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THE ROCKEFELLER UNIVERSITY

news and notes

Edelman Gives Christmas Lectures

Gerald M. Edelman, Vincent Astor Professor and co-head of the laboratory of developmental and molecular biology, will deliver the 1979 Alfred E. Mirsky Christmas Lectures on Science, the University's 20th annual series of lectures for high school students. His topic is Immunology and Development: Selective Molecular Recognition.

He will present his subject in four parts, two lectures on the two afternoons of December 26 and 27. They are titled The Immune Phenomenon, Clonal Selection, Antibody Structure: Proteins and Genes, and Immunology in Molecular Studies of Development. In them, he will summarize what science has learned about the main principles of immunology, how the body distinguishes between "self" and "non-self," and what the immune response tells us about gene expression systems in embryology and neurobiology. Dr. Edelman's particular interest is the evolution of selective recognition systems that function adaptively during the lifetime of individuals.

Dr. Edelman came to The Rockefeller in 1957 as a graduate fellow and assistant physician in the Hospital. He received his Ph.D. in 1960, served as assistant dean and assistant professor, associate dean and associate professor and was named professor in 1966. Three years later, he announced that his group had deciphered the complete amino acid sequence and internal structure of gamma globulin, the key molecule of immunity. For this achievement he was awarded a Nobel Prize in 1972.

The Alfred E. Mirsky Christmas Lectures are named for the late Rockefeller cell biologist who founded the series in 1959.

HONORS & AWARDS

Professor **James Glimm** will be co-recipient with Professor Arthur M. Jaffee of Harvard of the \$5,000 Dannie Heineman Prize for Mathematical Physics for 1980, presented by The American Physical Society and the American Institute of Physics at the society's annual meeting on January 22.

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University Adopts Dental Plan

At the November meeting, the board of trustees approved a proposal by President Lederberg to adopt a dental plan. "I am happy to announce," President Lederberg states, "that under this new plan all members of the Rockefeller community covered by the University's health insurance will now have dental coverage at no additional cost, effective January 1."

The range of services include:

*80% coverage of diagnostic and preventative services such as regular checkups, X-rays, etc., with no initial deductible.

*50% coverage for amalgam fillings, with no deductible.

*50% coverage of other restorative services, oral surgery, periodontics, prosthetic devices, and general anesthesia, with a \$25 annual deductible of three per family.

In order to benefit from this plan, pick up a claim form in the Personnel Office *before* you go to the dentist, even for a routine checkup. At that time, Personnel will explain the applicable procedure.

Booklets are being prepared and will be distributed within the coming month.

"Conserve and Enhance"

In his first Report of the President, published in November, Joshua Lederberg observes that his initial year in office "remarkably confirmed my optimistic expectations about the University. My greatest surprise was to have experienced so few surprises about the kind of place it is and the kind of people who work here."

He credits the Rockefeller's laboratory-centered system with providing "maximum incentive for the carefully selected and highly gifted individuals gathered here to relate to their fellow scientists across many different specialties of knowledge and styles of critical thinking."

"This truly collegial concept," as he calls it "bears directly on our style of recruitment, on career advancement plans, on the identification of areas selected for emphasis in research, and on almost every other aspect of day-to-day life at the University."

Looking ahead, he asserts that his primary task will be "to conserve and enhance the most vital tradition of biomedical research to be found anywhere today."

Dr. Lederberg states: "Our motto, *pro bono humani generis*, has its most direct application in the discovery of health-saving, death-combating knowledge." The University

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Every December, some of Santa's helpers come to our labs and offices with calendars for the new year bearing the message, "Greetings from the Children's School." Each has a beautiful design, like the one below, created by the students. Thank you, Children's School.



Dr. Glimm and Dr. Jaffe are also sharing the \$1,500 New York Academy of Sciences Award in Physical and Mathematical Sciences, presented at the academy's 162nd Annual Meeting on December 6.

Professor **Bruce Merrifield**, Biochemistry, received the second Alan E. Pierce Award at the Sixth American Peptide Symposium held at Georgetown University, Washington D. C., in June. The award, established by the Pierce Chemical Company in honor of its founder, carries a \$2,000 grant. Dr. Merrifield delivered the award lecture on Solid Phase Peptide Synthesis.

President Lederberg has been elected an Honorary Life Member by the Board of Governors of The New York Academy of Sciences, celebrated at the academy's annual dinner on December 6. He also received the Distinguished Citizen-Scholar for Science

Award of the Centers for Interaction at Baylor College of Medicine, Texas Medical Center, on September 20 and delivered a talk titled "Is Medicine Effective/Efficient?" at a luncheon at which he and Rockefeller Board Chairman **Patrick E. Haggerty** were the guests of honor.

Professor **Neal E. Miller**, Physiological Psychology, received an honorary doctor of science degree from La Salle College, Philadelphia, presented on October 21 at the college's annual Fall Honors Convocation.

Adjunct Professor **Richard M. Krause**, director of the National Institute of Allergy and Infectious Diseases, and Adjunct Professor **Theodore Cooper**, dean of Cornell University Medical College, received honorary doctor of science degrees from the University of Rochester School of Medicine and Dentistry on September 19.

Beyond the Lab

Among the organisms studied in the parasitology laboratory of Professor William Trager are a number responsible for devastating diseases, primarily in tropical and underdeveloped areas of the world.

The laboratory's research has been the

Dr. Trager, center, holding lab conference in Shanghai. Foreground left, Dr. Chang.



source of important findings, one of the most significant being the first continuous test tube cultivation of a human malaria parasite, a requisite step toward the development of a vaccine.

In addition, and very importantly, the members of the lab regularly teach at laboratories in the countries where these diseases are rampant. This past summer, for example, Dr. Trager gave two courses on the Biology and Cultivation of Malaria Parasites. The first, in which he was assisted by Professor Leonard W. Scheibel and Assistant for Research Marika Tershakovec, was given in June in Panama City at the Gorgas Memorial Laboratory, under the joint sponsorship of the World Health Organization (WHO) and the Pan American Health Organization. The second was held from August 20 to September 14 at the Shanghai Institute of Parasitic Diseases under the auspices of WHO and the Ministry of Health of the People's Republic of China.

In China, Dr. Trager was assisted by Professor Kwang-Poo Chang, who spent an additional three weeks in Beijing in collaborative work on leishmaniasis, a widespread disease caused by parasites carried by sandflies.

MARATHON MEN

The Rockefeller marathon men—Mike McCune, Dan Rifkin, Greg Snow, Wes Van Voorhis, Steve Wolff, and Sam Koide of the Population Council—thank all their loyal fans who cheered them along First Avenue on October 21, New York Marathon day. It should be noted, too, that Jonathan Rothbard completed the Chicago marathon. For those who have been living on the moon and may not know, a marathon is 26 miles, 385 yards.

At the finish line, left to right, McCune, Van Voorhis (back to camera), Snow.



Many Report at Neurosciences Meeting

Professor Donald R. Griffin gave one of the major invited lectures at the Ninth Annual Meeting of the Society for Neuroscience, held in Atlanta, Georgia, November 2-6. He spoke on Responsiveness and Awareness of Animals. He also served as chairman of a symposium on Communication, Animal Cognition, and Language at which Professor Peter R. Marler spoke on Signals and Symbols in Birds and Monkeys. Rockefeller Alumnus James L. Gould, now at Princeton University, reported on his research on bee language, and Professor Barry W. Peterson was chairman of a section on Vestibular Function. In all, 21 papers were presented representing the work of over 40 University scientists.

AAAS Meeting

Professor Abraham Pais, Theoretical Physics, will deliver a major public lecture at the annual meeting of the American Association for the Advancement of Science, January 3-8, in San Francisco. His subject is Reflections on Einstein's World. Executive Vice-President Rodney W. Nichols will participate in a symposium on Assessing the U. N. Conference on Science and Technology for Development.

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city's responsibility, therefore, is to continue to "maintain an institutional structure that as a whole will make the most effective contribution to both the underlying sciences and their applied fruits."

He expresses eagerness to see the University vigorously forging ahead with research related to those still elusive diseases, such as cancer, heart disease, mental illness, and various genetic and metabolic disorders that, to be understood, will require the most detailed unraveling of the complexities of the human organism. The pursuit of such understanding, in his view, will undoubtedly mean greater involvement by scientists in social and political concerns and policy decisions.

Dr. Lederberg reaffirms both the central role of clinical research in the University's Hospital and of the University's traditional commitment to postdoctoral training. He looks back on a quarter century of the University's "experiment" in doctoral education to find it has more than fulfilled its promise. He looks forward to an increasing number of cooperative programs with neighboring institutions.

The second half of the report summarizes the University's financial status and includes detailed information on revenue sources, expenditures, and long range plans to increase the University's base of private support. The report includes a listing of individuals and organizations who have given their support to the development program, which has a \$150 million goal for the next decade.

What's Cooking at the Hospital

Because the Rockefeller Hospital is small and because its patients feel themselves to be active participants in studies that contribute to a better understanding of the illnesses from which they suffer, the atmosphere is intimate and familial. Patients and staff know one another as individuals, and treatment, both medical and personal, is highly individualized.

This quality is always important, whether a patient's stay lasts a few days or several months, but it has special meaning at holiday time. Fortunately, most of the patients are able to go home for the festivities. For those who cannot, the Hospital makes an even greater effort to be a substitute home. This year, in addition to the pre-holiday parties, the ten remaining patients and the staff on duty gathered for communal holiday dinners in the patients' lounge. There were centerpieces designed by the patients and on Thanksgiving Cook Katie Bell carved the turkey—for those who were allowed to eat it. "For people on restricted diets," says Anne Brown, director of dietetics, "we have to hope the spirit of the holidays substitutes somewhat for the food of the holidays."

Mrs. Brown runs a service where, at any time of the year, she and her staff are preparing a wide variety of different foods for resident patients ranging in number from about 20 to 30, and for ten outpatients on special-diet studies. For those not on a restricted regime a varied daily menu is offered, but patients are free to request substitutions. On one typical day, dinner orders included six patients on liquid formula, two on a rotating turkey-veal diet, one on a pureed diet, and there were special orders for sandwiches, fish, steak, and lamb chops. Three patients actually ordered the planned meal—beef and peppers—one of which had to be salt-free. There were potatoes fixed four different

ways, six different vegetables, two soups, and seven assorted desserts.

Mrs. Brown plans the menus and supervises the food preparation with the help of dietitians Caryn Goldsamt and Marcia Welch. Mrs. Brown and Miss Goldsamt visit the patients each day to discuss menus and Miss Welch takes care of scheduling and ordering. Working with them are two cooks, Mrs. Bell, who has been with the Hospital for 12 years, and Lougene Stallings; Dietary Aides Dorothy Barrett, Veronica Barrow, Martha Bodden, Vilma Henry, Lora Roberts, Petty Sutherland, and Yvonne Wint; and Kitchen Porters Newman Duhaney, Efrain Pagan, and Charney Rattigan.

A graduate in nutrition from the University of Vermont with a master's degree from Kansas State University, Mrs. Brown did her internship at Yale-New Haven Hospital and subsequently worked at Children's Hospital in Boston, the Harvard School of Public Health, Long Island College Hospital, and Albert Einstein Hospital before coming to Rockefeller in 1978. She has published two papers on diet and diabetes in *Annals of Internal Medicine* and *Diabetes*.

"I love the flexibility here," she says, "and the rapport that's sometimes missing in a big hospital with frequent turnover. There was a real feeling of personal pride on everyone's part after the recent inspection of the Hospital's dietary facilities by the Joint Commission on Accreditation. They found no deficiencies and made no recommendations."

"There's a feeling of caring for the patients. If one of them has a yen for something we can't get from our regular suppliers, we'll arrange to get it from a local shop. We had some youngsters on sodium-restricted diets. They wanted pizza. So we made salt-free pizza. It wasn't bad, either."



Archive Activities

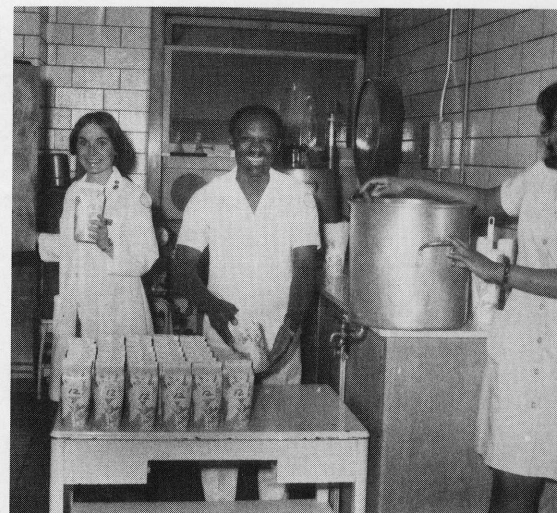
A new guide, *Archives and Manuscripts in the Rockefeller Archive Center*, has just been published. It catalogs materials of the participating organizations, including the University, The Rockefeller Foundation, the Rockefeller Brothers Fund, and other Rockefeller family organizations as well as papers of individuals affiliated with Rockefeller enterprises. These records are available to interested scholars. Copies of the guide may be obtained by calling Archivist Ruth Sternfeld in the University Library, extension 1554.

Also, the 1913–1940 project and research files of the Bureau of Social Hygiene, housed in the Center, have been published on microfilm by Scholarly Resources Inc. The bureau was founded by John D. Rockefeller, Jr., to sponsor research and education on problems of social conditions.

In October, the Rockefeller Archive Center was the site of the Second Annual Conference on American Economic Enterprise, which it sponsored in collaboration with Sleepy Hollow Restorations and Fordham University. Center Director Joseph W. Ernst served as host.



Katie Bell, left, and Anne Brown.



Preparing special-diet formula, left to right, Marcia Welch, Charney Rattigan, Yvonne Wint.

From left, Katie Bell, Anne Brown, Lougene Stallings (and turkey), Petty Sutherland, Martha Bodden, Vilma Henry (leaning), Efrain Pagan, Dorothy Barrett, Veronica Barrow, Lora Roberts, Caryn Goldsamt, Newman Duhaney.



At Stanton Griffis Lecture in November. From left, Erwin Chargaff, June Goodfield, Harper's Editor Lewis Lapham, Trustee Alexander Bearn. Next speaker: Physician-Writer-Actor Jonathan Miller, January 28, 5 P.M., Uris Auditorium, Cornell University Medical College.

APPOINTMENTS

Lois Javanovic, assistant professor, Cornell University Medical College, as an adjunct in the medical biochemistry laboratory of Professor Anthony Cerami, effective July 1.

Cheryl Harding, assistant professor, Hunter College, as an adjunct in the animal behavior laboratory of Professor Fernando Nottebohm, effective August 1.

John A. Paton, Animal Behavior, as assistant professor, effective September 1.

Robert K. Merton, University professor emeritus and Special Service Professor, Columbia University; **Hibbard E. Williams**, physician-in-chief, New York Hospital and professor of medicine, Cornell University Medical College; and **Harriet Zuckerman**, chairman, department of sociology, Columbia University; as members of the adjunct faculty, effective September 1.

June Goodfield, as senior research associate, effective October 1.

Glynn Wilson, Biosciences Division, Unilever Research, Colworth Laboratory, England, as an adjunct in the biochemistry laboratory of Professor Stanford Moore, effective November 1.

BRIEFS

Professor **Purnell W. Choppin**, Virology, delivered the third Kinyoun Lecture, sponsored by The National Institute of Allergy and Infectious Diseases, on October 9, in Washington, D. C. The Kinyoun Lecture, established by Adjunct Professor **Richard M. Krause**, director of NIAID, honors Dr. Joseph J. Kinyoun who started a small Laboratory of Hygiene at the Marine Hospital on Staten Island that evolved into the National Institutes of Health.

Professor **Heinz Pagels**, Theoretical Physics, was announced president-elect of the New York Academy of Sciences at the

academy's annual meeting on December 7.

Professor **Anthony Cerami**, Medical Biochemistry, participated in a briefing session for science writers on Diabetes Research: Facts and Future Directions, sponsored by the Juvenile Diabetes Foundation and held December 6 at the University.

Miller to Princeton

Professor George A. Miller, Experimental Psychology, has left the University to become professor of psychology at Princeton University. He will remain on the Rockefeller faculty as an adjunct.

MOLLY McINTYRE DIES

Molly McIntyre, 65, died on October 27. Mrs. McIntyre joined The Rockefeller as a lunchroom waitress in 1949, was a helper in Media from 1953 to 1955, and then a helper in the laboratory of Professor Maclyn McCarty until her retirement in 1977.

Suggestions Welcome for Handbook

The Rockefeller University Press is planning a revised edition of the Faculty and Student Handbook, to come out this spring. If you have suggestions for items that should be included or that need revising as they now appear, please call or write Pamela Scallan, who is serving as handbook editor, Box 291, extension 1217.

PROMOTIONS

Edward B. Ziff, Molecular Cell Biology, to associate professor, effective October 1.

Dorothy Seyfarth and **Robert Seyfarth**, Animal Behavior, to assistant professors, effective October 1.

A Party and Scroll for E. G. D. Cohen

The officers of the Faculty and Students Club honored their outgoing president, E. G. D. Cohen, with a party on October 27 and a scroll acknowledging their "grateful recognition that, though professionally questing for the absolute zero of temperature, he generated in the Club infinite warmth. . . ."

Maclyn McCarty became the club's new president for a five-year term that began on October 31. The other officers are Rodney Cool, vice-president, James J. Stewart, secretary-treasurer, Kathy Clark, assistant-secretary, and Richard Dana, assistant-treasurer. Board members are Drs. Cohen, Cool, and McCarty, Bruce Cunningham, Elaine Diacumakos, Allan Goldberg, T. P. King, David Lyons, and Wesley Van Voorhis.

IN PRINT

Seventeen papers presented at a symposium held at the University in 1978 in honor of **David P. C. Lloyd** and **Rafael Lorente de Nó** have been published under the title *Integration In the Nervous System* (Igaku-Shoin, Tokyo-New York), edited by Professors **Hiroshi Asanuma** and **Victor J. Wilson**. Drs. Lloyd and Lorente de Nó, both leading figures in neurophysiology, spent many years at The Rockefeller. The book is divided into sections on the spinal cord, the vestibular system, and cortical and subcortical integration.

A new book by Senior Research Associate **Peter H. Sellers**, *Combinatorial Complexes: A Mathematical Theory of Algorithms*, has been published by D. Reidel Publishing Company, as the second in a series, Mathematics and Its Applications.

JORDI FOLCH-PI DIES

Jordi Folch-Pi, a pioneering authority on the structural chemistry of the brain who spent his early research years at the Rockefeller Hospital, died on October 3 at the age of 68. At the time of his death, he was professor emeritus of neurochemistry at Harvard. He worked at the Rockefeller from 1936 to 1944, mainly with Donald D. Van Slyke, where his work on the lipids of the blood led him to his later interest in brain lipids and other brain chemistry.

JOHN TRAPHAGEN DIES

John C. Traphagen, Rockefeller trustee emeritus and retired president and chairman of the Bank of New York, died on October 2 at the age of 90. Mr. Traphagen served on the Rockefeller board from 1936 to 1964.

