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## NEWS AND NOTES 1986, VOL.17, NO.2

The Rockefeller University

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# The Rockefeller University

December 1985-January 1986  
volume 17, number 2

## News and Notes



Children from The Rockefeller University Children's School and Family Dynamics of Brooklyn were invited to participate in the Rockefeller Center tree lighting on December 9. From left, opera star Roberta Peters, Trustee David Rockefeller, chairman of The Rockefeller Group, Richard A. Voell, president and chief executive officer of The Rockefeller Group, television soundman, and comedienne Lily Tomlin. The photograph of the tree appears above.

### Toyota Professorship Established

The University has received \$1.5 million from the Toyota Motor Company to establish a Toyota professorship.

On a visit to the University, on December 5, Shoichiro Toyoda, president of Toyota, expressed his company's pleasure in making a contribution "to the progress of science and The Rockefeller University as part of our company's efforts to broaden cultural and scientific ties between Japan and the United States."

In acknowledging the endowment, President Lederberg expressed the appreciation of the University community and stated that Toyota's substantial investment will "significantly further The Rockefeller University's ability to contribute to the progress of the life sciences."



President Lederberg, right, presenting a scroll of appreciation to Shoichiro Toyoda, president of the Toyota Motor Company.



Friends and colleagues gathered to honor Professor Purnell W. Choppin at his farewell party on October 10. From left, Adjunct Professor Richard Krause, dean of Emory University's School of Medicine, Professor Maclyn McCarty, Mrs. Choppin, and Dr. Choppin.

### Markey Grant Endows Kunkel Chair

A grant of \$2.5 million has been awarded to the University by the Lucille P. Markey Charitable Trust to support research in immunology, with emphasis on rheumatoid arthritis and related conditions.

The gift includes \$1.5 million to endow a professorship named in honor of Henry G. Kunkel, a leader in immunological research at Rockefeller for four decades. The remaining \$1 million will be used to modernize and enlarge the immunology laboratory he headed until his death in 1983, where he pioneered studies of autoimmune diseases.

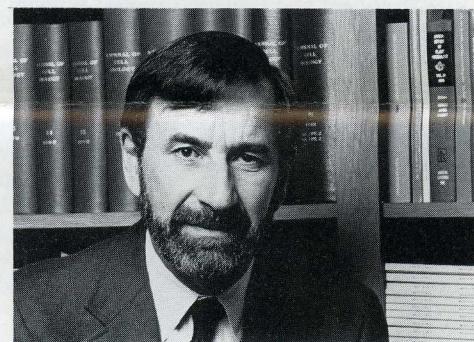
The grant brings to \$4.6 million the total contributions made to Dr. Kunkel and his colleagues by the Trust, which was established by the late Mrs. Markey, owner of the Calumet Farm breeding and racing stable, for the purpose of encouraging and supporting basic medical research.

### Luck Named Mirsky Professor

The University has established the Alfred E. Mirsky Professorship, in honor of the Rockefeller physiologist who died in 1974. The first to hold the chair is David J. L. Luck. The Mirsky professorship has been made possible by the contribution by Sonya Wohl Mirsky, the University's librarian and Dr. Mirsky's widow, of their extensive art collection.

Dr. Mirsky was a member of the Rockefeller faculty for 47 years. Among his many contributions was the isolation, in the 1940s, of chromatin, the material in the nuclei of mammalian cells that contains DNA attached to protein "cores." He demonstrated that every cell in the body has the same amount of DNA except for the sperm and egg cells, which have half the amount and which, when combined, produce the normal complement of DNA.

Dr. Luck, who heads one of the University's cell biology laboratories, earned his Ph.D. degree at Rockefeller in 1962 and was appointed a professor in 1968. His research focuses on cilia and flagella, hairlike projections on the surfaces of cells that move them or move materials across cell surfaces. He was elected to membership in the National Academy of Sciences in 1984.



David J. L. Luck

### RU Art Show

Members of the campus community and their spouses are invited to submit paintings, drawings, and photographs for The Rockefeller University Art Show, to be held February 27 through March 14 in Founder's Hall. For further information, call Katharine Cameron on extension 8684.



## Caring for Laboratory Animals

The animal-rights advocates who demonstrated at the University's gates last spring belong to a small, extremist group who categorically reject the use of animals in scientific research. They do not represent prevailing public opinion. In a poll reported in October by the Associated Press, 80 percent of 1,412 respondents expressed the belief that animal experimentation is necessary for medical progress. Nonetheless, less than half of those questioned thought that laboratory animals were treated humanely.

In response to public concern as it has been addressed to The Rockefeller, President Lederberg has stated: "We strive to conduct our research in the most humane way possible and to reduce the number of animals we use to the minimum needed to achieve our goals."

The use of animals in research is regulated by federal guidelines. New and more stringent regulations were issued by the National Institutes of Health in 1985. At The Rockefeller, the Advisory Committee on Animal Care oversees compliance with the NIH guidelines and with the University's own policy, as set forth by the board of trustees. (A copy of the University's policy statement is available on request from the public information office, extension 8967.)

The current members of the committee are Professors Anthony Cerami (chairman), Emil Gotschlich, Hidesaburo Hanafusa, and Torsten Wiesel; Dennis Stark, director of the Laboratory Animal Research Center (LARC), and Osborn Bagg, LARC manager; Vice President and General Counsel William Griesar; Dr. Alfred Moo Young of the Population Council, and William Kay, D.V.M., director of the Animal Medical Center, our neighbor at 62nd Street. Executive Vice President Rodney W. Nichols serves ex officio representing Dr. Lederberg.



LARC director Dennis Stark, seated center, responds to questions from animal-rights demonstrators at the University on April 29.

Most of the research animals at Rockefeller are housed and cared for in the Laboratory Animal Research Center, a large, modern building erected in 1975. There are also four satellite facilities on campus that have recently been extensively renovated and upgraded. Dr. Stark, who has directed LARC since 1976, holds a degree in veterinary medicine from the University of Georgia and a Ph.D. in immunochemistry, virology, and biochemistry from Cornell University.

LARC is accredited by the American Association for the Accreditation of Laboratory Animal Care, the only accrediting body approved by the federal government, and receives competitively awarded NIH funding as a center for diagnosis and research in animal pathology. Eight other institutions in the city use LARC as their diagnostic and support facility.

In addition to directing LARC, Dr. Stark heads the laboratory for in vitro toxicological assay development, which conducts research aimed at developing test tube alternatives to animals for testing toxicological substances.

"The trend nationally is toward fewer animals in research," says Dr. Stark. "For one thing, they're very expensive. At the LARC we've reduced the number by 49 percent in recent years. But the likelihood of being able to eliminate animal experimentation completely is very slim. My job, and the responsibility of all of us using animals, is to be sure they're used sparingly and appropriately. Their health and well being is a matter of humanitarian concern and good science."

## Lab Report: The Wasting Disease

Ten years ago, while studying parasitic disease in Africa, Professor Anthony Cerami and a team of Rockefeller researchers observed that cows infected with trypanosome parasites lost weight and wasted away at a rate disproportionate to the number of parasites found in their bodies.

Later, in their laboratory at the University, when investigating the biochemical origins of this condition, called cachexia, they made a paradoxical observation: the blood of cachexia-emaciated rabbits was rich in fat. Although the rabbits had lost approximately half their body weight, from the perspective of the lipids in their blood, it appeared as if they had just eaten a meal high in fat content.

In cachexia-associated diseases, from which humans also suffer, weight loss is often followed by shock and death. Working on a hunch that cachexia somehow interferes with the functioning of fat cells, Dr. Cerami's group found that cachectic mice lacked sufficient lipoprotein lipase, an enzyme involved in the uptake and storage of fat by body cells.

This was the biochemical clue they needed. In a series of experiments, the laboratory

## Symposium Honors Stein and Moore

A Symposium for American Protein Chemists, held in San Diego from September 29 to October 2, was dedicated to the late Rockefeller researchers William H. Stein and Stanford Moore, in recognition of their contributions to the field.

The symposium, the first such gathering, highlighted micromethodology in protein structural analysis and provided an opportunity for the exchange of information in a field undergoing rapid change and growth.

Professor James M. Manning, head of one of the University's laboratories of biochemistry and a former member of the Stein-Moore laboratory, presented several papers at the symposium together with some of his colleagues. He reports that in addition to forming a professional society, the group plans to establish a lectureship in memory of Dr. Stein and Dr. Moore.

## Stein Lecture

E. J. Corey, Sheldon Emery Professor of Organic Chemistry at Harvard University, will deliver the 1986 William H. Stein Lecture on February 7 in Caspary Auditorium at 3:45 P.M.

Dr. Corey is a leading figure in the development of methods for synthesizing complex and rare biological molecules, thus making them more accessible for study. He will speak on "Prostaglandins, Leukotrienes, and Other Eicosanoids: Chemical and Biochemical Studies."

The lecture is named in honor of William H. Stein, Rockefeller biochemist and Nobel laureate, who died in 1980.

identified the specific protein controlling the synthesis of lipoprotein lipase. They found that this protein is produced by macrophages—white blood cells—and is triggered by the presence of infectious organisms. Acting like a hormone to release fat into the bloodstream, the protein, which they named cachectin, mobilizes the body's energy to combat the microscopic invaders. But should the infection become so chronic as to overwhelm these defense mechanisms, cachexia—or wasting—ensues.

### Multi-Purpose Protein

Recent experiments by Bruce Beutler of the laboratory indicate that cachectin is the body's main mediator of shock. Dr. Beutler has shown that the shock-producing effects of a bacterial toxin can be neutralized in mice by blocking the action of cachectin.

Currently, Dr. Beutler is attempting to measure cachectin levels for various kinds of shock and infection. He is also investigating ways in which antibodies and drugs might (continued on page 6)

## Christmas Lectures

Professor D. Martin Carter, head of the laboratory of investigative dermatology, delivered the 1985 Alfred E. Mirsky Christmas Lectures on Science for high school students in Caspary Auditorium, December 26 and December 27.

His topic "Skin: Our Protective Envelope," was presented in four lectures, "Color," "Barrier," "Healing," and "Repair."

Dr. Carter, a member of the Rockefeller faculty since 1981, conducts extensive research in the interaction of genetic and environmental factors in relation to a variety of conditions that affect the skin, including cancer and aging. In addition to heading his laboratory and clinic in The Rockefeller University Hospital, he is co-head of the division of dermatology at the New York Hospital-Cornell Medical Center.

The Christmas Lectures, begun in 1959, were named in honor of their founder, Rockefeller physiologist Alfred E. Mirsky, after his death in 1974.

## Kac Symposium

"He typified the very best of Rockefeller University," stated Professor Donald Griffin, one of the participants in a memorial symposium organized by Professors Kenneth M. Case and E. G. D. Cohen in honor of Mark Kac, the world-renowned mathematician, who was a member of the University's faculty from 1961 to 1982. He died in 1984.

The symposium, which was held in Caspary Auditorium on November 4, began with remembrances by President Lederberg and Professors Griffin and Vincent Dole, who recalled Dr. Kac's famous wit as well as his scholarship.

Among the scholarly presentations, Professor Joel E. Cohen, head of the laboratory of populations, spoke on "Untangling 'an Entangled Bank': New Facts and Theories about Ecological Food Webs." Other speakers included two former Rockefeller colleagues of Dr. Kac, Gian Carlo Rota of the Massachusetts Institute of Technology, on "Invariant Theory," and Henry McKean of New York University, on "Application of the Feynman-Kac Formula to a Caricature of the Nerve Equation," George Carrier of Harvard University, on "Some Tsunami Interactions," Rockefeller alumnus Ronald Fox of the Georgia Institute of Technology, on "Quantum Chaos and a Periodically Perturbed Eberly-Chirikov Pendulum," and T. D. Lee of Columbia University, on "Difference Equations and Conservation Laws."

The Mark Kac Memorial Fund has been established by the Committee of Concerned Scientists, an organization for which Dr. Kac served as co-chairman for many years, which aids scientists in countries where their research freedom is curtailed.

## In Print

Professor **Nicola N. Khuri**, Theoretical Physics, is a co-editor of *Shelter Island II*, published by The MIT Press. The volume documents the proceedings of the 1983 Shelter Island Conference on Quantum Field Theory and the Fundamental Problems of Physics. Shelter Island II, which Dr. Khuri initiated, was held on the 36th anniversary of the original Shelter Island Conference, attended by the world's leading physicists and organized by the National Academy of Sciences and the late Rockefeller scientist Duncan MacInnes. The 1947 conference is regarded as the starting point of a series of developments that have radically changed our ideas on the foundations of physics and given us a new cosmology. Among those attending the 1983 conference from Rockefeller were Professors **Keneth Case, Rodney Cool, Louise Dolan, Bernard Grossman, Burt Ovrut, Anthony Sanda, Adjunct Professor Heinz Pagels, President Emeritus Seitz**, and Dr. Khuri.

*Beyond Analytic Philosophy*, a new book by Professor **Hao Wang**, Logic, has been published by The MIT Press. In the 273-page volume, Dr. Wang examines philosophy in this century, bringing to light the crucial wrong turn of "analytic philosophy" and outlining an alternative approach that proposes to relate philosophy to the vital human experiences in a more meaningful manner.

## Rufus Cole Lectures

As part of the Rockefeller Hospital's year-long 75th anniversary celebration, a series of lectures in honor of Rufus Cole, first director of the Hospital, has been planned. Following is a schedule of the lectures, which will be held in Room 110B of the Nurses' Residence at 5 P.M. Members of the campus community are invited to attend.

**January 13**, Alvan Feinstein, M.D., Director, Johnson Clinical Scholar Program, National Cancer Institute

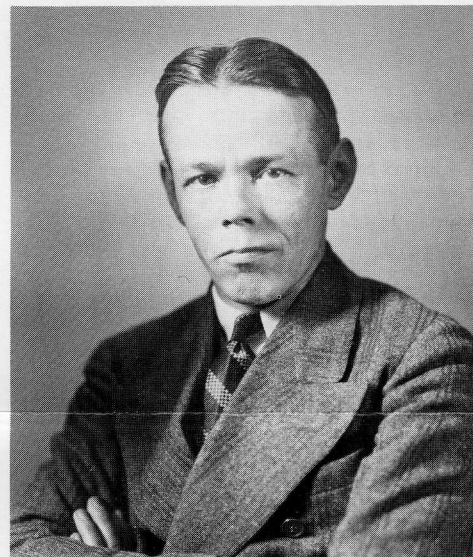
**February 10**, Kenneth Warren, M.D., Director, Health Sciences Rockefeller Foundation

**March 3**, William Kelley, M.D., Professor and Chairman, Department of Internal Medicine, University of Michigan Medical Center

**March 24**, E. Donnell Thomas, M.D., Professor of Medicine, Fred Hutchinson Cancer Research Institute

**April 21**, Jacques Genest, C.C., M.D., Scientific Director, Clinical Research Institute of Montreal

**May 28**, Richard Havel, M.D., Professor of Medicine, University of California, San Francisco



John B. Nelson in the 1930s.

## John B. Nelson 1894-1985

John B. Nelson, 90, a member of the Rockefeller faculty for almost 50 years and a leading figure in the field of animal pathology, died November 9, in Doylestown, Pennsylvania.

Dr. Nelson's major contribution was his work with colonies of laboratory animals. His years of bacteriological and virological investigation led to the control of endemic pneumonia of rats and to the elimination of many other diseases among laboratory animals.

Born in Newburyport, Massachusetts in 1894, Dr. Nelson received a bachelor's degree from the Massachusetts College of Agriculture in 1917, a master's degree from Harvard University in 1923, and a Ph.D. in bacteriology from the University of Missouri in 1924.

He joined The Rockefeller as an assistant in 1925, working under the direction of Theobald Smith in the animal pathology laboratories in Princeton, New Jersey. He became an associate in 1929 and an associate member in 1938, a title which changed to associate professor in 1953, when Rockefeller became a graduate university. During World War II, he served with the Commission on Tropical Diseases of the Army Epidemiological Board and was a member of a secret mission to India and Burma, helping to treat outbreaks of dysentery among servicemen. When the Princeton laboratories were closed in 1950, he moved his research to the New York campus. He became emeritus in 1965.

Dr. Nelson is survived by his wife, Mary Graves, children John B. III, Marshall, Sarah P. Nelson, and Mary Elizabeth Mayer, 10 grandchildren, and two great-grandchildren.



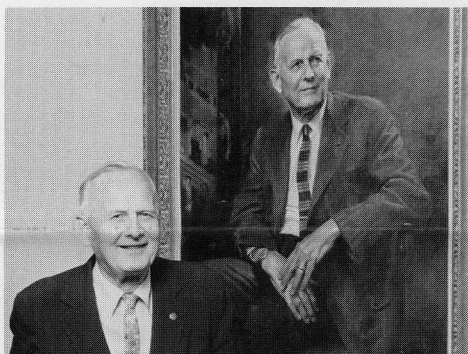
## Rockefeller University Hospital Day in New York

Several hundred representatives of the medical research community, including many Rockefeller Hospital "alumni" and present Hospital staff members, attended a symposium and exhibition in celebration of the Hospital's diamond jubilee, held on October 17, the day the Hospital opened 75 years ago.

Professor Attallah Kappas, vice president and physician-in-chief, opened the symposium and read a proclamation from Mayor Edward I. Koch, naming October 17 "The Rockefeller University Hospital Day."

Saul Benison, professor of history at the University of Cincinnati, spoke on "The Rockefeller University Hospital and Clinical Investigation: The Early Years," Donald S. Fredrickson, president of the Howard Hughes Medical Institute and former director of the National Institutes of Health, on "The Federal Touch on Clinical Research," and Eli Ginzberg, director of the Conservation of Human Resources Project of Columbia University, on "The Economic Outlook for Clinical Research." Representing the University were President Lederberg and David Rockefeller, chairman of the executive committee of the University's board of trustees.

The day was capped by the grand opening of an exhibition, "America's First Clinical Research Center: A 75-Year Pictorial History," which was on view in Room 128 of the Hospital through November.



Professor Maclyn McCarty in front of his new portrait by John H. Sanden in the Hospital waiting room.



Dr. Paul Ecker, left, a Rockefeller Hospital alumnus, and Professor Edward H. Ahrens, Jr.



Two Hospital alumni whose recollections of early days were recorded for the taped "Hospital Story," in the anniversary exhibition. Left to right, beside themselves, Rollin Hotchkiss and Walther Goebel.



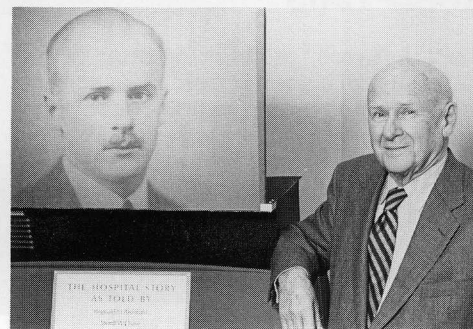
At the Hospital exhibition, Professor D. Martin Carter and Dr. Elizabeth Khuri, wife of Professor Nicola Khuri, of the New York Hospital-Cornell Medical Center.



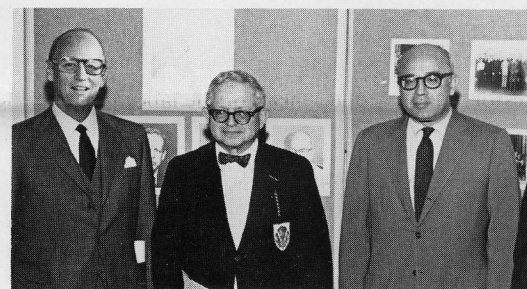
Physician-in-Chief Attallah Kappas on the steps of the Hospital, below the banner designed for the 75th anniversary celebration.



Hospital Administrator Kathy Kleinbard, with Reynard Biemiller, retired associate director of The Rockefeller University Press, who designed the Hospital anniversary exhibition and slide show.



Professor Jules Hirsch, left, with Michael Heidelberg, right, and Rockefeller student Arturo Zychlinsky, a graduate of the National School for Biological Sciences of The National Polytechnic Institute, in Mexico City, where an immunology laboratory is named for Dr. Heidelberg, a former Rockefeller Hospital researcher now at New York University.



Speakers at the October 17 symposium. From left, Donald Fredrickson, Saul Bennison, Attallah Kappas, and Eli Ginzburg.



Trustee Dr. Alexander G. Bearn, left, and Professor Vincent Dole.

## Clara J. Lynch 1882-1985

Clara J. Lynch, professor emeritus of the University, who was a pioneer in the study of the genetics of cancer, died December 8, in Alexandria, Virginia, at the age of 103.

Dr. Lynch was associated with the University for 53 years, retiring in 1971 at the age of 89. Her scientific contributions included the demonstration that susceptibility to the development of tumors of the lungs and mammary glands in mice, both spontaneous and induced by experiment, is heritable. It was she who introduced in this country in 1926 the so-called Swiss mouse widely used as a research animal—carrying several across the Atlantic in a shoe box kept in her stateroom.

"Dr. Lynch devoted her life to the study of cancer arising spontaneously in aging animals," stated Professor Merrill W. Chase, an associate of Dr. Lynch for nearly 40 years. In later years, she studied the genetic susceptibility of tuberculosis, using special strains of mice.

Dr. Lynch was born in Canton, Ohio, on March 6, 1882. She received a B.L. degree from Smith College in 1903, and A.M. and Ph.D. degrees from Columbia University in 1912 and 1919. After teaching at Smith from 1909 to 1916, she was appointed a fellow at what was then The Rockefeller Institute for Medical Research in 1918, an assistant in 1919, and an associate in 1926, a title that changed to associate professor when The Rockefeller became a graduate university. She became emeritus in 1971.

Dr. Lynch is survived by two nieces, Marcia and Eliza Miller, five grandnephews, and seven great-grandnephews and -nieces.



Clara J. Lynch

## Personals

Born September 24, to Professor **Alice B. Gottlieb**, Immunology, and her husband, Allan, a son, Michael Bendix, their second child.

Born, September 27, to Research Associate **Lisa C. Hudgins**, Human Behavior and Metabolism, and her husband, James, a son, Randall, their first child.

## Briefs

Professor **Nam-hai Chua**, Molecular Plant Biology, was an invited plenary speaker at the First International Congress of Plant Molecular Biology, held in Savannah, October 27-November 2. His talk was on "Expression of Nuclear Genes for Chloroplast Proteins in Transgenic Plants: Phytochrome Induction, Light Regulation, Tissue Specificity, and Position Effects."

Professor **E. G. D. Cohen**, Theoretical Physics, gave an invited lecture, "Eigenmodes of a Classical Fluid in Thermal Equilibrium," at the biannual Gordon Research Conference on the Physics and Chemistry of Liquids, in Holderness, New Hampshire, August 21. He delivered a lecture under the same title at the Sixth Conference on Trends in Applications of Pure Mathematics to Mechanics, in Bad Honnef, West Germany, October 21.

Professor **David Cowburn**, Organic Chemistry and Physical Biochemistry, gave an invited lecture, "Biochemical Applications of Heteronuclear Multispin Coherence Proton-detected Spectroscopy," at the State-of-the-Art Symposium on Two-Dimensional Nuclear Magnetic Resonance at the 190th national meeting of the American Chemical Society, in Chicago, September 8-13. Research Associate **Dr. V. Bhaskar Rao**, also of the laboratory, presented a paper, "Synthesis of 4.4.5.5fenestrane."

Professor **James E. Darnell Jr.**, Molecular Cell Biology, spoke on "The Transcriptional Unit of DNA Expression," at The Welch Foundation 1985 Conference on Chemical Research, "Genetic Chemistry: The Molecular Basis of Heredity," held in Houston, November 4-6. (Dr. **William O. Baker**, chairman of the University's board of trustees, and Professor **Emil T. Kaiser**, Bioorganic Chemistry and Biochemistry, serve on the scientific advisory board of The Welch Foundation.)

Vice President and Treasurer **David J. Lyons** has been reappointed to the Financial Ac-

counting Standards Advisory Council (FASAC) for 1986. This will be his fourth consecutive year on the FASAC, the key technical advisory group to the Financial Accounting Standards Board (FASB). Mr. Lyons is also chairman of the FASAC's Committee on Not-for-Profit Institutions and a member of the FASB's Not-for-Profit Task Force.

Research Associate **Joseph McCabe**, Neurobiology and Behavior, was an invited speaker at the 13th Annual Meeting of the International Foundation for Biochemical Endocrinology, held in Edinburgh, September 16-20. His topic was "*In Situ* Hybridization Demonstrates Changes in Vasopressin and Oxytocin mRNA Content of Magnocellular Hypothalamic Neurons."

Executive Vice President **Rodney W. Nichols** gave invited testimony at a hearing on "Science in the Mission Agencies and Federal Laboratories," held by the Committee on Science and Technology of the U.S. House of Representatives, in Washington, D.C., October 23.

Professor **Burt Ovrut**, Theoretical Physics, appeared on "Nova," on Channel 13, on October 22. He discussed aspects of "unified" theories of theoretical physics, and the excitement such theories are creating in the physics community.

Professor **Susan Schwartz-Giblin**, Neurobiology and Behavior, presented an invited paper, "Hypothalamic Output Controlling Reticulospinal and Vestibulospinal Systems Important for Emotional Behaviors," at the Fulton Society symposium, "Brain Mechanisms of Emotion," at the XIII World Congress of Neurology, in Hamburg, West Germany, September 4.

Professor **Dennis Stark**, director of the University's Laboratory Animal Research Facility (LARC), is president-elect of the 3,000-member American Association for Laboratory Animal Science (AALAS), as announced at the 36th annual AALAS meeting, held in Baltimore, November 3-8.

## Deaths

**C. Phillip Miller, Jr.**, 91, a member of the original faculty of the University of Chicago School of Medicine, who was an assistant resident physician at the Rockefeller Hospital from 1920 to 1925, on September 4.

**Ernest Nagel**, 83, philosopher of science and professor at Columbia University from 1930 to 1973, who was a visiting professor at Rockefeller in 1966, on September 20.



## Benefit Concert Held

Harpsichordist Lionel Party, pianist Sara Faust, both related by marriage to the University, and The Greenwood String Trio, with Rockefeller student Daniel Fisher on violin, presented "Rockefeller at Play: A Festival of Music," on December 11 in Caspary Auditorium. The concert was underwritten by The Spunk Fund and benefitted The Rockefeller University Children's School.

Mr. Party, husband of Radiation Safety Officer Esmeralda Party, opened the program with five Scarlatti sonatas. Sara Faust, wife of Professor Irving Faust, played a Chopin sonata.

The Greenwood String Trio, composed of Susan Crawford on viola and Adam Grabois on cello, in addition to Daniel Fisher, usually appears as The Greenwood String Quartet. The group underwent a name and program change for the evening's performance due to an injury to violinist Eric Usadi. They played a Mozart Divertimento. Mr. Fisher, a graduate of Swarthmore College and the New School of Music in Philadelphia, performs frequently with the quartet throughout the New York area.

## Lab Report (continued from page 2)

curtail the production of cachectin or its action on fat cells, in order to prevent terminal shock from infection.

### *The Cancer Connection*

Cachexia is associated with a number of human diseases: 30 percent of cancer victims die as a result of cachexia's emaciating effects. But when Dr. Cerami's research group began to identify cachectin's structure, they found it to be identical to tumor necrosis factor (TNF), a substance that has been demonstrated to kill cancer cells without harming normal cells. Furthermore, TNF is being produced by several genetic engineering companies for upcoming human trials and eventual use in cancer chemotherapy.

The Rockefeller research reveals the substance's dual nature and the importance of designing drug trials to determine safe dosages that will reduce tumors without sending the patient into shock.

Says Dr. Cerami: "Cachectin's physiological role is complex and involves many cellular and organ systems. We have only begun to understand some of its many important features."

*News and Notes* is published five times a year from October through July. This is Volume 17, Number 2. Suggestions for articles are welcome and may be sent to *News and Notes*, Box 194, phone extension 8968 or 8970. Photographs, page 1, left top and top, Rockefeller Center Management Corporation; page 1, left bottom and right, Ingbet Grüttner; page 1, center and page 6, George Byron; page 2, Mary Wagner; page 3 and page 4, The Rockefeller University Archives. © 1985 The Rockefeller University, New York 10021-6399. Printed in the United States of America.

## Breslow Delivers Public Lecture

More than 400 members of the neighborhood and campus community were in the Caspary Auditorium audience on October 29 to learn how "medical detectives" search for clues to the causes of coronary heart disease. The occasion was the University's first public lecture.

Professor Jan Breslow, head of the laboratory of biochemical genetics and metabolism, spoke on "Heart Attacks, Genes, and Cholesterol," following an introduction by President Lederberg. Dr. Breslow summarized the history of the research on heart disease, the nation's number one killer, and described the work of his laboratory and clinic in The Rockefeller University Hospital.

## Waiting for Gloria

On September 26th, twenty-four hours before hurricane Gloria was to arrive in the New York City area, members of the University staff were mobilized, securing the campus against the storm's forecasted 100-mile-an-hour winds and 10 inches of rain.

Security Director Edward Clarke issued an advisory alerting the community to emergency storm procedures (including making sure that chemicals were removed from laboratory window sills).

Working through the night, Director of Plant Operations Thomas P. McGinnity and a crew supervised by Thomas Mineo, Guenther Ebert, Robert Channell, and James Mortko toured campus basements and roofs, anticipating flooding or electrical problems and testing all standby generators under load.

Custodial and maintenance crew members taped the large, vulnerable windows in the President's House, the cafeteria, Caspary, and the Tower greenhouse and lined the entrance doors of the boiler room and Smith Hall Annex facing the F.D.R. Drive with sandbags against an East River overflow, which did occur. Water pumps were readied and the emergency generator was checked.

On hurricane morning, Hospital Administrator Kathy Kleinbard and Director of Nursing Services Elizabeth Straight instituted emergency precautions for the Hospital, supervising patient care with a curtailed staff. Director of Dietetics Anne Brown continued to provide specially prescribed meals for patients, and Director of Food Services Jeremiah Barry and his staff provided food and coffee for those who remained on campus weathering the downpour.

By two o'clock in the afternoon, Gloria had side-stepped the city, leaving behind clear skies, minimal flooding in a few campus buildings, and some dead branches scattered on the grounds. According to Head Gardener John Considine, the campus came through the storm of '85 "in tip-top shape."

## Promotions

**Charles D. Gilbert**, Neurobiology, to associate professor, effective June 1.

**Colin Barnstable** and **Peter MacLeish**, Neurobiology, **Michael Brownlee**, Medical Biochemistry, **Brian T. Chait**, Mass Spectrometry and Gaseous Ionic Chemistry, and **George S. Drummond**, Metabolism-Pharmacology, to associate professor, effective November 1.

**Alan A. Aderem**, Cellular Physiology and Immunology, to assistant professor, effective October 1.

**Richard J. Hershcopf**, Biochemical Endocrinology, and **David Vicario**, Animal Behavior, to assistant professor, effective November 1.

## Correction

*News and Notes* regrets that Leif H. Finkel, a member of the laboratory of developmental and molecular biology, was incorrectly listed in the "Promotions" column of the October-November issue. His correct title, effective July 1, is assistant professor.



On November 4 an Irvington House Institute for Medical Research plaque was unveiled on the wall of Professor Zuvil A. Cohn's laboratory at a reception marking the second year of a three-year grant from Irvington House in support of the laboratory's immunological research. From left, Gates McG. Helmes, chairman of Irvington House, Postdoctoral Fellow Nina Bharadwaj, Dr. Cohn, Faith Lasser, executive director of Irvington House, and Professor Ralph Steinman.

## Physicists Get Together for "Scattering"

Rockefeller physics was amply represented at the Workshop on Elastic and Diffractive Scattering, held last June at the Chateau de Blois in France. Professors Rodney Cool and Nicola N. Khuri both chaired sessions at the conference. Professor Konstantin Goulianos gave an invited talk, "Diffractive Cross-Sections and Charged Multiplicities," and graduate fellow Richard Breedon was one of the participants.