seminars at the Loeb Student Center at NYU are: Professor Nicola Khuri, Physics; Executive Vice President Rodney W. Nichols; Professors Norton D. Zinder, Genetics; Zanol A. Cohn, Immunology; and James E. Darnell, Jr., Molecular Cell Biology. Jacob T. Schwartz of NYU also will participate in the science series, speaking on October 11, on *Artificial Intelligence: Possibility and Impact*. □

## BRIEFS

Professors **William C. Agosta** and **Alan G. Singer**, Organic Chemistry and Physical Biochemistry, presented a paper, The Aphrodisiac Pheromone of the Golden Hamster, at the American Chemical Society's meeting in Philadelphia, August 26-31. Professor **Emil T. Kaiser**, Chemistry, also had a paper presented, The Design of Biologically Active Peptides and Polypeptides, Including Enzymes, by **Gregory Moe**, a member of his laboratory.

Professor **M.A.B. Bég**, Theoretical Physics, was elected to a second term on the board of trustees of the Aspen Center for Physics, at the annual general meeting of the board, held in Aspen, July 10.

Professor **H. Leon Bradlow**, Biochemical Endocrinology, served as president of the Conference on the Endocrinology of the Breast (Basic and Clinical Aspects), at the Centro Incontri Cassa di Risparmio in Turin, Italy, September 19-22.

Professor **Emil C. Gotschlich**, Bacteriology and Immunology, was selected by the American Society for Microbiology and the Burroughs Wellcome Fund as a Wellcome Visiting Professor in Microbiology. He will visit the University of Utah School of Medicine, where he will deliver a Wellcome Lecture in Microbiology, October 17-20.

Professor **Richard Harlan**, Neurobiology and Behavior, was an invited symposium speaker at the Seventh International Congress of Endocrinology, in Quebec City, Canada, July 1-7. He spoke on Cellular Products Related to Estrogen Effects on Hypothalamic Neurons and Reproductive Behavior.

**President Lederberg** served as a session chairman of the Seventh Annual Bristol-Meyers Symposium on Genetics, Cell Differentiation, and Cancer, in New York, October 8-9. Professor **Hidesaburo Hanafusa**, Viral Oncology, spoke on Functional Similarities and Differences Between Viral and Cellular Oncogenes, and Professor **James E. Darnell, Jr.**, Molecular Cell Biology, spoke on Gene Control in Differentiated Cells of the Mouse.

Professor **Sarah F. Leibowitz**, Physiological Psychology, was an invited speaker at a meeting of the Academy of Behavioral Medicine Research, in Lake Geneva, Wisconsin, June 3, where she spoke on Exogenous and Endogenous Opiates. She also spoke at the International College of Neuropsychopharmacology, in Florence, Italy, June 19, on Brain Neurochemical Control of Eating Behavior: Analysis of

Animal Studies in Relation to Anorexia Nervosa and Bulimia, and at the XVth International Congress of the International Society of Psychoneuroendocrinology, in Vienna, July 15-19, on Hypothalamic Neuropeptides and Behavior.

Professor **Victoria N. Luine**, Neuroendocrinology, was an invited speaker at the Fernstrom Symposium on Transplantation in the Mammalian Central Nervous System, held in Lund, Sweden, June 18-22. Her topic was Intrahypothalamic Raphe Transplants Reverse Facilitation of Sexual Behavior and Restore Serotonin in 5,7-DHT-treated Rats.

Professor **Bruce Merrifield**, Biochemistry, spoke on several aspects of peptide chemistry during an extended lecture tour, from May 23 to July 10, which included institutes and universities in Beijing, Chengdu, and Shanghai, the University of Zurich, the European Peptide Symposium in Stockholm, the International Meeting on Frontiers in Bioorganic Chemistry and Molecular Biology in Moscow and Alma Ata, U.S.S.R., and the International Meeting on Polymer-supported Reactions in Organic Chemistry, Lancaster, England.

Professor **Miklós Müller**, Biochemical Cytology, gave the past-president's address, Search for Cell Organelles in Protozoa, at the 37th annual meeting of the Society of Protozoologists, in Athens, Georgia, August 19-24. Professor **William Trager**, Parasitology, gave the first R. Barclay McGhee Memorial Lecture, Malaria and the Red Cell, at the same meeting. The lecture was established by the University of Georgia, Athens, in memory of the late Professor McGhee, who was a member of Dr. Trager's laboratory from 1948 to 1954.

Executive Vice President **Rodney W. Nichols** has been named a member of the New York State Urban Development Corporation's High Technology Advisory Board, which develops specific recommendations designed to encourage high technology development in the state.

Professor **Abraham Pais**, Theoretical Physics, presented the Ninth Albert Einstein Lecture, Niels Bohr: Centenary Reflections, sponsored by the New York Academy of Sciences, in Caspary Auditorium, October 2.

Trustee **P. Roy Vagelos**, president of Merck, Sharpe & Dohme Research Laboratories, has been named executive vice president and a director of Merck & Co., Inc.