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THE ROCKEFELLER UNIVERSITY

news and notes

DECEMBER 1980 - JANUARY 1981
VOLUME 12 NUMBER 2

Kunkel Wins Hazen, Waterford Awards

Henry G. Kunkel, Abby Rockefeller Mauzé Professor, senior physician, and head of the University's immunology laboratory, received the 1980 Lita Annenberg Hazen Award for Excellence in Clinical Research, presented November 5 at Mount Sinai Medical Center.

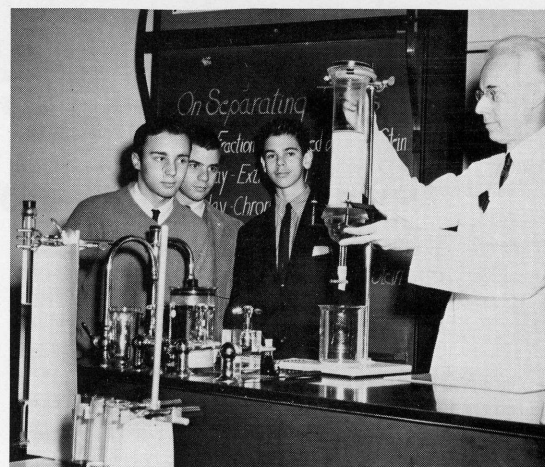
The award carried two stipends, one for \$50,000 for Dr. Kunkel and the other for an equal sum to support a research fellow chosen by the winner. Dr. Kunkel named Mark David Grebenau, who holds an M.D. and Ph.D. from New York University and is currently completing his residency in internal medicine. He will be appointed a research associate in Dr. Kunkel's laboratory effective July 1981.

The presentation ceremony was followed by a symposium in Dr. Kunkel's honor on Immune Complexes and Their

Role in Disease. The speakers were Dr. Kunkel and Doctors Argyrios N. Theofilopoulos of Scripps Clinic and Research Foundation, Edward C. Franklin of the New York University School of Medicine, and John B. Winfield of the University of North Carolina School of Medicine.

Dr. Kunkel also was corecipient, with Nobelist Baruj Benacerraf, of the 1980 Waterford Biomedical Science Award. It was presented October 28 by Scripps Clinic and Research Foundation at the Eighth Annual International Immunopathology Symposium in La Jolla, California, at which Dr. Kunkel and Professor Robert G. Lahita spoke.

Professor Maclyn McCarty, Bacteriology and Immunology, received the first Waterford Award in 1977.



Dr. Moore, Christmas Lectures 1961

Science Policy Program Initiated

The University has established a Life Sciences and Public Policy Program to serve as a forum for the exchange of information between the biomedical community and those responsible for the formation of science-related policies and legislation and to support scholarly studies. It is under the joint direction of June Goodfield and William W. Lowrance, who have been named senior fellows.

In announcing the program, President Lederberg states: "Such events as the controversies over recombinant DNA and Love Canal and the widespread concern about environmental health hazards have emphasized the need for the public, the press, and policymakers to be better informed about science and for scientists to be more actively involved in the social consequences of research. Rockefeller scientists have always responded effectively when called upon by public agencies. The new program, like the comparative toxicology seminars that have been in progress since last year, will serve as an extension of our traditional concern on this campus."

The Life Sciences and Public Policy Program is planning conferences to examine problems in the public communication of science, and to review the scientific and public policy arguments on at least one currently significant controversy.

June Goodfield, who came to Rockefeller in 1977 as an adjunct professor, holds a bachelor of science degree in zoology from the University of London and a Ph.D. in the history and philosophy of science from

the University of Leeds. She has taught at Leeds, Harvard, Wellesley, the University of Hamadan in Iran, and Hebrew University, and was professor of human medicine and philosophy at Michigan State University from 1969 to 1979. She is the author or co-author of nine books. *Reflections on Science and the Media*, commissioned by the American Association for the Advancement of Science, is scheduled for publication this January. *An Imagined World*, to be published in March, describes five years she spent observing a working scientist. She is currently writing *Humanity and Science*, which will extend themes touched on in her 1977 Phi Beta Kappa lecture to the AAAS.

William Lowrance earned his Ph.D. at The Rockefeller from 1965 to 1970 in the laboratories of Fritz Lipmann and William Agosta. He has been a research chemist with Eastman Kodak Company and assistant executive editor of *The Journal of Cell Biology*. From 1973 to 1975 he was a resident fellow of the National Academy of Sciences and wrote the book *Of Acceptable Risk: Science and the Determination of Safety*.

He has served as a research fellow in the Program for Science and International Affairs at Harvard and as special assistant to the Under Secretary of State for Security Assistance, Science and Technology. For the past two years he was a visiting associate professor at Stanford University directing and teaching a program in health policy, environmental policy, and risk decision

CHRISTMAS LECTURES

Professor Stanford Moore will explore Biochemical Horizons, with a focus on protein chemistry, at the 21st annual Alfred E. Mirsky Christmas Lectures, which will be presented to several hundred New York City high school students in Caspary Auditorium December 29 and 30. The four lectures will concern The Laboratory, Protein Structure, Enzymes, and the Biochemistry of the Brain.

Proteins are involved in many of the biological systems that make it possible for us to perform our daily tasks. In 1972, Dr. Moore was a corecipient with the late William Stein, his Rockefeller laboratory colleague, of the Nobel Prize in Chemistry. On that occasion Dr. Moore stated: "The human body is about half proteins, in terms of its solid constituents. Yet as of today we know the chemical and physical structures of only a small percentage of these... If we are ever really to understand the host of reactions in which proteins participate in living cells we need to know the structures of thousands of proteins of different origins and functions." In his lectures, he will point out the ways in which progress is being made toward knowledge of the biological role of protein molecules.

The Christmas Lectures, begun in 1959, were named in honor of their founder, Professor Alfred E. Mirsky, after his death in 1974. In 1961, Dr. Moore participated in a series on methods of chemical separation.

making. He is currently working on a book that will take a comprehensive overview of ethical problems in science, medicine, and engineering.

Marathon 1980

Rockefeller runners looked good in the New York Marathon on October 26. Thanks to all the good friends who photographed them.



William Muller 2:31

Gregory Snow 3:09

Michael McCune 3:16

Marc Goldstein, P
Council 3:

Toward Many Healthy New Years

Frederick G. Lehmann, director for development and public affairs, reports a total of \$8.3 million in new commitments from donors during the first half of the 1980-81 fiscal year, bringing to \$52.3 million the total funds pledged in the first two and a half years of the University's ten-year, \$150-million drive. Of that total, \$3,990,000 has already been received that is specifically earmarked for renovations of the physical plant.

About 50 percent of the University's funds come from government grants and another 30 percent from endowment income. The \$150 million the University hopes to raise from private foundations, corporations, and individual donors in the current ten-year period represents gifts for endowment and for operating purposes needed to assure the financial health of this institution, including allowances for continuing inflation.

As President Lederberg states: "Our goal is not expansion. Rather, we will maintain the University at about its present size in its traditional position as a first rank research center able to provide its members with the resources essential to the pursuit of modern science and able to compete intellectually and financially.

"During the inflationary period of the past decade, the University had to implement stringent cost-cutting measures to avoid depleting our endowment, which is the base of our security and independence. This effort enabled us to get back to a stable operating budget but it also required, until now, that we defer some very

necessary activities, among them the renovation of badly outmoded facilities, the purchase of major equipment, and the modernizing of centralized support services. A minimum ten-year estimate of funds needed for these projects is \$15 million."

With nearly \$4 million now in hand, the first stage of these activities has begun with the renovation of new quarters for computing services. Another project being considered is conversion of the old animal facilities in the Smith Hall Annex to new research space and offices. Also planned for the near future is the upgrading of laboratory areas in the Tower and the Hospital. With continued success in fund raising, major work can begin in other buildings in order to modernize space for the new initiatives expected to accompany promotions and appointments.

Of the capital funds for plant conversion and equipment purchase received to date, \$2 million comes from the Max C. Fleishmann Foundation, \$1 million from the Vincent Astor Foundation, \$750,000 in matching funds from the Kresge Foundation, \$175,000 from the Rippel Foundation, and \$65,000 from Dr. Eugene Garfield, president of the Institute for Scientific Information and a member of the Rockefeller University Council. Each grant will cover part of these projects, in line with the donor's interests.

NEW QUARTERS

The development and public information offices are moving to the fourth floor of the Tower. Computer Services moves to B Floor, Smith Hall very soon. The new quarters provide badly needed space for computer users and service staff.

DEATHS

William E. Dietz, 75, assistant treasurer and comptroller of the University from 1959 to 1969, on October 2.

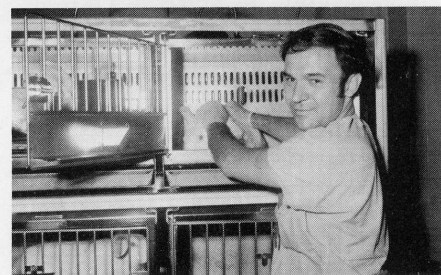
Alice N. Lockie, 77, who joined the Hospital in 1929 as a nurse and was appointed Hospital superintendent in 1938, a post she held until her retirement in 1969, on November 3.

The Spirit of Art

When Ernesto Lopez, Jr., was a little boy in Puerto Rico he learned to draw and paint by watching and working with his grandfather. A technician at the Laboratory Animal Research Center, Mr. Lopez has been at Rockefeller since he came to New York in 1971. He has also continued to pursue his art in his leisure time. It is, he says, his way of conveying his "spiritual image of life." He works in oils, watercolor, and black and white, and has exhibited in shows at a Bronx painting club he belongs to and at the University's arts and crafts exhibitions. He has had a number of his paintings purchased.

His favorite subjects are portraits, landscapes—imagined or remembered—and dramatic allegorical scenes, often the result of dreams or based on something he has read.

Mr. Lopez likes to keep things in the family. His father, Ernesto Lopez, Sr., also works at the Laboratory Animal Research Center. At home in Brooklyn, he and his wife Carmen have three children, two daughters, Shirley and Venerva, and nine-year-old Ernesto Lopez, III, the eldest, who has recently begun sketching with his father.



Ernesto Lopez, Jr.

"Lonely Mountain"



PERSONALS

Born April 29, to Research Associate **Evsey Neymotin**, Populations, and his wife, Margarita, a daughter, Florence, their second child.

Born September 2, to Personnel Assistant **Nancy La Valle** and her husband, Luke, a son, David, their third child.

Born October 27, to Professor **Heinz Pagels**, Theoretical Physics, and his wife, Elaine, a son, Mark William, their first child.



Konstantin Goulianos 3:26 Roger Karess and Michael Greenberg 3:27 Daniel Rifkin 3:32 Jonathan Rothbard 3:39 Robert Waters 4:07 Sam Koide, Popul Council 4:48

Out of the Boxes and into History



Archivist Ruth Sternfeld retires on December 31 after ten years of sorting out and sprucing up the University's past.

When she arrived in 1970 as an assistant librarian, records and historical papers—those that hadn't found their way to other institutions—were stored in bundles and boxes wherever space could be found. Mrs. Sternfeld took on the task of organizing and cataloging them. Visitors to her small suite of rooms in the upper reaches of the Library marvelled that she could conjure up a sought-after treasure from the masses of material stacked everywhere.

With the coming of orderly procedure and the opening, in 1975, of The Rockefeller Archive Center, a superb modern facility in Pocantico Hills, New York, University documents gained a permanent home, which provides a valuable resource for scholars. Mrs. Sternfeld feels great satisfaction that Rockefeller scientists can now leave their papers to the University "with trust that they will be well preserved and their meaning enhanced by being part of a totality of the collections of many colleagues of this institution."

On campus, the most visible fruits of Ruth Sternfeld's labors have been the attractive and informative exhibitions she has mounted in the Library since 1973. These have included an extensive documentation of the physical growth of the University, commemorative exhibitions of papers and memorabilia of many of the University's past greats, including Alexis Carrel, Karl Landsteiner, Hideyo Noguchi, Herbert Gasser, Oswald Avery, Peyton Rous, Alfred E. Cohn, and William Stein, and explorations of such subjects as

the Rockefeller Hospital, the DNA story, and the development of scientific technology. Her efforts were invaluable in preparing the displays of historical photographs, put up at the time of the 75th anniversary celebration in 1976, that can be seen throughout the public areas on campus and on the walls of the Cafeteria.

Mrs. Sternfeld, who holds a master of library science degree from Simmons College, worked for 11 years at the Widener Library at Harvard before coming to Rockefeller. Before that she was busy raising two daughters. Her husband, Dr. Leon Sternfeld, is medical director of the United Cerebral Palsy Association and UCP Research and Education Foundation.

LOVE CANAL REPORT

Trustee Lewis Thomas, chancellor of Memorial Sloan-Kettering Cancer Center, and Professor Attallah Kappas, physician-in-chief, were among five scientists appointed in June by Governor Carey to review scientific studies and the development of public policy on problems resulting from hazardous wastes at the Love Canal site in the Niagara Falls area.

In their findings published in October, the panel, under Dr. Thomas' chairmanship, reported that they have found "no demonstration of acute health effects linked to exposure to hazardous wastes at the Love Canal site. . . . The chronic effects of hazardous wastes exposure have neither been established nor ruled out as yet, in a scientifically rigorous manner."

Chemical pollution in the Love Canal area became a national concern in the spring of 1978 when the New York State Department of Health, in a report to the Governor, called the site an "environmental nightmare."

The other members of the panel were Dr. Saul Farber, acting dean, New York University Medical School and chairman of medicine, Bellevue and University Hospitals, Dr. Arthur Upton, director, Institute of Environmental Medicine, New York University, and Dr. Richard A. Doherty, associate professor, University of Rochester Medical Center.

BRIEFS

Employment Manager **Lucy L. Jeffers**, Personnel, delivered a talk on Laboratory Research In An Academic Setting at the New York Academy of Sciences, October 29, under the sponsorship of the Academy's Committee for Women in Science.

Professor **Maclyn McCarty**, Bacteriology and Immunology, delivered the Maxwell Finland Lecture at the meeting of the Infectious Diseases Society of America in New Orleans September 25. He spoke on An Adventure in the Pathogenetic Maze of Rheumatic Fever.

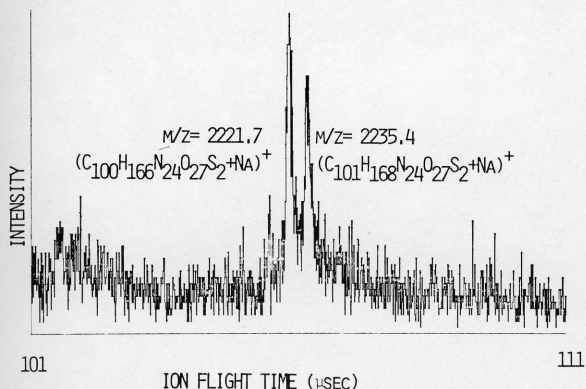
Professors **Bruce S. McEwen**, Neuroendocrinology, and **Fernando Nottebohm**, Animal Behavior, spoke at a symposium on Sexual Differentiation of the Brain and Behavior, at the Tenth Annual Meeting of the Society for Neuroscience, held November 9-14 in Cincinnati. Eleven other papers by Rockefeller scientists were presented at the meeting.

Professor **Charles M. Peterson** served as chairman of a symposium on Diabetes Management in the 80's: The Role of Home Blood Glucose Monitoring and New Insulin Delivery Systems, held in Caspary Auditorium, November 17-18, sponsored by the University's medical biochemistry laboratory and supported by a grant from Bio-Dynamics, Inc. Professor **Michael Brownlee** and Adjunct Professor **Lois Jovanovic**, Medical Biochemistry, were among the speakers.

Professor **Victor J. Wilson**, Neurophysiology, lectured on the Electrophysiological and Dynamic Analysis of Vestibulospinal Reflexes at the meeting of the US-USSR Joint Working Group on Space Biology and Medicine in Moscow October 26-29. He also spoke at the physiology department of the University of Gothenburg, Sweden.

PROMOTIONS

Ming-Ta Hsu, Molecular Cell Biology, to associate professor, effective November 1.



Molecular ion region of the spectrum of a mixture of two compounds produced by making the mono-BOC-cystamine derivative of the 20-residue peptide antibiotic alamethicin. The two compounds differ by a methylene group.

NEW SERVICE

Professor Frank Field reports that his laboratory of mass spectrometry, which offers its services as a resource for other labs and for collaborative research, has a new apparatus, a fission fragment ionization mass spectrometer, which can affect ionization and volatilization of much larger and less volatile compounds than has previously been possible. (See illustration.)

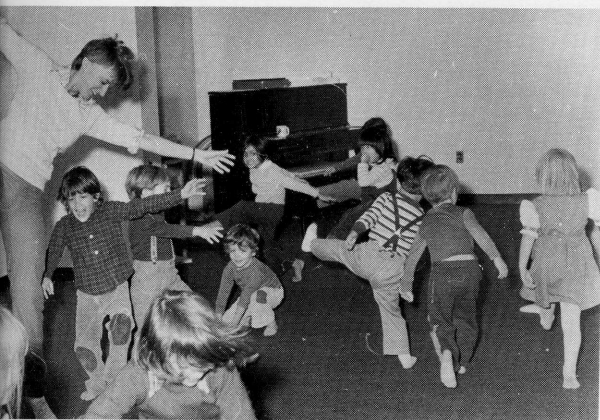
HONORS & AWARDS

James J. Stewart, superintendent, Purchase and Supply Service, and chief pharmacist, was honored for his "29 years of service to science" at a special dinner held by the Caribbean Medical and Education Foundation of New York, Inc., on November 8. The goal of this non-profit organization of health professionals, which has the support of a number of Rockefeller scientists, is to establish a clinical investigation center in Barbados to serve the entire Caribbean area.

President Lederberg received the Presidential Medal of Brooklyn College and was the principal speaker at a special convocation celebrating the college's 50th anniversary on November 10. He spoke on *The Growth of Science: Dilemmas and Opportunities*.

A Gift For the Children's School

If you have stocked up on good bargains at the Children's School book sales or if you have enjoyed the delicious goodies at the



Humanities Series

Rockefeller University and New York University have inaugurated a joint series of Humanities Seminars and Lectures open to all members of the campus community.

The lunch-hour seminars, with speakers from the NYU faculty, began November 12 in Abby Dining Room when Graham Hughes spoke on *The American Criminal Trial*. On December 10, Denis Donoghue addressed *The Question of Poetry* as Knowledge.

Forthcoming speakers will be: Horst W. Janson on *The Image of the Human Soul in Art* (January 14), Edward Roesner on *The Restoration of Early Music* (February 11), Donald Posner on *Erotic Imagery in 18th Century Art* (March 11), R. Bayly Winder on *Near Eastern Literature* (April 15), and Peter von Blanckenhagen on *Process and Change in Greek Art* (May 13).

Nobel laureate Isaac Bashevis Singer gave the first of the evening lectures on December 8 in Caspary Auditorium. The second lecturer, scheduled for February, will be Carl Schorske, cultural historian and author of the recently published *Fin de Siècle Vienna*.

Attendance at the seminars and lectures is by reservation. For further information call Sandra Walsh, extension 1159.

Rockefeller faculty members of the series committee are Professors E. G. D. Cohen, Paul F. Cranefield, James Hirsch, and Floyd Ratliff, working in cooperation with Vice President Richard Young.

Jacques Genest, head of Montreal's Bioethics Research Center, received the Royal Bank humanitarian award and \$50,000. A specialist in the causes and treatments of high blood pressure, Dr. Genest was associated with The Rockefeller Hospital Laboratory of Reginald M. Archibald from 1948 to 1951 and was a visiting professor last year in the laboratory of Professor Vincent P. Dole.

bake sales, you can have the added pleasure of knowing that the money earned by those events has helped create a beautiful new facility for the University's smallest scholars.

What was once a windowless corner of Sophie Fricke Hall housing a garbage room, slop sink, storage area, and laboratory is now a large, bright, dance-music-gym-meeting-rainy day room.

"We owe this wonderful gift to the children to the enthusiastic fund-raising efforts of the school's parent volunteers and to the skill and generosity of Thomas McGinnity, Ronald Sauers, and the staff at plant operations," says Barbara Adams, educational director of the school.

Antoinette Smith and dancers enjoy the school's new room.

IN CASE OF SNOW

When the snow comes down, the University's pathclearers follow a schedule of priorities. If the way to your lab or office 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.

IN PRINT

Quest: Reflections on Medicine, Science, and Humanity has been translated from the French and published by Harcourt Brace Jovanovich. The book, a conversation between Professor **René Dubos** and Jean-Paul Escande, a distinguished French physician, highlights Dr. Dubos' career and highly individualistic views of medicine, science, and technology. Dr. Arthur Sackler, physician, medical publisher, and a member of The Rockefeller University Council, has written a lengthy review of the book and appreciation of Dr. Dubos' contribution to science and humanism in the October 1 issue of *Medical Tribune*.

Heraclitean Fire, the memoirs of Erwin Chargaff, published by The Rockefeller University Press in 1978, has been issued in paperback by Warner Communications.

In the December issue of *Scientific American*, in an article on addictive behavior, Professor **Vincent P. Dole**, Biology of Addictive Diseases, describes the problems and methods of treating drug addiction. The article summarizes the methadone program which Dr. Dole and Senior Research Associates Marie Nyswander and Mary Jeanne Kreek began at the University in 1964.

A book on *The Art of Painting on Glass*, by Albinas Elskus, husband of **Ann Elskus**, secretary to President Emeritus Frederick Seitz, has been published by Charles Scribner's Sons. The book reveals the secrets of paint mixtures and methods of applying them to glass.

The volume *An Introduction to Combinatorial Analysis*, by Affiliate **John Riordan**, Mathematics, first published by John Wiley & Sons, Inc., in 1958, and out of print for two years, has been re-issued by Princeton University Press in hard cover and paperback.