

11-1971

NEWS AND NOTES 1971, VOL.3, NO.2

The Rockefeller University

Follow this and additional works at: http://digitalcommons.rockefeller.edu/news_and_notes_1971

Recommended Citation

The Rockefeller University, "NEWS AND NOTES 1971, VOL.3, NO.2" (1971). *News and Notes 1971*. Book 8.
http://digitalcommons.rockefeller.edu/news_and_notes_1971/8

This Book is brought to you for free and open access by the The Rockefeller University News and Notes at Digital Commons @ RU. It has been accepted for inclusion in News and Notes 1971 by an authorized administrator of Digital Commons @ RU. For more information, please contact mcsweej@mail.rockefeller.edu.

Plan Field Laboratory

The University announced on September 30 that it has arranged for the purchase of 750 acres of undisturbed nature in Millbrook, New York, a 90 minute drive from the Rockefeller campus, for use as a field laboratory for research in animal behavior and ecology. The Dutchess County facility will be under the supervision of Professor Peter Marler and Associate Professor Fernando Nottebohm, both of whom have done wide-ranging work on animal communication and social behavior in birds and primates. Professor Donald Griffin, who played a key role in developing the University's plans, will also participate in some studies at the field site.

The establishment of the field center was made possible by a grant of \$550,000 from a trust set up by the late Mary Flagler Cary. Mrs. Cary, who died in 1967, was the granddaughter of the Florida developer and oil industrialist, Henry M. Flagler. The acreage is being purchased for \$300,000 from the Innisfree Foundation, a private, nonprofit organization. The foundation will retain 250 of the original 1,000 acres. The remaining \$250,000 of the grant will be used to launch the University's environmental studies research program.

One of the principles of the program will be to leave the natural environment undisturbed and study animals in their native habitat. In the past, University researchers have had to journey to various parts of the world to find undisturbed natural conditions. The Millbrook property, which includes a lake, will be particularly useful for investigations of bird communication, breeding behavior, and social activities. It will also offer a good contrast to conditions in tropical environments which University scientists have studied extensively. In the future, the University plans to add a senior ecologist to the program. Dr. Griffin chairs a faculty committee which is evaluating future directions of the University's work and considering candidates for new faculty.

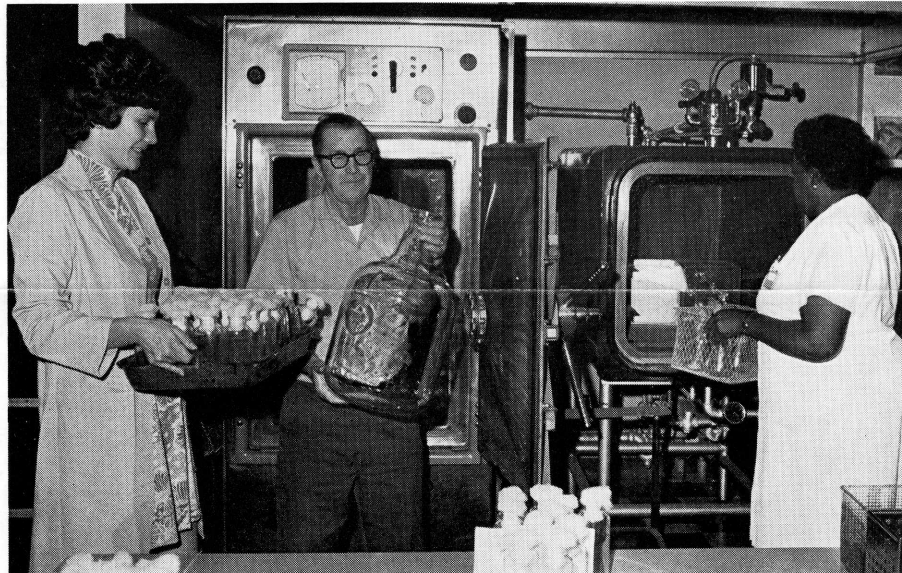
University Receives \$2.5 Million Grant to Support Research in Cell Biology

The Andrew L. Mellon Foundation has made a grant to the University of \$2.5 million to support research in cell biology. The award was announced September 15 by Charles Hamilton, president of the foundation. The University's proposal, submitted by President Seitz, was developed by the heads of several laboratories working in research fields related to cell biology.

Complete details as to how the funds will be used have not yet been worked out. In general, they will be used over a period of several years to cover such expenditures as the salaries of a few nontenured faculty and the

purchase of supplies and research equipment, including major pieces from time to time. President Seitz hopes to obtain additional resources in the next several years to complete the University's plans for increased support of research in cellular and molecular biology.

The Mellon grant will make it possible to start the University Fellows Program as part of the overall development plan. The program is designed for gifted young investigators who have completed their basic training and who merit unusual support in independent research.

Media and Glassware Meets Growing Needs

Bonnie Ann Lobue (left) with William Wineland and Pauline Waison; sterilizing equipment in background.

Bonnie Ann LoBue, supervisor of the Culture Media and Glassware Service, is happiest when she's rearranging, redesigning, and reorganizing. At the moment, she's very happy. As the first step in what she hopes will be a complete face lifting for the service's facilities,

she was able to replace some cast-iron antiques she's been keeping together with elbow grease and prayers with gleaming new stainless-steel machines, several of which feature innovations of her own design.

The glassware half of her service,

which involves the washing, wrapping, and sterilizing of some three-quarters of a million pieces a year, can now handle twice that capacity in far less time—a fact she's eager to advertise around the campus. Also, in response to an obviously growing need, she recently started a service for emptying and washing radioactive scintillation vials. She and Dr. Morton Printz designed an apparatus to draw off the liquid and prewash the vials. She's having trays of her own design made so that the vials can be picked up in the lab containers, 100 at a time, saving 99 hand operations. (In the past, radioactive containers were thrown away after one use.) She also designed a sink with runners that move trays of glassware automatically from sink to washer.

In the media kitchen, she supervises the cooking, filtering, and sterilizing of 100 pounds of beef hearts each week as well as the preparation of other media specified by the various labs.

The department is spread over four large rooms, the kitchen, the sterilizing area, the wash room, and the wrapping room, on the A floor of Flexner. Mrs. Carmen Armenteros takes charge of the wrapping room with the help of Mrs. Ellonia Simpkins and Mrs. Alberta James. Miss Pauline Waison prepares the media and does the steam sterilizing, and David Jones and William Wineland are responsible for the wash room.

Bonnie Ann LoBue majored in biology but nothing in her college courses prepared her for tinkering with heavy machinery. In her four years in Media and Glassware she's had to learn how to roll up her sleeves and poke around, all the while thinking about how things might work better. Being an organizer by nature, she pitched in when her neighbors in the laundry were devising new procedures awhile back. She helped William Hertwig, the laundry's supervisor, set up the linen room, and she became so involved she's now on the executive committee of the Metropolitan Institutional Laundry Managers Association helping to write a handbook on accounts and budgets for use in their courses. At home in Leonia, New Jersey, where she lives with her mother and brother, she's a volunteer ambulance attendant and an alternate delegate to the civic conference.

Considering her interests, energy, and know-how, it's not surprising that Miss LoBue gets a bit exercised when salesmen of scientific equipment can't believe that that "pretty young thing" is the boss. They soon learn.

New Trustee Elected



Mrs. Marian S. Heiskell, director of special activities for the *New York Times* and a member of the board of directors of the New York Times Company, has been elected a trustee of The Rockefeller University.

Among the other posts she holds are cochairman of the Mayor's Council on the Environment, director of the Inter American Press Association, member of the Advisory Council of National Parks, Historic Sites, Buildings and Monuments, trustee and vice president of the Community Service Society of New York City, and member of the board of trustees of Consolidated Edison Company of New York, Inc.

Her husband, Andrew Heiskell, is chairman of the board of Time, Inc. She is the daughter of the late Arthur Hays Sulzberger, publisher of the *Times* from 1935 to 1961.

PERSONAL MENTION

Veronica Whitman, a maid in food services at the Hospital, was married June 12 to Hollis Barrow, a mechanic.

Neil Hartman, a graduate fellow, was married July 3 to Silvia Paz of Buenos Aires, a graduate student in music theory at Queens College.

Susan Bundschuh, personnel assistant, was married July 10 to John Kevin Davidson, a media analyst in the marketing division of General Foods Corporation.

Adelaide Glasson, secretary to Dr. Bruce Merrifield, was married July 17 to Frank Acquaviva, a steamfitter.

Mrs. **Rose Morreale**, a helper in the laboratory of Dr. Christian de Duve, became a grandmother for the first time on July 19 when her daughter, Lee Ann Sahm, gave birth to a son, Robert Christian.

Launch Lecture Series

Science and the Evolution of Public Policy is the theme of a lecture series launched October 18 in Caspary Auditorium. The opening speaker was Dr. Caryl Haskins, former president of the Carnegie Institution of Washington, who spoke on Science and Social Purpose. On October 19, Dr. William McElroy, director of the National Science Foundation, lectured on The Utility of Science.

The objective of the series, organized by Dr. James A. Shannon, special assistant to President Seitz and professor of biomedical sciences, is to explore and stimulate discussion of the complex interactions of science and society and the political procedures by which these interactions are translated into national priorities. It was made possible by grants to the University from the National Science Foundation and The Commonwealth Fund.

The series is divided into two parts, each consisting of six lectures. The first part focuses on the purpose and utility of science in terms of the general philosophies involved. The second examines some of the large areas of science in a case-study fashion. The next speaker will be Sir Harold Himsforth of London, who will lecture November 3 on Organization and Growth of Scientific Knowledge. The other lectures in part one—on November 10, December 8 and 9—will be given by Dr. Robert S. Morison of Cornell University, Dr. Walter A. Rosenblith of the Massachusetts Institute of Technology, and Dr. Ivan L. Bennett, Jr. of the New York University Medical Center.

Clara Ann Wetzel, an assistant for research in the laboratory of Dr. Maclyn McCarty, was married August 14 to Gerhard Allen Eastby, a doctoral candidate in English history at New York University.

Sheila Tegner McAteer, an assistant for research in the laboratory of Dr. Carl Pfaffmann, was married September 11 to Francis Joseph Stokes III, an executive with the Model Cities Administration.

Born, September 24, to **Dr. Albert Gold**, special assistant to the president, and his wife, Martina, a son, Anthony Charles, their first child.

Mrs. **Catherine McConnon**, a helper in the laboratory of Dr. Sam Granick, retired on October 1 after 20 years with the University.

Edelman to Give Darwin Centennial Lectures

In commemoration of the publication of *The Descent of Man* 100 years ago, the University is presenting The Darwin Centennial Lectures, six talks by Professor Gerald M. Edelman on The Molecular Biology of the Immune Response.

Dr. Edelman works on the frontier of molecular immunology, a discipline which, in the past decade, has clarified a number of significant biological problems: How does an organism distinguish self from not-self? How does the immune system recognize the various molecular structures of different antigens? Did the system evolve for surveillance against cancer as well as for defense against invasion by foreign

organisms?

In his lectures, which will be held in Caspary Auditorium at 4 P.M., Dr. Edelman will attempt to relate some of the major theoretical and experimental developments in modern immunology.

The schedule is: Antibodies, Immunity, and Molecular Recognition, November 22; The Theory of Clonal Selection, November 24; The Structure of Antibodies, November 29; Genetics and the Origin of Antibody Diversity, December 1; Cell-Cell Interaction: Immune Stimulation, Tolerance and Control, December 6; Some Prospects of Molecular Immunology, December 7.

BRIEFS

Professor **Gerald M. Edelman**, Biochemistry, was elected to the board of governors of The Weizmann Institute of Science in Rehovot, Israel on July 6.

Professor **Carl Pfaffmann**, Physiological Psychology, and two members of his lab, Assistant Professor **Robert J. O'Connell** and Research Associate **Marion Frank**, all presented papers at the Fourth International Symposium on Olfaction and Taste, held August 2-4 in Starnberg, Germany. Dr. Pfaffmann also chaired a session on Taste Coding.



Georgina M. Drew, superintendent of the Hospital, said farewell to friends and fellow workers after 42 years of service to Rockefeller University. Seen here with her at a tea in her honor, given on September 28, is Dr. Maclyn McCarty, vice president of the University and physician-in-chief.

Professor **William Trager**, Parasitology, was one of an international group of participants invited to a Symposium on Parasite Biochemistry arranged by the Janssen Pharmaceutica in Beerse, Belgium, September 1-3. He presented a paper and summarized the proceedings of the symposium. Dr. Trager also was one of three United States representatives at a meeting of the Commission on Protozoology of the International Union of Biological Sciences held at Clermont-Ferrand, France, September 9-11. The meeting was called to plan the Fourth International Congress on Protozoology, which will be held in Clermont-Ferrand in 1973.

Dr. Alexander Mauro, Biophysics, was promoted from the rank of associate professor to professor on October 1.

Professor **Merrill W. Chase**, Immunology and Microbiology, delivered the Howard Fox Lecture at New York University Medical Center on October 13, as part of a three day symposium on Allergic Eczematous Contact Sensitization, sponsored by the center's department of dermatology. Dr. Chase spoke on The Mechanism of Contact Allergy and the Concept of Peripheral Sensitization. On September 22, Dr. Chase was elected to honorary membership in the New York Allergy Society by the executive committee.

Professor **Peter Marler**, Animal Behavior, will participate this month in the national lectureship program of Sigma Xi and the Scientific Research Society of America. His subject will be Vocalization of Wild Chimpanzees. Dates and stops on his midwest tour

A Bird in the Books (*Dendrocopos villosus*)

The University Library, it seems, is a haven for more species of wildlife than just simple bookworms. A call from Assistant Librarian Daphne Morse on the afternoon of October 5 apprised *news and notes* of the presence of a young female hairy woodpecker, identified by Theodore Bella, microanalyst and bird watcher. While our photographers snapped, the bird alternately buzzed the ceiling and pecked at the chandelier chains, but when she lighted



on the library's carved woodwork, Miss Morse was compelled to do some hasty shooing.

Other visitors in the past, Miss Morse says, have included a number of grackles, starlings, pigeons, of course, and, last summer, a bat. Mostly they find their way out again, as our woodpecker finally did. The library staff solicitously lower the blinds on all but one window which is left open as a bright beacon of freedom. The bat, however, succumbing to its nocturnal nature, fell asleep on a shelf and had to be netted and released with the help of Dr. Griffin's animal behavior lab.

CONCERT NIGHT DINNERS

Wednesday night concertgoers at Rockefeller (and non-concertgoers, too) can enjoy dinner in Abby Hall served from 6 P.M. to 8 P.M. (Concerts start promptly at 8.) Reservations should be made before noon on the preceding Monday by calling 360-1257. The price is \$5 per person. Student scrip is acceptable and diners may bring their own wine.

include November 15, St. Cloud State College, Minnesota; 16, Iowa State University, Ames; 17, Central Missouri State College, Warrenburg; and 18, St. Louis University, Missouri.



Carmichael Appointed

Ray F. Carmichael, a veteran of 25 years in college fund raising and administration, has been appointed to the newly created post of director of development for the University. In this capacity he will work with Rodney W. Nichols, special assistant to the president and director of program planning and development. Mr. Nichols will continue to be responsible for overall coordination of the University's long-range planning and development activities, while Mr. Carmichael will focus on assisting the board of trustees' development committee, chaired by C. W. Cook.

Since 1965, Mr. Carmichael has been vice president for college relations and development at Manhattan College in the Bronx. From 1957 to 1965, he was the college's executive director of development. A native of Providence, Mr. Carmichael had previously been director of public relations at Rhode Island School of Design, where he served for 10 years in a variety of positions on both the instructional and administrative staffs. He was graduated from Brown University in 1948.

Series Features Egypt

The Heritage of Ancient Egypt, a series of recorded slide presentations, will be shown in 17 half-hour sessions at 12 noon in Caspary Auditorium on the following dates: October 28; November 1, 4, 8, 10, 15, 17, 22, 24, 30; December 2, 6, 9, 14, 16, 20, and 21.

The series was written and is narrated by Australian artist Bruce Hungerford, who studied under the late William C. Hayes, curator of Egyptian art at the Metropolitan Museum of Art in New York. Hungerford took more than 1,100 slides during five research trips to Egypt as well as visits to Egyptian collections throughout the world. The span covered extends from the earliest known appearance of written language in the Nile Valley, around 3100 B.C., to the onset of decline in the eleventh century, B.C.

A Bit of Sweden

Yvonne Holland may be the only assistant for research on campus who can do the Langdans fran Närke, the Fjällänspolska, and the Daldans. As one of the leaders of Swedish Folk-dancers, Inc., she performs on an average of once a month in and around the city, mostly at folk festivals. A few years ago, she even "danced among the elephants" at a Mike Todd extravaganza in Madison Square Garden. She's been at it since her school days in Gothenburg. There a night of dancing might end with a climb "up some nearby hill to see the sunrise." Here it ends with her tucking in David, 9, and Adam, 6, who are already seasoned performers, and then getting ready for the next day's work at the University with Professor Paul A. Weiss. Somehow she also manages to find time to sing and play the guitar.

Mrs. Holland originally came to Rockefeller on an exchange program 14 years ago after receiving her degree from the University of Gothenburg. She had planned a year's stay to study new techniques in medical research, met Noel Holland, an advertising copywriter, and married him even though he wasn't a folkdancer. Through those years, the energy and versatility that have characterized her extracurricular activities have been equally apparent in the developmental biology lab where Dr. Weiss describes her as "my invaluable collaborator."

Journal Honors Claude

The editors of *The Journal of Cell Biology*, published by The Rockefeller University Press, dedicated Volume 50 to Albert Claude, thus joining in the homage paid to him by the University at convocation last June when it awarded an honorary doctorate to the man recognized as the founder of modern cell biology. Dr. Claude served at Rockefeller for nearly 20 years until he returned to his native Belgium in 1949. It was during those years that he did his pioneering work in tissue fractionation and electron microscopy. In the opening article, "Albert Claude and the Beginnings of Biological Electron Microscopy," Professor George E. Palade characterizes his former colleague as a scientist with "an innate feeling for biological structure." In the following piece, "Tissue Fractionation. Past and Present," Professor Christian de Duve summarizes progress in the field since Albert Claude published his papers on fractionation of mammalian

IN PRINT

The July 16 issue of *Science* carried a report by Professor **René J. Dubos**, Environmental Biomedicine, on Toxic Factors in Enzymes Used in Laundry Products. Preparations derived from cultures of *Bacillus subtilis* have already been shown to cause numerous and varied allergic reactions, sometimes violent, among the factory workers who handle and package detergent products. Dr. Dubos's study focuses on the fact that certain of the bacterial constituents and metabolites which accompany the enzymes also are potentially dangerous. Tests with experimental animals show these preparations to be capable of causing rapid weight loss, inhibition of infection-fighting mechanisms, hemolysis (liberation of hemoglobin from red blood cells), and hemagglutination.

Neal E. Miller: Selected Papers, published by Aldine-Atherton, Inc., reflects the broad range of Professor **Miller's** pioneering work in experimental psychology. The book brings together 64 papers selected by the author on the basis of their current relevance, their historical significance at the time they were published, and their personal appeal to him. They fall into two major categories—one dealing with conflict, displacement, learned drives and theory, the other with learning and motivation and their physiological mechanisms.

Of particular interest is the final section of the book, which consists of 11 papers relating to Dr. Miller's latest work, the series of experiments that overthrew traditional beliefs by proving that glandular and visceral responses mediated by the autonomic nervous system are subject to instrumental learning, which can be made quite specific. "These studies," writes Dr. Miller, "use some of the physiological techniques that we had learned in the preceding work, but complete a circle by returning to using the principles of learning on a problem with strong clinical implications. I believe that this new evidence forces us to the radical reorientation of treating glandular and visceral responses inside the body as behavior in exactly the same way that we do the more readily observable movements of the arms and legs."

liver cells by differential centrifugation, exactly 25 years ago, in *The Journal of Experimental Medicine*.