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## NEWS AND NOTES 1988, VOL.19, NO.4

The Rockefeller University

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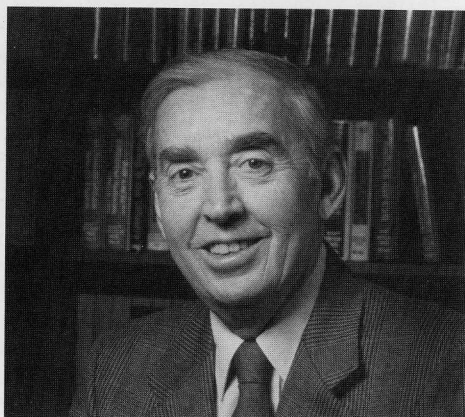
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# News and Notes

## The Rockefeller University

April-May 1988  
Volume 19, Number 4



Rodney L. Cool

### Rodney L. Cool 1920-1988

Professor Rodney L. Cool, a physicist whose research helped to establish the existence and define the properties of the subatomic particles called quarks, died of cancer on April 16 at New York Hospital at the age of 68.

Dr. Cool joined the Rockefeller faculty in 1970 to establish an experimental physics group. From their home base at the University, he and his colleagues planned experiments that were conducted at national and international accelerator facilities.

Among his own research contributions Dr. Cool and collaborators at CERN, the European Center for Nuclear Research, in Geneva, Switzerland, provided essential data confirming quarks as the building blocks of neutrons and protons. His recent research had been directed toward probing the properties of the forces that bind quarks together.

Born in Platte, South Dakota, on March 8, 1920, Dr. Cool received a B.S. degree from the University of South Dakota, in 1942, and

*continued on page 2*

### New Treatment for Infant Jaundice

A new approach to the management of jaundice in the newborn was reported in a lead article in the April 5 issue of *Pediatrics* by a research team headed by Attallah Kappas, Sherman Fairchild Professor and Physician-in-Chief of The Rockefeller University Hospital.

The team included Professor George Drummond, a member of Dr. Kappas's

### NAS Elects Feigenbaum, Nottebohm, Roeder

Professors Mitchell J. Feigenbaum, Fernando Nottebohm, and Robert G. Roeder were elected to membership in the National Academy of Sciences at the academy's annual meeting in April. They join 42 other current Rockefeller faculty members and trustees who belong to one of the most prestigious associations in the world of science.

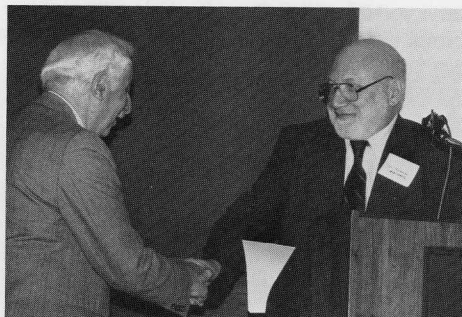
Dr. Feigenbaum, the University's first

Toyota Professor, came to Rockefeller in 1987 from Cornell University to establish the laboratory of mathematical physics. He is a founder of the field of chaotic dynamics, or chaos. Other recent honors include a MacArthur Foundation Award in 1984 and the 1986 Wolf Foundation Prize in Physics, Israel's top scientific honor.

*continued on page 5*



*At the University's anniversary and retirement dinner on May 2. Top, Anthony Fusco, left, who celebrated his 40th anniversary, with Mrs. Fusco, and Elbin Diaz, who celebrated his 25th. Bottom, President Lederberg and Professor Philip Siekevitz, who was honored on the occasion of becoming emeritus.*



metabolism—pharmacology laboratory and co-developer of the new treatment; Drs. Sophia Petmezaki and Thomas Manola of the Metera Maternity Center, in Athens; and Dr. Timos Valaes, professor of pediatrics at Tufts University and research consultant at Metera.

Described by the journal's editor, Dr. Jerold F. Lucey, as "a promising and exciting new approach to the prevention of neonatal

*continued on page 4*

### Annual Celebration

Each spring, the University's anniversary and retirement dinner fetes members of the Rockefeller community who have reached the quarter-century mark or are retiring after a decade or more of service.

This year's party, held on May 2 on the 17th floor of the Tower, honored 28 celebrants whose achievements were acknowledged with gifts and testimonials presented by President Lederberg.

Those marking 25th anniversaries are Assistant Chef Rosalio C. Castro, Laundress Mary E. Collins, Maintenance Shop Foreman Elbin Diaz, Instrument Design Engineer Rudolf Franz, Assistant for Research Wanda Jones, Library Processing Section Supervisor Lillian McDuffie, Plant Operations Office Administration Supervisor Erika Mueller, Food Helper Ernestine Newton, and Laboratory Helper Edna O'Neal.

Celebrating his 40th anniversary with the University was Anthony Fusco, a maintenance electrician.

Also honored, on the occasion of becoming emeritus were Professors Kenneth Case, Christian de Duve, Abraham Pais, and Philip Siekevitz.

The retirees were Paul J. Addis (12 years), Jean Y. S. Alexander (10 years), Rosa Barranco (19 years), Ruth Lee Brooks (26 years), Cora J. Fields (37 years), Christian Gillespie (30 years), Lena Lindsay (26 years), Virginia

*continued on page 2*

### Schreiber Dies

Professor Morris Schreiber, a mathematician with the University since 1962, died on April 30 at the age of 61. His obituary will appear in the next issue.



*Cool (continued from page 1)*

an M.A. and Ph.D. from Harvard in 1947 and 1949, respectively. During World War II, he served in the Signal Corps, rising to the rank of Major.

He joined the Brookhaven National Laboratory in 1949 as a research physicist and was appointed chairman of high energy physics in 1960, assistant director of Brookhaven in 1964, and associate director in 1966.

A member of the National Academy of Sciences since 1972 and a Fellow of the American Physical Society, he served as chairman of the Physics Advisory Committee of FERMILAB, the national accelerator laboratory in Illinois, and of the High Energy Physics Advisory Committee at Brookhaven.

Other memberships included the Review Committee for Argonne Universities Association, the Princeton-Pennsylvania Accelerator Science committee, the Advisory Panel for Physics of the National Science Foundation, the High Energy Physics Advisory Panel of the Atomic Energy Commission, and the Walker Panel Committee on Science and Public Policy of the National Academy of Sciences.

At a memorial service held at the University on April 28, Professor Konstantin Goulianos, Dr. Cool's laboratory co-leader, described his colleague and friend as "a rare combination of a superb scientist, a competent administrator, and an exceptional human being."

Dr. Cool is survived by his wife, the former Margaret E. Macmillan, his sister Harriet Jane Hanna, his son John, his daughters Adrienne, Ellen Kwait, and Mary Lee Gupta, and six grandchildren.

## Cynthia Greenleaf Named Associate Vice President

Cynthia Greenleaf, formerly assistant provost of the University of Chicago, has been appointed to the newly created post of associate vice president for administration.

A graduate of the Georgetown University Law Center who holds a master's degree in education from Harvard University, Ms. Greenleaf has devoted her career to academic administration. She served with the provost's office of the University of Rochester and with Harvard's Center for Education Policy Research and was acting dean of students at Smith College, her alma mater, from 1971 to 1972.

She was associated with the provost's office at the University of Chicago for 11 years, working in its Office of Economic Analysis and as special assistant to the general counsel

*Cynthia Greenleaf*



*Christian Gillespie and Erika Mueller*



*Lillian McDuffie and Mr. McDuffie*

*Annual Celebration (continued from page 1)*

C. Littau (31 years), Charles V. Liverpool (16 years), Bathurst N. Muir (15 years), Frank Parszuto (35 years), Armando Pelaschier (22 years), Hattie L. Powell (20 years), Robert Vranek (33 years), and George Zerafa (35 years).

Mr. Addis, in his 13 years as maintenance mechanic at Faculty House, has endeared himself to every family there. Their feelings were summed up in a poem by Professor Henry Wood, "we will miss Paul Addis... thanks for all the special things you gave us every day."

Miss Alexander is retiring after 10 years of association with the University as cafeteria manager through her employment with Schrafft's Saga/Marriott organization. Her retirement plans include a move to her new home in Florida and visits to family in Majorca, Australia, and her native Scotland.

Mrs. Barranco, another member of the food services staff, is retiring after 19 years of service. Her colleagues say they will miss her sunny disposition, which they claim is due to her daily ritual of greeting the sun in the dining room as it rises over the East River.

before becoming assistant provost in 1979.

At Rockefeller, she will be working with President Lederberg, Executive Vice President Rodney W. Nichols, the faculty, and the board of trustees on a range of activities that include the University's involvement with federal policies and with local governments. Among her activities within the University, she will assist the faculty lecture committee with lectures that have interinstitutional dimensions, and she will provide senior administrative help to the University Fellows program, which seeks out and supports promising young investigators working on independent research projects.

In announcing her appointment, Dr. Lederberg states: "We are delighted to be able to draw on Ms. Greenleaf's exceptional talents and experience in dealing with issues that significantly affect the University's well being."



*Paul Addis and Mrs. Addis*



*Cora Fields*



*Jean Alexander, Ernestine Newton, Alzatta Fogg, and Rosa Barranco*

A former English teacher, Miss Brooks first came to Rockefeller 26 years ago as a laboratory technician for Henry Kunkel. She now plans to devote more time to two of her hobbies, writing and astronomy, perhaps joining them in a book about the stars.

Mrs. Fields joined the University 37 years ago as a laboratory helper for Professors William Trager, John Nelson, and Norman Stoll. She soon became the lab's caretaker, keeping it and the people there in good condition. Known as their "resident psychiatrist," Mrs. Fields returns often to visit her old friends.

Miss Gillespie spent 25 years as secretary to Professor Fritz Lipmann, then returned to her native England, only to find that "I really belong here after all." She joined the laboratory of Professor Norton Zinder for another five years. Her plans include trips to Australia, New Zealand, and Florida.

It has been noted that because she missed the warm sunshine in her native Panama, Mrs. Lindsay created her own personal brand, which she spread everywhere during her 26 years of service to the University, most recently as a laboratory helper to Professor Norton Zinder. She has retired to a new home in Florida.

Dr. Littau's 31-year association with the University began in the plant biology laboratory of Professor Armin Braun. She later identified where newly synthesized RNA was





Mrs. Trager, Dr. William Trager, Dr. Virginia Littau, and Dr. Alan Littau



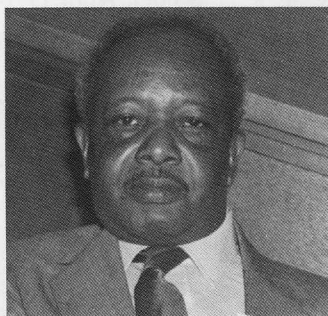
Mrs. Pelaschier, Armondo Pelaschier, Mrs. Franz, and Rudolf Franz



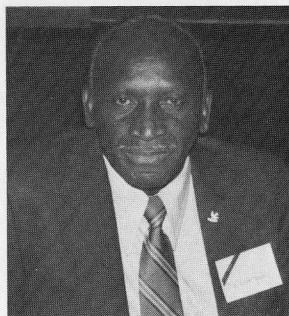
Mary Collins



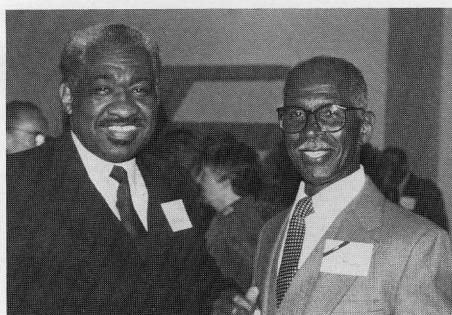
Edna O'Neal



Rosalio Castro



Charles Liverpool



Charles Baird and Bathurst Muir



Mrs. Zerafa and George Zerafa

inside the cell's nucleus and also showed that nucleosomes open in half during RNA synthesis. Her interests in ornithology and marine biology have taken her to many places, including Antarctica and the Great Barrier Reef. She and her husband are now planning more trips.

Mr. Liverpool's experience in the police department in his native Guyana prepared him well for his role as sergeant in the University's security office, which he joined 16 years ago. "Turnkey," his nickname because of his past as a prison warden, and his many jokes helped the hours pass quickly for those he would meet on his night rounds.

A 15-year veteran of the security office, Mr. Muir came to the University following his retirement from the Jamaica constabulary as a corporal, having spent his career divided between the Jamaican army and police force. With that experience and his skill as an amateur boxer, he was a well-qualified member the security staff.

Mr. Parszuto has given 36 years of service to the University, the first six as an animal attendant and the next 30 as a group leader in the Laboratory Animal Research Center, where "he and the care he gave his charges will be missed greatly."

Mr. Pelaschier joined the laboratory of Professor Christian de Duve 22 years ago as "head gadgeteer" in charge of maintenance,

repairs, and development of instruments. He also has repaired a myriad of appliances for members of the University community. Although he looks forward to fishing in Long Island Sound, he plans to return to the campus one day a week as a consultant.

Mrs. Powell has been associated with Rockefeller for 21 years as a night cleaner on the custodial services staff. Her friendly greetings and efficiency will be missed by the many "night people" she met on her rounds.

For 34 years many researchers have known that the animals they use in their studies have been tended by Mr. Vranek, who has been an attendant in the animal house and at the Laboratory Animal Research Center. His first-rate care, though duplicated by his co-workers, as well as his presence, will be missed by many.

Mr. Zerafa's 35 years at Rockefeller include time as a group leader at the old animal house, a laboratory attendant in Professor Carl Pfaffman's research group and at the University's Laboratory Animal Research Center. He is retiring to a new home in Millbrook, New York.

Honored in absentia were Ruth L. Brooks, Kenneth Case, Christian de Duve, Wanda Jones, Lena Lindsay, Abraham Pais, Frank Parszuto, Hattie L. Powell, and Robert Vranek.

## Changes in Purchasing

In April, the purchasing office moved from its former quarters in Flexner Hall to new space in the Plaza Building. Telephone numbers and box numbers remain the same.

The office is now located on the B level, and will be open from 9 A.M. to noon and from 1 to 5 P.M. The storeroom is on the first floor, Room 104, and is open from 9 A.M. to 3 P.M.. Room 102 houses inventory control.

The hours for the receiving areas have also been changed, with 64th Street open from 8 A.M. to 5 P.M., and 68th Street from 8 A.M. to 4 P.M.

## Happy 100th, Dr. Heidelberg

In 1977, Professor Maclyn McCarty said of Michael Heidelberg, whom he was presenting for an honorary degree at the University: "In his determination to apply the rigorous techniques of chemistry to the biological phenomena of immunology, he became the founding father of quantitative immunochemistry," and added that the achievements of Heidelberg and his co-workers have "contributed to all fields of biology and medicine."

Dr. Heidelberg came to work at The Rockefeller Institute for Medical Research in 1912. The research he began shortly after, initially in collaboration with Oswald T. Avery, continued at Rockefeller until 1927; then at Columbia University's College of Physicians and Surgeons, where he is professor emeritus; and, most recently, at New York University.

On April 29, Michael Heidelberg, still in the lab, celebrated his 100th birthday.

Professor Bruce S. McEwen, Neuroendocrinology, with television reporter Connie Chung, interviewing him for a special report on stress that aired April 25 on NBC.







*Her Royal Highness Princess Chulabhorn of Thailand accepting flowers from Kate Heinzelman and Elizabeth Ziman, pupils at The Children's School, during a visit to the campus on April 19 in conjunction with the establishment by the Rockefeller Brothers Fund of a postdoctoral fellowship for a Thai researcher at the University. With the Princess is David Rockefeller, University trustee and retiring chairman of the Rockefeller Brothers Fund, and, in the background, from left, Professor and Dean of Graduate and Postgraduate Studies Anthony Cerami, Dr. Jerapan Krung Krai, recipient of the fellowship, and Professor and Associate Dean Mary R. Rifkin.*

## James Linen Dies

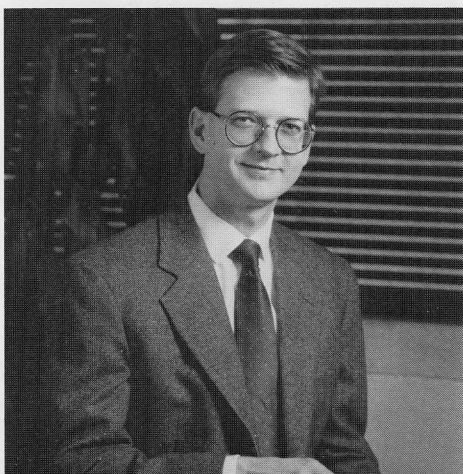
James A. Linen III, a former publisher of Time and president of Time Inc., who served the University as a trustee for 15 years and was founder of The Rockefeller University Council and its chairman for 10 years, died on February 1 at the age of 75.

A graduate of Williams College, Mr. Linen began his lifelong career at Time Inc. as a clerk, becoming publisher of Time magazine after service in World War II with the Office of War Information. He was elected president of Time Inc. in 1960, and chairman of its executive committee in 1969.

Although confined to a wheelchair during the later years of his life, he continued as an international business consultant after his retirement in 1973. He was also an active participant in civic and educational affairs.

He joined The Rockefeller University's board in 1972. The following year he conceived and did the initial recruiting for The Rockefeller University Council, a group of leaders in industry, the professions, and public service, who would become, in his words, "articulate ambassadors of the University," a role he himself exemplified.

*Michael Hayre*



## New Treatment (continued from page 1)

hyperbilirubinemia," the therapy is based on the use of a recently developed compound to block the enzymatic breakdown of heme to the yellow pigment bilirubin.

Bilirubin is a normal constituent of blood. In certain newborn infants, such as those with hemolytic disease due to ABO-blood group incompatibility, who were the subjects of the study, excessive levels of the pigment accumulate in the blood. Bilirubin toxicity may then occur in the central nervous system if blood levels of the compound are not lowered promptly.

Some severely jaundiced babies require blood exchanges. Most are treated by phototherapy—exposure to special lights which convert bilirubin to derivatives that the functionally immature liver of the infant can excrete. While effective, this treatment requires separating the infant from its mother during the prolonged periods needed for light exposure and tends to lengthen the hospital stay.

Phototherapy equipment is not available to millions of babies in underdeveloped countries. "In large areas of the world," Dr. Kappas states, "the introduction of a safe, simply administered and inexpensive agent that effectively suppresses bilirubin production and diminishes the intensity of neonatal jaundice, and thus the risk of central nervous system toxicity, would be of considerable benefit to newborn infants."

The new therapy involves the administration of a small dose of a synthetic heme analogue which binds tightly to the site on the enzyme, heme oxygenase, where the process of heme breakdown to bilirubin begins. The heme analogue contains tin as the central metal atom, rather than iron, as in natural

heme. This prevents the compound from binding oxygen and thus being converted to bilirubin. The analogue is not metabolized in the body but is excreted unchanged.

In contrast to the current treatments, which are directed towards disposing of bilirubin after it has formed and entered the circulation, the heme analogue treatment inhibits bilirubin production and thus diminishes the amount of it that enters the bloodstream. Extensive studies conducted over the past eight years at Rockefeller and at the Karolinska Institute, in experimental animals and in normal adults and patients with jaundice due to liver disease, have shown the enzyme inhibitor to be safe and effective.

In the report published in Pediatrics, 69 control and 53 treated newborn, full-term infants with jaundice due to ABO-blood group incompatibility were studied. The treated infants received one injection of the inhibitor shortly after birth and some received a second and third injection 24 and 48 hours later. The inhibitor diminished the rate at which blood bilirubin levels increased, especially in those who received a second or third dose. The effect was rapid and the need for phototherapy, as well as its duration when it was additionally required, was diminished substantially. No significant side effects were observed in any of the treated babies.

In ongoing research by Dr. Kappas and his colleagues, related enzyme inhibitors are being developed and studies undertaken to determine appropriate treatment schedules, identify infant populations in which such treatments might be most useful, and examine potential side effects of the use of agents that inhibit the breakdown of heme to bilirubin.

## Appointments

**Maya Frankfurt**, Neuroendocrinology, as assistant professor, effective January 1.

**Gloria M. Coruzzi**, Plant Molecular Biology, and **Ellen Pure**, Cellular Physiology and Immunology, as assistant deans, effective February 1.

## Hayre Appointed at LARC

Michael D. Hayre, formerly chief of the laboratory animal and surgery service of the Madigan Army Medical Center in Tacoma, Washington, has been appointed assistant veterinary director of the University's Laboratory Animal Research Center (LARC).

"The arrival of Dr. Hayre on campus will greatly facilitate educational programs and protocol review procedures for research investigators," said Dr. Dennis Stark, director of LARC, in announcing the appointment. "In addition, his expertise will enhance the expanding program of behavioral research at the Millbrook Field Center. I hope the faculty will work with him as they have with me over the past 12 years in our efforts to enhance the quality of our animal research programs."

Dr. Hayre, whose own research projects include work on synthetic blood and on a malaria vaccine, received his D.V.M. degree from Tuskegee University.

## Promotions

**Charles V. Mobbs**, Neurobiology and Behavior, to assistant professor, effective March 1.

**Spyridon Georgatos** and **Debkumar Pain**, Cell Biology, to assistant professors, effective April 1.

**Bruce W. Knight**, Biophysics, to professor, effective May 1.

**Anthony I. Sanda**, Theoretical Physics, to associate professor, effective May 1.

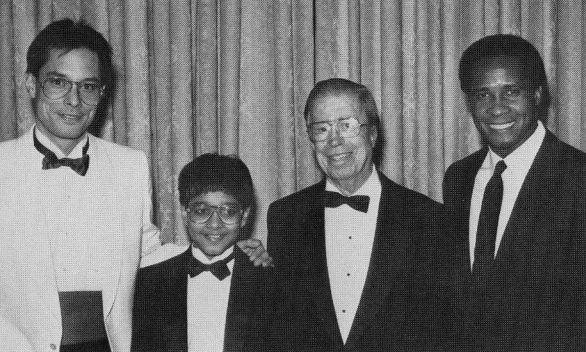
## Deaths

**Peter Elder**, 64, former partner and member of the board of Peat Marwick Main & Co., and a past director of the University's committee on trusts and estates, on March 10.

**George McLean**, 96, formerly associate professor of medicine at the University of Maryland School of Dentistry and assistant professor of medicine at its School of Medicine, who conducted postdoctoral research at the Rockefeller in the 1920s, on February 7.

**Lascelle Mighty**, 66, an aide in the laboratory of Professor David Mauzerall who was associated with the Rockefeller for 21 years until her retirement in 1986, on January 23.





Professor Bruce Merrifield, second from right, with from left, Big Brother David Matsuda, Little Brother Raymond Munian, and sportscaster and former football star Lynn Swann who presented him with the 1988 Science Award of Big Brothers Inc. of New York City on January 19.

## Honors and Awards

Professor **Nam-Hai Chua**, Plant Molecular Biology, has been elected a Fellow of The Royal Society, London.

Professor **Paul F. Crane**field, Cardiac Physiology, and Adjunct Professor **Brian F. Hoffman**, David Hosack Professor and chairman of the Department of Pharmacology, Columbia University's College of Physicians and Surgeons, received the 1988 Medal of The New York Academy of Medicine on April 14. The medal recognizes distinguished contributions to medical science. They were cited for work that led to a "new era in cardiac physiology and pharmacology. . . . Their encyclopedic book appeared in 1960 and remains today the major reference for cardiac electrophysiology and beckons the way for future microbiological and molecular solutions in heart disease." Previous Rockefeller recipients have included Professors Oswald Avery, Maclyn McCarty, Vincent P. Dole, and Rebecca C. Lancefield.



Professor Paul Crane

Professor **Louise Dolan**, Theoretical Physics, has been awarded a John Simon Guggenheim Memorial Foundation fellowship for 1988. The award is given for unusually distinguished achievement in the past and exceptional promise for future accomplishment.

Professor **Vincent P. Dole**, Biology of Addictive Diseases, was one of four recipients of the 1988 Mayor's Awards of Honor for Science and Technology, presented by the Mayor's Commission for Science and Technology on April 25.

Professor **Maclyn McCarty**, Bacteriology and Immunology, has been awarded the

Jessie Stevenson Kovalenko Medal of The National Academy of Sciences, in recognition of the discovery and characterization that DNA is the chemical substance of heredity, and for subsequent contributions to the understanding of the biology of streptococci and their role in disease.

Professor **Bruce Merrifield**, Biochemistry, received the 1988 Science Award from the Big Brothers Inc. of New York City, on January 19.

Professor **Torsten N. Wiesel**, Neurobiology, has been elected a Fellow of the American Association for the Advancement of Science.

Professor **Norton D. Zinder**, Molecular Genetics, has been elected to a three-year term to the Council of the National Academy of Sciences, effective July 1.



Barbara Adams and Disque Deane with children from the School.

## RU Baseball Caps

Just arrived on campus—the official Rockefeller University baseball cap. Available for sale at the Children's School Sweatshirt Shop, the hats were donated by Trustee Disque Deane to help the school's fundraising efforts aimed at keeping tuition costs down.

The hats are adjustable and come in either navy blue with gold letters or "lab-coat white" with navy lettering. They sell for \$8.00 each, with all proceeds benefiting the school.

The Sweatshirt Shop is open every Tuesday from 11:30 A.M. to 1:30 P.M., in Room 107 of Gasser Hall. Volunteers are needed to help with selling and inventory work. If you can give a hand, please contact Barbara Adams, the School's director, at extension 8580 or box 50.

NAS (continued from page 1)

Dr. Nottebohm is director of the University's Field Research Center for Ecology and Ethology in Millbrook, New York, and a faculty member since 1967. His research is mainly concerned with the evolution and neural basis of vocal learning in birds, results of which have contributed new insight into principles of brain organization and function.

Dr. Roeder joined the University in 1982, coming from Washington University in St. Louis to organize a new laboratory of molecular biology and biochemistry. In 1985, he was named Arnold and Mabel Beckman Professor. His research focuses on the control of gene expression in mammalian cells during cell growth, differentiation, and infection by DNA tumor viruses.

## Lab Report: Membrane Ghosts and Zellweger Syndrome

Peroxisomes, one of the last cell structures to be identified, were first discovered in the biochemical cytology laboratory of Nobel laureate and Andrew W. Mellon Professor Christian de Duve, and have been the subjects of intensive investigation by Professor Paul B. Lazarow and his group.

Thus named because they produce hydrogen peroxide, peroxisomes are found in virtually every cell type throughout the plant and animal kingdoms. Over the past decade, studies by Dr. Lazarow and others have revealed that peroxisomes perform key roles in many cellular functions including lipid metabolism and neural development.

Much of what has been learned about peroxisome function has come through observations of the tragic consequences of their absence. Children with Zellweger syndrome are born with distorted heads and facial features, abnormal fatty deposits, and severe neurological impairment. In their brief life span—they invariably die within a few months—they suffer liver and kidney malfunction and seizures, among other lethal effects.

In a paper, "Peroxisomal Membrane Ghosts in Zellweger Syndrome—Aberrant Organelle Assembly," published in the March 25 issue of *Science*, Dr. Lazarow and his colleagues, Manuel Santos, Tsuneo Imanaka, Helen Shio, and Gillian Small, report their findings concerning what appears to be the primary defect leading to this deficit.

The research they report stemmed from the observation that although peroxisomes were thought to be missing in Zellweger patients, some of the organelle's membrane proteins are in fact present.

Investigation of this phenomenon has shown that the peroxisomal membrane is assembled correctly, but is empty, lacking the internal proteins that carry out the biochemical functions of this cell structure. Thus this disease appears to be due to a genetic defect in the mechanism for importing matrix proteins to form the peroxisome's internal structure.

"Our speculation," says Dr. Lazarow, "is that what is affected may be either the membrane receptor for these proteins or the protein that utilizes ATP in the import process." (ATP is the chemical carrier in cellular energy transfer and in biosynthesis.)



As usual, talent was everywhere on display at the 1988 Rockefelleries on April 22. Shown here, Graduate Fellow and clarinetist Stephen Devoto.



## Small Town New York

One day last February, after giving a colloquium at New York University, Professor E.G.D. Cohen, a member of the Rockefeller physics faculty, hopped into a taxi. Arriving home, his mind "still on the talk and the lively discussion that had followed," he left behind in the cab his briefcase with his only copy of the lecture and dozens of precious transparencies.

After fruitless inquiries to the taxi company and the police, he resigned himself to rewriting the text "while the memory was still fresh." No sooner had he finished than a call came from a Ronald J. DiPrinzio of Merrill-Lynch. The taxi's next passenger, Mr. DiPrinzio had found the briefcase and, discovering a reprint of Dr. Cohen's in it, decided to take a chance that the author might be the owner.

The success of his hunch gave Mr. DiPrinzio a special pleasure. As a consultant to Vice President and Treasurer David J. Lyons, he was no stranger to the University. A couple of days later, Mr. DiPrinzio, Dr. Cohen, and Mr. Lyons shared a celebration lunch.

## Briefs

**Professor David J. E. Callaway**, Theoretical Physics, was an invited speaker at the Latin American meeting on High Energy Physics, held in Valparaiso, Chile, December 10-16. He spoke on "Will Higgs Particles Ever Be Found?" and "Microcanonical Technology for Lattice Gauge Theory."

Rockefeller University Council member **William T. Golden**, vice president of the American Museum of Natural History and treasurer of the American Association for the Advancement of Science, was installed as president of The New York Academy of Sciences at the Academy's 170th annual meeting, December 7.

Professor **Emil Thomas Kaiser**, Bioorganic Chemistry and Biochemistry, presented a series of lectures in the fall, including the Lutz Lecture at the University of Virginia, the Glaxo Lecture at the University of North Carolina, the Calvin Lectures at the University of California, Berkeley, and the Research Scholar Lecture at Drew University. In April he gave the Archer Lecture at Rensselaer Polytechnic Institute and in May he will present the Dauben Lecture at the University of Washington. He also was a participant in the Consensus Development Conference on Prevention and Treatment of Kidney Stones, at the National Institutes of Health, March 28-30.

Professor **Ehud Kaplan**, Biophysics, chaired a session at the Workshop on Information Processing in Neuronal Networks, and spoke on "Information Filtering in the Mammalian Lateral Geniculate Nucleus," at the Japanese National Institute for Basic Biology in Okazaki, Japan, February 26-28.

Physician-in-Chief and Professor **Attallah Kappas**, Metabolism-Pharmacology, has been appointed Adjunct Professor, Department of Pediatrics, Karolinska Institute,

Stockholm, and Consulting Physician to the Huddinge University Hospital, one of the two principal medical centers associated with the medical school of the Karolinska. Dr. Kappas served as the first Rockefeller Exchange Professor at the Karolinska, funded by the Gunnar and Lillian Nicholson Fund and, over the last several years, has been conducting a clinical research program there with colleagues in the Departments of Clinical Chemistry, Medicine, and Pediatrics.

Professor **Paul Lazarow**, Biochemical Cytology, spoke on "Function and Biogenesis of Peroxisomes," at a symposium at the Society for Pediatric Pathology, in Washington, D.C., February 27; at a Conference on Mechanisms and Management of Pediatric Hepatobiliary Disease, in Arlington, Virginia, February 28-March 1; and at the American Society of Neurochemistry, in New Orleans, March 7-11.

**President Lederberg** and Trustee **Lewis Thomas**, president emeritus, Memorial Sloan-Kettering Cancer Center, spoke at a conference, "In Time of Plague," sponsored by The New School Graduate Faculty, in New York, January 15. The meeting examined the history, treatment, prevention, and social implications of infectious diseases, including AIDS.

**Dr. Lederberg** and Rockefeller University Council member **William T. Golden**, president of The New York Academy of Sciences, have been named co-chairmen of a new Commission on Science, Technology, and Government, established by the Carnegie Corporation of New York. The main purpose of the Commission is to seek ways in which the branches of government can encourage and use the contributions of the national scientific community. Trustee **David A. Hamburg** is Carnegie Corporation president.

Senior Fellow **William Lowrance**, director of the University's Life Sciences and Public Policy program, presented the keynote address, "A Broad Framework for Confronting Health Risks," at the CIBA-GEIGY Conference on Perception and Management of Drug Risks, in Wolfsberg, Switzerland, April 5.

Professor **Alexander Mauro**, Biophysics, was a visiting professor in the Department of

Physiology at the University of Geneva, Switzerland, from September through mid-December, working on the electrophysiological properties of satellite cells. During his stay, he was a guest lecturer of the biophysics departments at the University of Genoa, the University of Torino, Italy, and the University of Konstanz, Germany.

Professor **Bruce S. McEwen**, Neuroendocrinology, presented The Pattison Symposia, "Steroid Hormones and the Brain," sponsored by The Institute for Child Development Research, held at Harvard Medical School, April 13-14. He spoke on "Steroid Receptors and the Brain: Linking Genome with Environment in Health and Disease." He was chairman of the "Neuroendocrine Symposium: Hormonal Influences on the Brain," and conducted a seminar on "Genomic Involvement in Hormone-induced Plasticity of Behavior."

Adjunct Professor **Robert K. Merton**, University Professor Emeritus, Columbia University, was honored at a conference sponsored by the Harvard University Department of the History of Science, February 19-20, to commemorate the 50th anniversary of his book, "Science, Technology and Society in Seventeenth Century England." On March 11, a plenary session, "Robert K. Merton: An Appreciation," was held at the 58th annual meeting of the Eastern Sociological Society, in Philadelphia.

Professor **Alexander Tomasz**, Microbiology, served as the Karl Beyer Visiting Professor at the University of Wisconsin Medical School in March.

## Personals

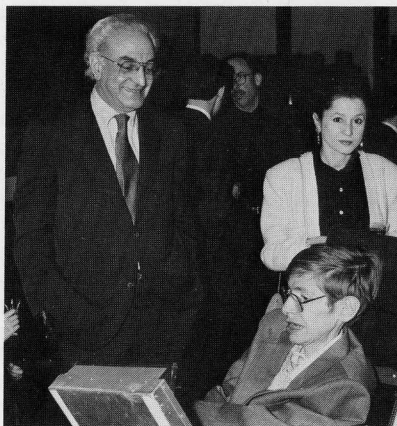
Laboratory Safety Attendant **Isaiah Curry** was married on March 5 to Evelyn John.

Born January 10 to Head Porter **Neville Fleming** and his wife, Leonida, a daughter, Cassandra Tiffany.

Postdoctoral Fellow **Addie Sherbany**, Investigative Dermatology, was married on March 27 to Milan Ganik, a lawyer.

Postdoctoral Associate **Daniel Y. Ts'o**, Neurobiology, was married on March 26 to Kathleen E. Lamb, a second-year student at Hofstra University School of Law.

Born February 28 to Adjunct **Michael Yamin** and his wife, Wendy Stern, a son, Tyler Nathaniel.



*Professor Nicola Khuri, left, and Stephen Hawking, Lucasian Professor of Mathematics at Cambridge University, at a March 17 reception at the University held by Bantam Books, publishers of Dr. Hawking's new book, A Brief History of Time.*

Continuing its long-standing policy to actively support equality of opportunity for all persons, The Rockefeller University forbids discrimination on the basis of race, color, religion, sex, age, national origin, or handicap. The Administration has an Affirmative Action Program to increase the employment of women and members of minority groups in all areas of the University's activities.

*News and Notes* is published five times a year from October through July. This is Volume 19, Number 4. Suggestions for articles are welcome and may be sent to *News and Notes*, Box 68, phone extension 8967. Photographs, page 1, 2 top, 3 top, 4, 5 center, John Sholtis; page 2 left, 3 right, 5 right, 6, Michael Abella. © 1988 The Rockefeller University, New York 10021-6399. Printed in the United States of America.

# A View from the Dean's Office

## First-Year Students

This issue will complete the introduction of first-year students.

A 1987 graduate of Peking Union Medical College, Ran Jia came to Rockefeller after completing a three month internship at Harvard Medical School. Ran, who is a native of Beijing, became acquainted with RU through his advisor in China, Dr. Yu-fei Shen, who was a visiting scholar in Dr. Vincent G. Allfrey's cell biology lab from 1982 through 1984. Ran has one further connection with RU: his alma mater, Peking Union Medical College, was founded by the Rockefeller Foundation in the 1920s. He plans to study the regulation of gene expression while at RU.

Vlado Rahal, who was born in Germany and raised in Lebanon, is pursuing his interest in theoretical high energy physics at Rockefeller. A 1983 graduate of the University of Hamburg, where he received a B.A. degree with excellence in mathematics and physics, he also completed a masters degree in physics there in 1987. His thesis work was done on the Hawking theory of radiation of Black Holes. Vlado traces his interest in physics to an early fascination with electronics.

Voted Best All-Round Medical Graduate at the All India Institute of Medical Sciences in 1985, Anshu Vashishtha earned his medical degree in 1987. Anshu decided to focus on scientific research after working at Rockefeller in Dr. Hidesaburo Hanafusa's viral oncology lab during the summer of 1986. Immunology and molecular biology are Anshu's main interests. Currently, he is researching

(continued on page 2)

## Junior Faculty/Student Seminar Series

This May the junior faculty/student seminar committee launched a year-long series of biweekly lectures. The series, which is held on alternate Tuesdays in Tower 301 and will run throughout the summer, features both outside speakers and junior faculty members. Committee Co-Chairs Dr. Jan Geliebter, Dr. Patricia Wade, and Dr. Gloria Coruzzi solicited speaker recommendations from all University labs. The intent of the series is to offer lectures with university-wide appeal. The series is held in connection with the weekly scientific exchange luncheons and audience members have the opportunity to confer with speakers over lunch. Among the upcoming speakers scheduled are Dr. Karl Matlin speaking on "Cell Polarity and Protein Traffic," Dr. Kevin Struhl discussing "Yeast Transcription Factors (GCN4)," and Dr. M.L. Karnovsky reporting on "Bacterial Products as Modulators of Sleep."

## Appointment of Two Assistant Deans

On February 1, 1988, the President of the University, Dr. Joshua Lederberg, announced the appointment of two new assistant deans, Dr. Gloria M. Coruzzi and Dr. Ellen Pure.

Gloria Coruzzi, who is an assistant professor in Dr. Nam-Hai Chua's plant molecular biology lab, will be assistant dean of postdoctoral fellows. She has been at Rockefeller since 1980, when she came as an NIH postdoctoral fellow to Dr. Chua's lab. At the time she found Rockefeller a little "austere" and the opportunities to meet people in other labs limited. According to Gloria, you met people by knocking on doors "to borrow a centrifuge." In her new capacity, Gloria will be responsible for formalizing the opportunities for junior faculty interaction. In addition to the well-received scientific exchange luncheons, in the works are a junior faculty/student seminar series, a junior faculty/student meeting at Seven Springs, a poster session, and a monthly distribution of an RU publications list to all labs.

Gloria first learned about RU as a senior at Hunter College High School in New York City. As part of a senior internship program she worked in the lab of Dr. Ronald Larkin studying the causes of obesity. Besides providing her with her first real lab experience, it may also have influenced her choice of a scientific specialization. After "chasing escaped obese rats around the lab," Gloria decided to concentrate in cell and molecular biology and work with lower, and presumably less mobile, organisms.

After acquiring her B.S. in biology at Fordham University, she went to New York

under the direction of Dr. Alexander Tzagoloff.

After a postdoctoral research position at Columbia University, Gloria came to work in Dr. Chua's lab. Her current research concerns plant genes involved in nitrogen metabolism and nitrogen fixation.

In her time away from the lab, Gloria enjoys classical music, opera, and playing the piano. She also loves to jitterbug and swing dance and is well versed in the merits of dance clubs throughout the city.

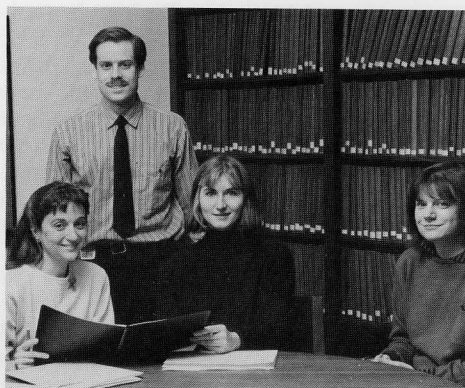
Dr. Ellen Pure, an assistant professor in Dr. Zanvil Cohn's laboratory of cellular physiology and immunology, will focus on recruitment for the Ph.D. program and the summer undergraduate research program.

Familiar with the admissions process through her two-year tenure on the graduate admissions committee, Ellen is enthusiastic about her new duties. She sees her role as acquainting the best graduate student applicants with the unique quality of the RU program and the "superb science" that is practiced here. She views the vitality of the lab as being "very dependent upon the graduate students." Ellen enjoys teaching and welcomes the opportunity to meet students through the immunology course she and Dr. Ralph Steinman give in alternate years.

A New York City native, Ellen envisioned a scientific career at a young age. After attending Bronx High School of Science, she entered Washington University in St. Louis to work on a B.A. in biology. Responding to a comment regarding the speed (three years) with which she completed her Ph.D. degree at the University of Texas Health Science Center/Southwestern Medical, she discounts her achievement by asking, "Have you ever lived in Dallas?" Under the direction of Dr. Ellen S. Vitetta, she wrote her thesis on "The Role of Surface Immunoglobulins and T Cell-derived Lymphokines in the Activation of Murine B Cells."

Ellen came to Rockefeller in 1982 as a postdoctoral trainee in Dr. Zanvil Cohn's cellular physiology and immunology lab. Sponsored by Dr. Jay C. Unkeless, she worked on the structural and functional studies of murine Fc receptors. In 1984, she was awarded the NIH New Investigator Research Award and made a Special Fellow of the Leukemia Society of America. Since 1985, she has been a PEW Scholar in Biomedical Sciences and an assistant editor of *The Journal of Experimental Medicine*. Her current research focuses on the activation and regulation of the humoral immune system.

Happily ensconced in New York City, Ellen, when not dead-heading from the lab to the ballet, enjoys tennis and collecting Japanese woodblock prints. Travel is her main passion after science, and she is well traveled, having been to the Far East and gone on safari in Kenya and Tanzania.



Junior Faculty/Student Seminar Committee Co-Chairs Gloria Coruzzi, Jan Geliebter, Patricia Wade, and Dean's Office Representative, Joanne Cunningham

University School of Medicine's cell biology department where she earned her Ph.D. in three years. As an NIH predoctoral fellow at NYU, she wrote her thesis, "Genetics and Biochemistry of Mitochondrial Biogenesis,"



### Students (continued from page 1)

gene expression as it relates to appetite regulation in Dr. Jeffrey Friedman's lab. Hiking and skiing have been his leisure time pursuits recently, but he is also concerned with social and environmental issues.

Leslie Vosshall's desire to pursue a scientific career was confirmed by several summers' work at Woods Hole Marine Biological Laboratory. Born in Switzerland, Leslie has lived in the United States since grade school. At Columbia College, where she was a John Jay Scholar and received her B.A. in Biochemistry in 1987, she worked on the cell biology of *Drosophila* and on electron microscopic studies of *C. elegans*. She also studied calcium movements and lipid turnover in human neutrophils in the laboratory of Dr. H.M. Korchak and Dr. Gerald Weissmann at

## Junior Faculty/Student Poster Sessions

Is it the Spring Art Show in Paris? No, it is the biannual Poster Session at Rockefeller University. Designed to acquaint the members of the RU community with research being done on campus, the poster session was organized by the junior faculty/student committee and held in the Tower Lobby on June 7. Committee Co-Chairs Dr. Charles Mobbs, Dr. Richard Pine, and Dr. Gloria Coruzzi invited all members of the University to participate by presenting their research in either full-length or abbreviated poster format. The poster session was held in conjunction with the weekly scientific exchange luncheon and provided ample stimulation for lunchtime conversation.



John Sholtis

Physical Chemistry course organizers, left to right, Sandy Simon, Martin Burschka, Bernd Christensen, and (seated) speaker Dr. Sol Gruner of Princeton University.

New York University Medical Center. At RU, she is in Dr. Michael Young's lab working on the molecular aspects of biological clocks.

Catherine Woolley, who was raised in Athens, Ohio, graduated with honors with a B.S. degree in Zoology from Texas A&M in 1987. At Texas A&M, she worked with Dr. M. Lynn Lamoreux, a mammalian pigmentation geneticist, and Dr. Eugene Sander, an enzymologist. Her thesis, "Direct Binding Studies on deoxyCytidylate Hydroxymethylase", won a university-wide award for the best undergraduate thesis. At Rockefeller, she is working in Dr. Bruce McEwen's neuroendocrinology lab studying D1 and D2 dopamine receptor subtype interactions in the rat brain striatum. Catherine is also an accomplished horseback rider, but has found the opportunities for riding in New York City somewhat limited.

A native of Madrid, Spain, Rafael Yuste earned his medical degree in 1987 at the Universidad Autonoma de Madrid. He credits his current focus on issues of cortex development to working with Dr. Sydney

Brenner at the Medical Research Council Laboratory of Molecular Biology in Cambridge, England in 1985. Rafael was attracted to Rockefeller by the work of Dr. Torsten Wiesel's neurobiology lab. At present, he is working with Dr. Lawrence Katz trying to determine the cellular rules governing cortex development in rats. Rafael, who is a pianist, also enjoys modern art and delights in the collections in New York City's museums and galleries.

Born in Beijing, China, Yu-Hang Zhao received her B.S. degree from Peking University in 1986 with a major in Biochemistry. Her undergraduate thesis work was done on "Metallothionin Gene of *Tetrahymena*: Amplification as a Possible Indicator of Heavy Metal Water Pollution." Yu-Hang's primary research interest is in molecular biology. At RU, she is working in Dr. Hide-saburo Hanafusa's viral oncology lab. With Dr. Marius Sudol, she is trying to assign functions to the cellular oncogene, *yes*. In her spare time, Yu-Hang enjoys travel, novels, and poetry.

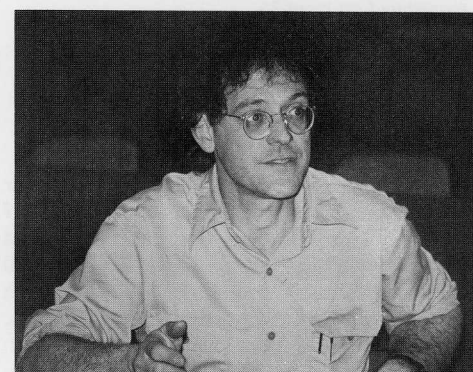
## New Physical Chemistry Course Offered

This spring a revamped physical chemistry course was offered at Rockefeller. The course was organized around invited speakers, each of whom addressed an important problem in cell biology that could be approached using physical chemistry techniques. It was designed to meet in two stages; a discussion group, coordinated by members of the junior faculty, met for two hours on Fridays and a lecture was given on the following Monday.

The idea was conceived by Dr. Sanford Simon, an associate in the Blobel lab, and modeled after the successful cell biology course given by Dr. Günter Blobel. Noting a certain "lack of enthusiasm" for a traditional physical chemistry course, Sandy Simon thought the invited speaker approach was an ideal way for students to "be exposed to the tools and approaches of physical chemistry." In the process, students would also learn to use physical chemistry for formulating questions.

The goal of the course was twofold: to provide a course for students wishing to qualify in physical chemistry and to provide an additional forum for those with common interests in biological problems.

Sandy's concern was to find speakers who would feel passionately enough about their work to inspire the students to want to learn more physical chemistry. By enlisting the aid of Dr. Martin Burschka of the Knight lab, Dr. Bernd Christensen of the Mauzerall lab, and Dr. Sal Triolo of the Kaiser Lab, an impressive list of speakers was compiled.



John Sholtis

Dr. Sol Gruner, who spoke on "Biomembrane Function and the Stability of Lipid Bilayers."

The lectures loosely followed a general format. Half of a speaker's time was spent presenting potential approaches to the analysis of a biological problem and the remainder was devoted to his chosen research approach. The result, according to Sandy Simon, was a "critical evaluation of a field of physical chemistry."

Both the seminars and the lectures were well attended by audiences comprised of faculty, postdoctoral trainees, and students.