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THE ROCKEFELLER UNIVERSITY *news and notes*

Wiesel, Greengard Head New Laboratories

Torsten N. Wiesel, formerly Robert Winthrop Professor and chairman of the neurobiology department at Harvard Medical School, has been appointed a professor at Rockefeller and heads a new laboratory of neurobiology.

Dr. Wiesel's research over the last two decades has significantly shaped the current understanding of how visual information is analyzed by the brain. He and his long-time Harvard associate, David Hubel, were awarded the Nobel Prize in Physiology or Medicine in 1981 for this work.

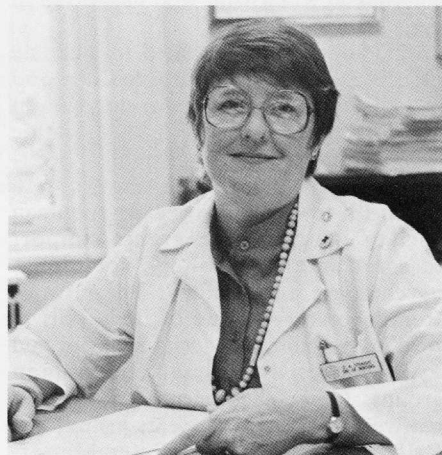
Using cats and monkeys as test subjects, Drs. Wiesel and Hubel succeeded in identifying various functions of cells in the brain's visual cortex. They observed that many cortical cells have a specific "orientation preference," responding to contours of either vertical, horizontal, or oblique orientations. They also found that

information gathered by the two eyes comes together in the visual cortex. Their experiments demonstrated that binocular cells in the cortex respond preferentially to signals from one eye or the other, and that cells with the same eye preference are organized in a series of columns (left- and right-eye columns) that extend across all cortical layers. Similarly, they found that cells with the same orientation preference are aggregated in columnar fashion.

Dr. Wiesel's work has had important clinical implications. In the 1960s and 1970s he and Dr. Hubel demonstrated that normal visual experience is necessary for the full development of visual capabilities. When cats and monkeys were deprived of normal vision during a critical period in the first few months of life, they suffered permanent visual impairment. These experiments have led to more aggressive treatment of children born with

(continued on page 5)

NURSE OF THE YEAR



Elizabeth Straight, director of the nursing service at The Rockefeller University Hospital, was named Outstanding Research Nurse of the Year, the first recipient of what will be an annual award presented by the National Association of Research Nurses and Dietitians. The announcement was made at the association's meeting, held in Keystone, Colorado, September 7-10, at which Miss Straight was also elected treasurer. □

"The Starting Point" Revisited: Shelter Island II

On June 2, 1947, 25 of the world's leading physicists gathered at a small inn on Shelter Island, a rural retreat between Long Island's north and south forks, to hold a three-day conference on quantum mechanics. That meeting is now viewed as "the starting point of a series of remarkable developments in physics that have changed our views of the basic structure of matter and given us a new cosmology."

Among the participants in that landmark event were Hans Bethe, Enrico Fermi, Richard Feynman, Willis Lamb, J. Robert Oppenheimer, Linus Pauling, I.I. Rabi, Julian Schwinger, Edward Teller, John von Neumann, Victor Weisskopf, and John Wheeler. The meeting was organized under the sponsorship of the National Academy of Sciences by the late Duncan MacInness of The Rockefeller University. Also among the conferees were Abraham Pais and George E. Uhlenbeck, who later joined the Rockefeller faculty.

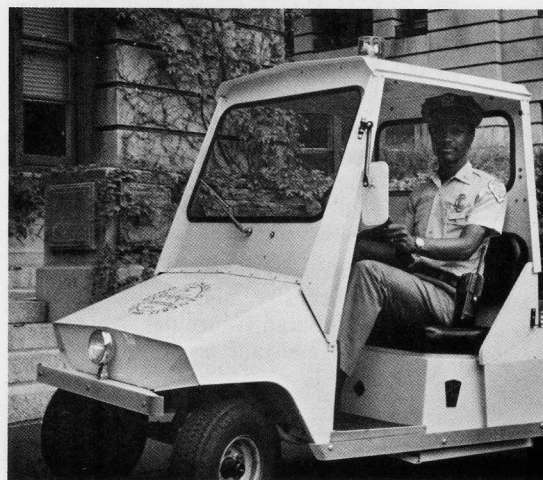
The citation quoted above is on a plaque on the wall of the room in the Ram's Head Inn where the original meeting took place. It was mounted on the occasion of the second Shelter Island Conference, which was held this summer

in the same room, almost 36 years to the day of the first conference.

The 80 participants of Shelter Island II, welcomed by Frederick Seitz, president emeritus of Rockefeller, included Drs. Bethe, Feynman, Lamb, Pauling, Rabi, Weisskopf, and Wheeler, and Herman Feshbach, Robert Marshak, and Robert Serber from the original group.

The idea for the second meeting began with Professor Nicola Khuri, a member of the University's theoretical physics group. "There's no particular significance in the 36th anniversary," says Dr. Khuri. "It was simply that I finally had time to arrange it. Its purpose was threefold: to bring together the living members of the first conference to review for a new generation of physicists the events of that historic occasion, to review the developments in physics since, and to discuss future directions. Today, as in 1947, physics is in a period of intense activity. It's a turning point, and there are many questions about what direction we should be turning toward."

Among the physicists attending from Rockefeller were Kenneth Case, Rodney Cool, Louise Dolan, Bernard Grossman, Burt Ovrut, Heinz Pagels, and Anthony Sanda. □



No, Security Guard Michael John isn't off to a round of golf. He's testing a new security vehicle that will be used for night rounds of the campus and for emergencies around the clock. The rear compartment is to be fitted with a medical kit, fire extinguishers, and emergency tools. Security Director Edward Clarke notes that the cart is silent, clean (it runs on batteries), and can negotiate the labyrinthine tunnels that connect the campus buildings.

Ratliff Elected President of Harry Frank Guggenheim Foundation

Professor Floyd Ratliff has been elected president of the Harry Frank Guggenheim Foundation, an organization which sponsors studies aimed at a deeper understanding of man's relation to man, particularly in regard to problems of violence, aggression, and dominance. He succeeds Professor Donald R. Griffin, who has served in the post since 1979.

The Foundation is named for the late industrialist and ambassador to Cuba who set the Foundation's present direction in 1959, expressing the hope that scientific research might help humanity to determine how dominance develops and how to channel it toward positive ends in human society. Guggenheim grants support research in anthropology, sociology, psychology, and biology. These range from laboratory studies of brain cells to field investigations of social behavior and organization in animal and human groups. Rockefeller scientists who have received grants over the years include Dr. Griffin and Professors Peter Marler, Bruce McEwen, Fernando Nottebohm, and Jonathan Winson. Last January the Foundation presented a seminar for science writers, held at Rockefeller, on recent studies concerning dominance, aggression, and violence, at which Dr. Griffin, a member of the University's animal behavior faculty, discussed what animal behavior can tell us about human aggression.

Dr. Ratliff, who heads a Rockefeller laboratory devoted to studies of neural mechanisms of vision and the brain, will direct the activities of the Foundation in concurrence with his University research, as did Dr. Griffin, who will remain on the Foundation's board of directors. Dr. William O. Baker, chairman of the University's board of trustees, is also a member of the Guggenheim board. □

PROMOTIONS

H. Neal Bramson, Bioorganic Chemistry and Biochemistry, and **Harold T. Gouzoules** and **Sarah Gouzoules**, Animal Behavior, to assistant professor, effective September 1.

CORRECTION

Portia Goodman, the University's eagle-eyed switchboard operator, informs *news and notes* of an error in the last issue in the article about the phone system. The proper code number for canceling call forwarding is 65. The code number 67 cancels automatic call-back. If our misinformation misled you please accept the editors' apologies.

Two Appointed Associate Vice Presidents

Barry W. Dress and R. L. Van Valer have been appointed associate vice presidents. Mr. Dress joined the University's development office in 1975 as a development officer and assistant director and became associate director in 1980. Mr. Van Valer has been director of trust and estate gift plans since 1973. □

Cornell Comes to the Children's School



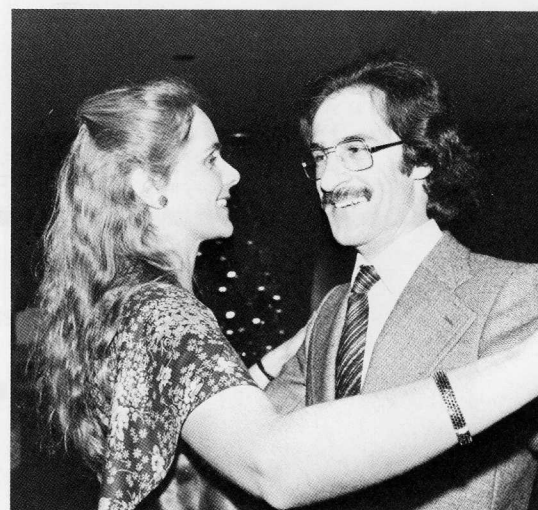
Timothy Lawrence, a student at Cornell University Medical College, at the Rockefeller Children's School.

Not all the learners at The Rockefeller University Children's School these days are children. Some of them are medical students, and what they're studying is the children. They are participants in a program begun last fall by Barbara Adams, educational director of the Children's School, at the suggestion and with the help of Rudolph Leibel, a member of the Rockefeller Hospital research and clinical staff.

As part of the program, the students attend seminars at which Mrs. Adams discusses child development and family dynamics, and each then spends a day at the school observing the children in action and consulting with the educational staff.

"Physicians, like teachers," says Mrs. Adams, "are often looked to for answers to a wide variety of questions concerning child behavior, learning, socialization, and family interaction. During their visits here, the Cornell students have a chance to compare developmental levels in normal kids in such areas as motor and language skills, hand-eye coordination, interaction with their peers, and the like. Our fledgling program is one step in what I hope is a growing trend in medicine toward treating the whole person, not just disease symptoms. The response at Cornell has been very positive." □

Come to the Dance



Matthias Müller and his wife, Elisabeth, at the 1981 dance.

It will be glittering and gala, with good food, an open bar, and music by the Peter Duchin orchestra. Everyone is invited to the University's annual holiday dance, to be held on December 16 on the 17th floor of the Tower. Tickets, at \$15 each, go on sale November 1 at Purchasing and at the Founder's Hall reception desk. □

Alleyne Succeeds Alper



Saluting Carl Alper, third left, at his retirement party on August 31, Joshua Charles, Angel Martinez, William Roldan, Franklin Aubert, James Stiasny, Vincent Alleyne.

Carl Alper, who has been with the purchase and supply service for 16 years, retired as supervisor of shipping and receiving on September 1. He is succeeded by Vincent Alleyne.

Mr. Alper, who was born in Yugoslavia, is a master linguist proficient in English, German, Russian, Rumanian, Hebrew, French, Italian, and Spanish. While at the University, he earned a degree in Romance languages in night classes at Lehman College and was elected to membership in Phi Beta Kappa. In November he and his wife will move to a new home in Margate, Florida.

Mr. Alleyne, who has taken over as supervisor, came to the University in 1973 as a receiving clerk. □

BRIEFS

Professor **Karl Anderson**, Metabolism-Pharmacology, testified in Washington, D.C., on July 12 before the subcommittee on Compensation, Pension and Insurance of the Committee on Veterans' Affairs, House of Representatives, about possible relationships between porphyria cutanea tarda (PCT) and dioxin exposure. The hearing concerned a bill in Congress which would provide compensation in the form of service-connected disability to any Vietnam veteran who develops chloracne, PCT, or soft tissue sarcoma.

Professor **Purnell W. Choppin**, Virology, and vice president, Academic Programs, was elected to membership in the Institute of Medicine, and was also elected, effective July 1983, as chairman of Class IV (Medical Sciences) of the National Academy of Sciences.

Professor **Irving M. Faust**, Human Behavior Metabolism, was the keynote speaker at the First Annual Meeting of the Swedish Society on Obesity, convened September 1 under the auspices of the Karolinska Institute, Stockholm. He spoke on the nature of adipose tissue growth in obesity.

Professor Emeritus **Rollin D. Hotchkiss** was an invited speaker at the Sixth International Protoplast Symposium at Basel, Switzerland, in August. He spoke on genetic expression and recombination in diploid products of *Bacillus* protoplast fusion. He and Dr. Magda Gabor Hotchkiss also took part in a roundtable on problems in bacterial fusion.

Professor **Nicola Khuri**, Theoretical Physics, was an invited lecturer at the NATO Advanced Study Institute in Particles and

Fields, organized by the University of Paris and held July 6-22 in Corsica. He spoke on quantum field theory.

Professor **Sarah Leibowitz**, Physiological Psychology, spoke on the subject of anorexia nervosa in Munich, West Germany on July 9 at a seminar of the World Congress of Psychiatry, sponsored by the Max Planck Institut für Psychiatrie. Her lecture title was "Noradrenergic Function in the Medial Hypothalamus: Potential Relation to Anorexia Nervosa and Bulimia." She also spoke at the Fifth International Catecholamine Symposium held in Göteborg, Sweden, June 12.

Professor **Peter R. Marler**, Animal Behavior, delivered the keynote address at the Sixth Annual Meeting of the American Society of Primatologists, held August 7-10 at Michigan State University. The title of his address was "Monkey Talk: Sense or Sensibility?"

Professor **Joan I. Morrell**, Neurobiology and Behavior, was an invited speaker at the Schmitt Brain-Endocrine Symposium held in Würzburg, West Germany, July 27-29. The title of her talk was "Characterization of Steroid Hormone Concentrating Neurons by their Axonal Projections and Peptide Content." At the 1983 meeting of the Histochemical Society, held in Charleston, South Carolina, Dr. Morrell was elected Councilor of the Society for the term 1983-1987.

Professor **Torsten Wiesel**, Neurobiology, was an invited speaker at the 29th International Congress of the International Union of Physiological Sciences, held in Sydney, Australia, August 28-September 3. His topic was the morphological basis of visual cortical functions.

PERSONALS

Postdoctoral Fellow **David S. Adams**, Cell Biology, and Assistant for Research **Sara Trillo**, Plant Molecular Biology, were married May 7.

Pharmacist **Philip Manning** was married May 7 to Carolyn Di Giaro, a nurse with the neonatal intensive care unit, Beth Israel Medical Center.

Born September 12 to Administrative Dietitian **Caryn Margolis**, Hospital, and

her husband, Jeffrey, twin sons, Benjamin Andrew and Nathaniel Evin, their first children.

Production Assistant **Laura Jane Shore**, Rockefeller University Press, was married May 28 to David Bellamy Hopkins, an attorney.

Born, September 19, to Adjunct **Burton H. Singer** and his wife, Eugenia, a daughter, Sheila, their third child.

Colleagues to Honor Moore

A day of tribute for Professor Stanford Moore, who died August 23, 1982, will be held on Friday, November 4, in Caspary Auditorium. The participants will include seven former members of the biochemistry laboratory led by Dr. Moore and the late William Stein, as well as other former colleagues of Dr. Moore. They will discuss their current research in protein chemistry, the field in which Dr. Moore pioneered for more than 40 years. The proceedings, which will begin at 9:30 A.M., are open to all members of the University community. □

New Graduate Fellows

The University's new students, entering this academic year, include 20 Ph.D. candidates and five biomedical fellows who will earn a Ph.D. from Rockefeller and an M.D. from the Cornell University Medical College.

The new graduate fellows are:
Susan Abmayr, *Carnegie-Mellon University*

Arturo Alvarez-Buylla, *National Autonomous University of Mexico*

Mark Burgoon, *University of Pennsylvania*

C. Graham Clark, *University of Edinburgh*

Stephen Devoto, *Haverford College*
De-Yi Du, *China Medical College*
Shenyang Anindya Dutta, *Christian Medical College*

Vellore Colin Fletcher, *Dartmouth College*

David Greenstein, *University of Pennsylvania*

Hon Ip, *University of Toronto*
Song-Muh Jong, *National Taiwan University*

Hilbert Kappen, *University of Groningen*
Michel Ledizet, *University of Paris*
James McGurk, *Fordham University*
W. Todd Miller, *Brown University*
Constantinos Panagiotakopoulos, *University of Athens*

Gary Romano, *Trinity College*
Hartford Gerald Thomsen, *University of Tampa*

Christopher Young, *University of Natal*
Alejandro Zentella, *Metropolitan Autonomous University Mexico*.

The new biomedical fellows are:
David Campanelli, *Wesleyan University*
Christina Luedke, *Washington University, St. Louis*

Tobe Mann, *Princeton University*

R. Clay Reid, Jr., *Yale University*
Jacques Ya Deau, *Harvard College*. □

DEATHS

Bernard Straus, 71, director emeritus of medicine at Beth Israel Medical Center and a visiting physician at The Rockefeller University Hospital since 1976, July 29.

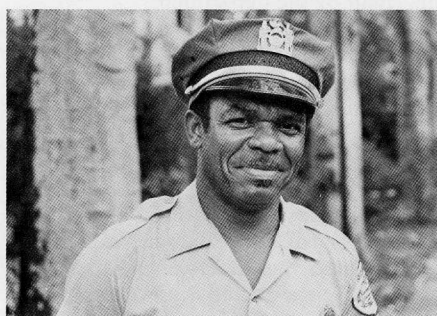
Bacterial Disease Discussed at Council Meeting

A distinguished group of Rockefeller scientists addressed the University Council at its September 20 meeting. Their subject was Bacterial Disease: Public Health Perspectives and Research Opportunities.

The speakers included Professors Maclyn McCarty ("The Changing Face of Bacterial Infections"), Emil Gotschlich ("Gonorrhea—The Molecular Events Early in Infection"), John Zabriskie ("Rheumatic Fever—A Case of Microbial Mimicry"), Vincent Fischetti ("M Protein—Prime Vaccine Candidate"), and Milan S. Blake ("Invasion of the Host's Cells by the Gonococcus").

Twenty-one new members have been appointed to the Council since its last meeting. They are: Mark Edwin Andrews III, president, Amex Oil Company; E. K. den Bakker, chief executive officer, Nationale-Nederlanden N.V., The Netherlands; Thomas Bata, president, Bata Ltd.; Samuel Belzberg, vice chairman, First City Financial Corporation, Canada; Marjorie Craig Benton, chair, Save the Children Foundation; Mark Brandt Dayton, Minneapolis; Phillipe de Flers, financial manager, Compagnie des Salins du Midi, France; Edward L. Hennessy Jr., chairman of the board, Allied Corporation; Everett L. Hollis, senior partner, Mayer, Brown & Platt; John E. Jacob, president, National Urban League; Tom Killefer, former president, U.S. Trust Company of New York; Evelyn Gruss Lipper, M.D., professor, Cornell Medical College; Jacques Loesch, Loesch and Wolter, Luxembourg; W. Barnabas McHenry, attorney; Jane C. Pfeiffer, Greenwich, Connecticut; Robert Pritzker, president, the Marmon Group; Richard Rockefeller, M.D., Falmouth Foreside, Maine; Marshall Rose, president, The Georgetown Group, Inc.; Alfred Joseph Sheperd, chairman and chief executive, The Wellcome Foundation Ltd.; Henry Simon, president, Technicon Corp.; Robert H. Steele, president, Dollar-Dry Dock Savings Bank. □

Jones Promoted



Vivian Jones

Vivian Jones, an 11-year veteran of the University's security service, has been promoted to sergeant. A native of Jamaica, he began his Rockefeller career as a night watchman. In the intervening years his jovial nature and quick smile have become fixtures on campus.

"The promotion is in recognition of Mr. Jones' past performance and his loyalty to the service," said Security Director Edward Clarke. □



It was a long, hot summer. This August was the hottest on record. It was dry, too, with most of the season's rains falling in brief cloudbursts. The University's grounds, so vibrant with azaleas and tulips this spring, browned a bit as parched leaves fell prematurely. Here, Groundskeeper Eugene Tarasco compensates for Mother Nature's oversight on a sizzling September morning.



While everyone perspired, Custodial Supervisor Thomas Mineo and Assistant Supervisor Louis Matos were thinking about blizzards. They moved the University's snow plow out of mothballs for a late-summer tune-up, hoping to steer clear of headaches down the road. The plow was purchased last winter, just in time for February's record two-foot snowfall.

HONORS & AWARDS

Professor Emeritus **Walther F. Goebel**, Biochemistry, has been elected to membership in the Connecticut Academy of Science and Engineering.

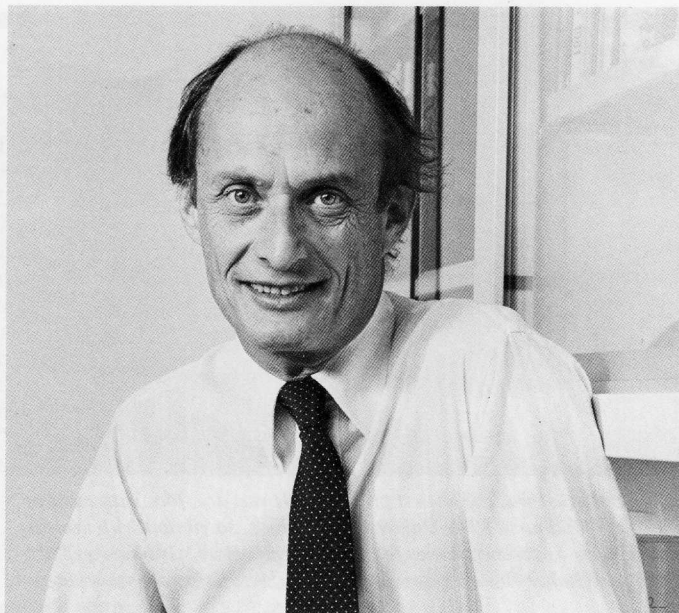
Professor **Peter R. Marler**, Animal Behavior, received an honorary degree from the State University of New York at Purchase on May 21.

Professor **Neal E. Miller**, Physiological Psychology, received the Professional Award for Distinguished Contributions to Knowledge from the American Psychological Association, of which he is a past president. The award, presented on August 29 at the association's annual meeting, held in Anaheim, California, cited Dr. Miller's "research illuminating the laws of learning and motivation, translating work in the animal laboratory into real-life human phenomena." At the meeting Dr. Miller delivered an invited

lecture, "The Value and Ethics of Research on Animals."

Professor **Abraham Pais**, Theoretical Physics, received the 1983 American Institute of Physics-United States Steel Foundation Science-Writing Award in Physics and Astronomy for his book, *Subtle is the Lord... the Science and the Life of Albert Einstein*, to be presented on October 25 at the annual AIP Corporate Associates' dinner in Palo Alto, California.

Professor **Floyd Ratliff**, Biophysics, is the recipient of the 1983 Pisart Vision Award of The Lighthouse, The New York Association for the Blind, presented on September 13 in New York. The award, named for a Lighthouse supporter, is made for noteworthy contributions in the field of vision.



Paul Greengard

Greengard

A new laboratory of molecular and cellular neuroscience has been established under the direction of Paul Greengard, who has been appointed a professor at Rockefeller.

Dr. Greengard comes to Rockefeller from Yale University, where he was Henry Bronson Professor of Pharmacology. Over the past 15 years, his discoveries have provided a conceptual framework for understanding how the nervous system functions at the molecular level.

He has also demonstrated that many effects — both therapeutic and toxic — of several classes of common antipsychotic, hallucinogenic, and antidepressant drugs can be explained in terms of distinct neurochemical actions which affect the transmission of nerve signals in the brain.

One of Dr. Greengard's overall objectives has been to determine the molecular mechanisms involved in the regulation of chemical neurotransmission, the process in which nerve cells (neurons) in the brain communicate by way of chemical substances called neurotransmitters.

His research group and others have established that nerve cells respond to stimulation by nerve impulses (electrical signals) and neurotransmitters (chemical signals) through an increase in the amount of a substance known as intracellular ("second") messenger. Second messengers, in turn, produce many of their actions by regulating the activity of a family of enzymes called protein kinases. A protein kinase attaches a phosphate molecule to a target protein. A phosphorylated protein, through one or more biochemical steps, produces the physiological response characteristic of the neurotransmitter.

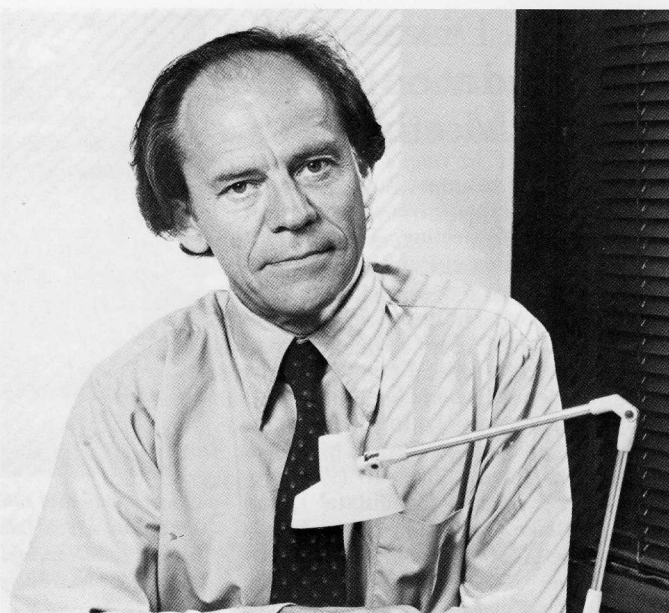
Dr. Greengard's studies of phosphorylated proteins have demonstrated that various subclasses of neurons differ markedly from one another in their chemical composition, and suggest that it will be possible to develop highly specific therapeutic agents for the treatment of various

neurological and psychiatric disorders.

Dr. Greengard was born in New York in 1925. He received an A.B. from Hamilton College in 1948 and a Ph.D. in biophysics from The Johns Hopkins University in 1953. After doing postgraduate work in England and the United States, he served as director of biochemical research at the Geigy Research Laboratories and professor of pharmacology at the Albert Einstein College of Medicine and the Vanderbilt University School of Medicine. He joined the faculty of Yale University in 1968 and was named to the Bronson chair in 1981.

His many awards and honors include the Dickson Prize of the University of Pittsburgh (1977), the First Distinguished Lecturer of the Society of General Physiologists (1977), the CIBA-Geigy Award in Biomedical Research (1979), the New York Academy of Sciences Award in Biological and Medical Sciences (1980), and the Oscar Bodansky Award and Lecture (Memorial Sloan-Kettering Cancer Center, 1982). He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences.

Working with Dr. Greengard are: Assistant Professors Michael Browning, Angus C. Narin, and Ivar S. Walaas; Research Associates Jesse K.-F. Chan, John W. Haycock, Selma D. Kanazir, Eva B. Perdahl, Carmelo Romano, Werner Schiebler, and William C. Wallace; Postdoctoral Fellows Richard L. Huganir, K. Reinhard Jahn, Robert M. Lewis, Robert A. Nichols, Charles C. Ouimet, and Marek R. Treiman; Postdoctoral Associates Steven E. Cala and Andrew J. Czernik; Assistants for Research Lillianne Chan, Atsuko Horiuchi, George Kuzmecz, and Irene Slizys; Laboratory Helper Francisco Matthew; Guest Investigators Katherine A. Albert, Hugh C. Hemmings, Yvonne Yee-Wen Lai, and Teresa L. McGuinness; and Secretaries Jeanne Holcomb and Michelle Mannette. □



Torsten Wiesel

Wiesel

(continued from page 1)

cataracts, many of whom now receive operations shortly after birth.

Dr. Wiesel plans to continue his studies of the functional organization and development of the central visual pathways. Other members of his laboratory are investigating molecular mechanisms responsible for the development and functioning of the visual system, the electrical response to light in vertebrate photoreceptors, and myopia in monkeys.

Dr. Wiesel was born in Upsala, Sweden, in 1924 and received a medical degree from the Karolinska Institute, Stockholm, in 1954. He was an assistant professor at Johns Hopkins Medical School before joining the staff at Harvard Medical School in 1959. He was appointed professor of physiology in 1967 and neurobiology in 1968. In 1978 he was named Robert Winthrop Professor and chairman of the department.

Dr. Wiesel has won the Research to Prevent Blindness Trustees Award (1971), the Rosenstiel Award (1972), the Lashley Award of the American Philosophical Society (1977), Columbia University's Horwitz Prize (1978), the University of Pittsburgh's Dickson Prize (1979), and Harvard University's Ledlie Prize (1980). He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences, and is a Foreign Member of the Royal Society.

Working with Dr. Wiesel are: Assistant Professors Colin Barnstable, Charles Gilbert, and Peter MacLeish; Research Associate Barbara McGuire; Postdoctoral Fellow Kimio Akagawa; Guest Investigator Daniel Ts'o; Visiting Associate Professor Martha Constantine-Paton; Assistants for Research Rebecca Blake, William Louie, Pamela Martin, Patricia Weiss, and Angela D'Orsi; Photographer Eric Hubel; Artist Joyce Powzyk; Programmer Jane Sekulski; and Secretary Anne Marie Scully. □

1983-84 NYU-RU Seminars

The fourth season of the New York University-Rockefeller University Joint Program in Science and the Humanities is underway. The program consists of talks by Rockefeller scientists at NYU and NYU scholars at Rockefeller, in informal noon-time seminars. In addition, a fall and a spring evening lecture will be held in Caspary Auditorium. (See bulletin boards for further information.)

The humanities seminars, open to all members of the Rockefeller community, meet in Room 301, Tower. Coffee is served and participants are welcome to bring bag lunches.

The speakers and topics are: Historian Thomas Bender, *The City and Intellectual Life: Crisis and Reorganization in 19th Century America* (October 5); Sociologist Eliot Freidson, *The Future of the Professions in the United States* (November 2); Art Historian Edward J. Sullivan, *The Golden Age and the New World: Mexican Art and Its European Background* (December 7); Brooks McNamara, Professor of Performance Studies, *Medical Quackery on Stage: The History of the American Medical Show* (February 1); Nicholas Wahl, director of the Institute of French Studies, *Socialism in France* (March 7); James W. Tuttleton, former chairman of the departments of English and Dramatic Literature, *City Literature: States of Mind* (April 4); and Alan Latman, law professor and director of the Derenberg Program for Copyright and Trademark, *Copyright and the New Technology* (May 2).

Rockefeller scientists who will conduct seminars at NYU are: Professors Hao Wang, Logic; Robert Shapley, Biophysics; Fernando Nottebohm, Animal Behavior; Purnell Choppin, Virology; Paul Cranefield, Cardiac Physiology and the History of Medicine and Science; and Bruce McEwen, Neuroendocrinology. Mathematician Charles S. Peskin of NYU will also participate in on the science series, speaking on April 12, on how computers can be used to help design prosthetic heart valves. (The science seminars meet at the Loeb Student Center the second Thursday of each month, beginning October 13.) □

APPOINTMENTS

Eric L. Bittman, Neuroendocrinology, **Cheng-Ming Chuong**, Developmental and Molecular Biology, **Richard A. Galbraith**, Metabolism-Pharmacology, and **Kenneth H. Johnston**, Bacteriology and Immunology, as assistant professors, effective July 1.

Theodore N. Tomaras, Theoretical Physics, as assistant professor, effective September 1.

P.S. 183 STILL NEEDS US

The volunteer science-teaching program at P.S. 183, 419 East 66th Street, has passed the four-year mark and is still going strong. Professor David Gadsby, the program's coordinator, is looking for additional teachers for 5th and 6th grade biology, chemistry, and physics. Each volunteer teaches only a few hours during the school year — the more volunteers, the better the program and the lighter the load. Call Dr. Gadsby on extension 8617.

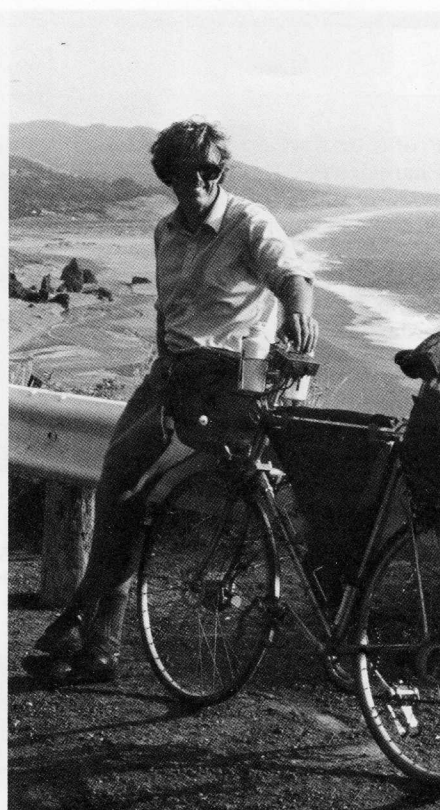
IN PRINT

As part of its series hailing landmark papers of the past, the *Journal of the American Medical Association* for August 19 reprinted "Results of the Transplantation of Blood Vessels, Organs and Limbs" by Alexis Carrel, which first appeared in *JAMA* on November 14, 1908. Carrel, who worked at Rockefeller from 1906 to 1944, was awarded the Nobel Prize in 1912 for his pioneering work in vascular transplantation and arterial suture. He also worked on methods of limb reattachment. In an article accompanying the reprint, Dr. James D. Hardy of the University of Mississippi states: "Had modern transplanters been thoroughly familiar with this 1908 publication, many questions again solved laboriously in the laboratory during the 1940s and 1950s would have been avoided."

Two books by **John Diebold**, a member of the Rockefeller University Council and the founder of The Diebold Group, Inc., a management consulting firm, have been published by AMACOM, the book division of the American Management Associates. *Automation* is a reprint of a 1952 book with an updated introduction by the author. A new book, *The Role of Business in Society*, is a collection of recent talks by Mr. Diebold in the area of management and technology. (An advanced integrated communications facility developed by John Diebold & Associates, a division of The Diebold Group, will be included in the Starr Pavilion, now under construction at The New York Hospital-Cornell Medical Center. The system will transmit images and data to various hospital locations to assist in disease diagnosis.)

Kellys to North Carolina

Rosanne B. Kelly, who has been a secretary in the laboratory of Professor Donald R. Griffin since 1966, and her husband, Eugene Kelly, a purchasing clerk from 1966 to 1980, have asked *news and notes* to let their University friends know that they have moved to a new home in Asheville, North Carolina. □



Retrospective Pleasures

Log another 5,000 miles for Professor Gwyn Ballard, biophysicist-bicyclist. His fourth trek across North America began in Seattle in mid-July. Cycling south, he followed the Pacific Coast to Northern California. His journey east began inauspiciously in the Sacramento Valley, where the temperature was 110 degrees, but he was soon invigorated by the scenery of Zion National Park and the Grand Canyon. The going was hot in the nation's midsection, from the Oklahoma Panhandle to the Mississippi River, but took a turn for the better as he closed in on the Appalachians. Coming through at Cumberland Gap, he pedaled across northern Maryland, which, he says, is reminiscent of his native England. Forty days out of Seattle, he crossed the Hudson on the George Washington Bridge. The pace — 130 miles a day — was grueling.

Dr. Ballard has put 100,000 miles on his custom-made bike, and wryly concedes, "A trip like this can seem a bit grim at times; but it's full of retrospective pleasures."

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