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Grants for Animal Center Reach \$5.3 Million

The University has received two major grants toward the construction of a new animal care and research center—\$2.61 million from the National Cancer Institute and \$2.5 million from The Kresge Foundation of Birmingham, Michigan. In announcing the awards, President Seitz said that “\$5.3 million, about half of what is required for this urgently needed facility, has now been raised.”

A total of \$35.7 million has been pledged in support of the University's \$118 million development program since its inception in early 1971. Other recent commitments include a bequest of \$140,450 from the Estate of Frederika Con; \$100,000 from the William S. Paley Charitable Trusts; \$100,000 from The Mobil Foundation; \$30,000 from The Goldhirsch Foundation; and \$25,000 each from the Ogden American Corporation and The Burroughs-Wellcome Fund. New pledges in excess of \$110,000 have also been received from members of the University Board of Trustees, who have now made gifts of more than \$5.3 million.

Dr. Seitz reported that nearly \$17.5 million has been designated by donors for capital purposes: \$14.1 million for

endowment, including \$5 million for support of professorships and fellowships; and nearly \$6 million for new construction. A total of \$15.6 million has been pledged for current and future operations in support of various basic research programs, as well as clinical investigations involving outpatient and inpatient studies being carried on by the University's Hospital.

The President noted that “the tremendously encouraging and deeply appreciated grant by The Kresge Foundation is one of the largest it has ever made to an eastern institution.” The date for the start of construction on the animal facility will be set as soon as the University has succeeded in raising the full amount of \$10.3 million estimated as the total cost of the project. Intensive studies of the design for the proposed facility are under way with the assistance of a faculty-student “user” committee chaired by Professor Richard M. Krause.

Pick First Recipients of Mellon Fellowships

President Seitz has announced the first recipients of new Richard King Mellon Foundation Fellowships. They are Jack W. Bradbury, a member of Professor Peter R. Marler's animal behavior laboratory, and Allan R. Goldberg, a member of the virology laboratory headed by Professors Igor Tamm and Purnell W. Choppin. The two fellowships are endowed by a recent grant from the Richard King Mellon Foundation and provide partial support to the recipients for several years. They are part of the new University Fellowships Program designed to aid gifted young investigators who have completed their basic training. In general, University Fellowships will be awarded to nontenured members of the faculty, including both those already on campus and those invited to join laboratories here. The University hopes the program will grow as more endowment support becomes available.

Two Named to Academy

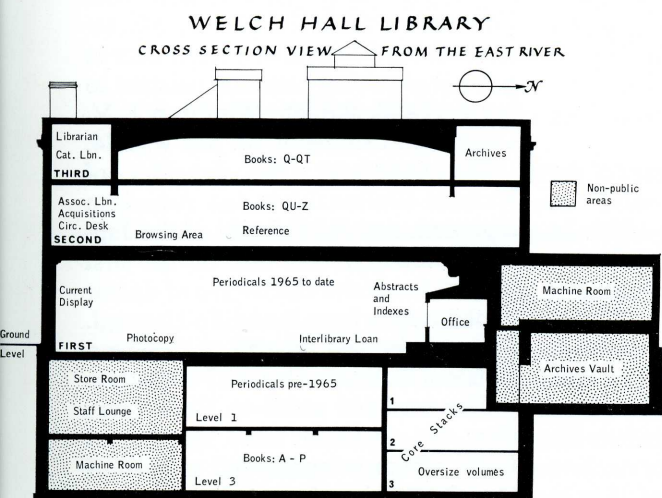
Professors Edward H. Ahrens, Jr. and William Trager were elected to membership in the National Academy of Sciences at the academy's 110th Annual Meeting on April 24 in Washington, D.C. Dr. Ahrens, whose research concerns the metabolism of lipids, is principal investigator of the Center for Prevention of Premature Arteriosclerosis. Dr. Trager's work is in parasitology.

Professor Maclyn McCarty, vice president and physician-in-chief, was elected to a three-year term on the academy's governing council.

Award to Goebel

Professor Walther F. Goebel has been chosen by the Gesellschaft für Immunologie to be the recipient of the first Avery-Landsteiner Prize, which will be presented in the fall during the first European Congress of Immunology in Strasbourg, France.

This European society recently created a prize of 10,000 German marks (about \$3,000) to honor pioneering research in immunology. Doctors Avery and Landsteiner, who were both members of The Rockefeller Institute for Medical Research, played major roles in laying the foundations of modern chemical immunology. Dr. Goebel came to Rockefeller in 1924 as an assistant in Dr. Avery's laboratory. Among his early achievements was the synthesis of an artificial antigen so close to that formed by living pneumococci that when injected into rabbits it protected them against infection by highly virulent Type III microorganisms. This was the climactic proof of the concept, developed by investigators at Rockefeller, that the antigenic specificity of the pneumococcus resides in the chemical configuration of the polysaccharides which constitute the bacterial capsule. More recently Dr. Goebel's research has been devoted to the chemical nature of colicines, potent antibacterial agents produced by many strains of enteric microorganisms.



Cross Section Shows Library Expansion. (See page 3.)

Keeping a Watch on the Campus Pulse

Whether to get a Band-Aid, arrange a visit to a doctor, lie down and lose a headache, report an accident, or check the scale and get some dieting advice, University workers made some 2,100 visits to the Employee Health Service last year. If Margaret J. Sobel has her way, the number will increase. She and her office-mates, Nurse Joan Thompson, newly arrived in March,



Members of the Employee Health Service, left to right: Melanie Hryciuk, Margaret Sobel, and Joan Thompson. On the wall, an original Sobel.

and Secretary Melanie Hryciuk, would like even more people to know about and use their services.

"For example," says Mrs. Sobel, "I'd like to see everyone get into the habit of checking his or her blood pressure frequently, not just on a once-a-year doctor's visit. We'll do it free, it's painless, and it's a valuable diagnostic tool. Quite a few employees do come in regularly—the ones who have found that their pressure needs watching—and we keep charts for their doctors."

The Employee Health Service is required by law to know when employees are out ill. They also need prompt reporting of accidents or injuries that happen at work. "When compensation claims run into difficulty," Mrs. Sobel warns, "it's often because of a delayed or neglected report." The members of the service are available for consultation on medical problems, for doctor referrals, and to arrange for the free diagnostic service offered to all employees with more than six months of service whereby the University assumes the cost of the first visit and any tests ordered by a doctor to make a diagnosis of a condition. (Subsequent treatment and medication are the individual's responsibility.)

Margaret Sobel took over the Employee Health Service last June after

the retirement of Anne N. Clune. She has had a varied career as hospital nurse, school nurse (at the Dalton School for eight years), and industrial nurse. She is married to Dr. Irwin Sobel, a pediatrician who, until recently, served as director of pediatrics at Lenox Hill Hospital where the Sobels met some 30 years ago. In addition to her nursing career and raising a son, now grown, Mrs. Sobel has been leading a not-so-secret "other life" as a successful painter. Several years ago, after a visit to the Washington Square art show, she said to herself (as others have before), "I can do that!" Unlike most others, she did. Self-taught, she began turning out oils and watercolors which sold—through a well-established gallery—as fast as she could produce them. She paints less since getting back into nursing service, but two florals of hers hang on the walls of the Employee Health Service.

Alumni Get Together

A group of more than 30 Rockefeller alumni assembled in Atlantic City on April 16 to discuss the overall structure and aims of the recently proposed alumni organization. The meeting took place during the annual meeting of the Federation of American Societies for Experimental Biology, an occasion that draws together a large gathering from the scientific community.

The group agreed to maintain a generally informal structure and to meet annually during the FASEB convention. They also decided to invite to the meeting each year a representative of the University to bring the members up to date on campus activities. At the April 16 meeting Professor James G. Hirsch, dean of graduate studies, spoke to the group about current student programs and projections for the future. The group requested that the alumni trustee continue to report to fellow alumni on University affairs and to be responsible for appointing a committee to coordinate alumni activities.

Carrel Centennial

June 28 is the 100th anniversary of the birth of Alexis Carrel, who served at this institution from 1906 to 1939. In 1912, he won the Nobel Prize for his work in suturing blood vessels and in the transplantation of organs. It was the first Nobel in medicine awarded for work done in this country. This month, in honor of his centenary, an exhibit of memorabilia related to his career, prepared by University Archivist Ruth D. Sternfeld, is on display in the Library.

Faculty Promotions, Appointments Announced

The promotions of 22 faculty members and the appointments of six new faculty members have been announced. (All are effective July 1, except where otherwise indicated.) The promotions are:

To professor: Saul A. Kripke, Philosophy, and Alexander Tomasz, Genetics.

To associate professor with tenure: Bruce W. Knight, Jr., Biophysics, Bruce S. McEwen, Neurobiology and Cytology, and Miklós Müller, Biochemical Cytology and Parasitology.

To associate professor: Richard W. Compans, Virology, and Thomas J. Kindt, Microbiology and Immunology.

To assistant professor: Myron C. Baker, Animal Behavior, Bruce R. Batchelor, Medicine, David R. Bickers, Medicine, Nam-Hai Chua, Cell Biology, Bruce W. Erickson, Biochemistry, Norton B. Gilula, Cell Biology, Joseph H. Graziano, Experimental Hematology, Kensuke Horiuchi, Microbial Genetics, Ta-hsiu Liao, Biochemistry, Liliana Ossowski, Chemical Biology, Andreas Scheid, Virology (effective last month), Samuel L. Segler, Experimental Physics, Bert Silverman, Cell Biology, Ralph M. Steinman, Cellular Physiology and Immunology, and Steven Wolff, Organic Chemistry.

Six persons have been newly appointed assistant professors: David Cowburn, Biochemistry (effective last March), Stanley Fowler, Biochemistry, Felix Hong, Biophysics, Robert Jarvella, Psychology, John L. King, Philosophy, and Alfred Maelicke, Chemical Biology.

Marian Osterhout Dies

Dr. Marian Irwin Osterhout, who had been associated with The Rockefeller University and the Marine Biological Laboratory at Woods Hole, Massachusetts for 50 years as a researcher in general physiology and an assistant to her husband, the late Winthrop J. V. Osterhout, died May 10. She was 84.

Dr. Osterhout, the daughter of Richard Walker Irwin, an American diplomat, and Iki Takechi of the Japanese nobility, was one of the first women to receive the degree of doctor of philosophy from Radcliffe-Harvard. She was the first woman to receive a National Research Council Fellowship.

Her husband came to Rockefeller after the death in 1924 of Jacques Loeb, whom he succeeded as head of the laboratories of general physiology. He retired in 1939 and died in 1962.

Library Makes More Room for Books, People

Meatloaf and roastbeef have been replaced by food for thought. Conversion of the former dining areas in Welch Hall to provide expanded facilities for the University Library will be achieved by the end of this month. The entire building has undergone a general rearranging and tidying up to create an efficient environment while preserving its traditional beauty. Work began on March 5 and will end on schedule without closing the Library or seriously inconveniencing its users. Floor space has been nearly doubled—from 13,000 to 22,000 square feet—covering the first, second, and third floors and three basement levels. Seating capacity has been increased from 90 to 154.

■ Beginning at the top, the third floor contains the books in the physical and life sciences (Library of Congress classifications Q to QT). Also on this floor are the offices of Librarian C. Robin LeSueur, Assistant Librarian for Cataloging Mary R. Nahon, and the Archives under the care of Assistant Librarian Ruth D. Sternfeld. The second floor houses books on medicine, applied science and technology (classifications QV through W), and reference works (Z). The new reference center includes all bibliographic material as well as reserve books. There's a browsing area, with new books, newspapers, and general interest periodicals, replacing the former Common Room. On this floor are the offices of Sonia W. Mirsky, associate librarian, Maily Shradly, who handles acquisitions, and Rose Lawrence, who oversees the circulation desk.

■ The former dining room on the first floor now provides widely spaced

shelves for all periodicals from 1965 to date, including current unbound issues, supervised by Margaret Sheehan. (The Library takes 1,600 titles annually.) The Interlibrary Loan Service, run by Patricia Mackey, is also on this floor. The former kitchen areas contain the Photocopy and TWX services, supervised by Viola Junious. And there is also a coin-operated Xerox machine. A pleasant prospect for summer study are two small air-conditioned rooms on this floor, and the garden area which will be open for library users in good weather.

■ Basement level 1—the former “Ladies Dining Room”—holds periodicals previous to 1965. The Library owns some journals in unbroken series dating back to the 1830s. The core stacks on levels 1–3 are reserved for expansion. The main stacks on level 3 contain the humanities, social science, and general interest collection (classifications A–P). The Mathematics, Physics, and Philosophy Library, attended by Olga Constantinescu, has been moved to new quarters on the 16th floor of the Tower Building, convenient to the laboratories it mainly serves.

The expansion has come none too soon, for what started out as a handful of books and journals—as much as Christian Herter and Simon Flexner could buy in Europe in 1903 for \$5,500—has grown to 159,000 volumes, increasing at the rate of 4,000–5,000 annually. It takes 4 professional librarians plus 16 full-time employees and several part-time helpers to keep it all working. “Before the renovation,” says Mr. LeSueur, “if everything out on loan had suddenly been returned, the staff would probably have had to move out.”

BRIEFS

Professor **René J. Dubos** was the keynote speaker at the first general session of the annual meeting of the American Lung Association (formerly the National Tuberculosis and Respiratory Disease Association) on May 20. He was also the speaker at the 68th Annual Meeting of the American Association of Museums in Milwaukee on June 4.

William W. Lowrance, Jr., '70, has been appointed a Resident Fellow of the National Academy of Sciences. Under a program sponsored by the Alfred P. Sloan Foundation, he will be working on problems concerning the relationship of the scientific community to the U.S. Congress and to federal agencies. Most recently, Dr. Lowrance served as assistant executive editor of *The Journal of Cell Biology*.

David D. Brayshaw, '68, assistant professor of physics at the University of Maryland, has been awarded an Alfred P. Sloan Foundation Fellowship.

Professor **Michael J. Tannenbaum** participated in a Workshop on Social Research and Science Policy in High Energy Physics, held May 25–26 at Northwestern University.

Professor **Christian de Duve**, Biochemistry and Cell Biology, delivered one of the principal addresses at the bicentennial celebration of the Académie Royale des Sciences, des Lettres et des Beaux-Arts of Belgium, held in Brussels in May. Dr. de Duve is a member of the Académie. President Emeritus **Detlev W. Bronk** also attended the meeting as the representative of the National Academy of Sciences, of which he is a past president.

New ERC Members

The Employees' Representative Committee held its annual election during the first week of May. Those chosen as representatives are:

For the Clerical staff—Elsie Conklin, Louise Johnson, Rose Lederer, and Mary Ann Norton as alternate; for the Hospital—Elizabeth Nichols, Viola Quinn, and Doloris Johnson as alternate; for Services—Charles Brady, Efrain Derieux, Ann Scaparro, and Juliana Hindra as alternate; for Shops—Elbin Diaz, Anthony Fusco, and Karl Santa as alternate; for Technical—Albert Angevin, Elizabeth Dharmgrongartama, Philip Griswold, and Louise Alleyne as alternate.



New ERC representatives, left to right: Elizabeth Nichols, Louise Johnson, Karl Santa, Doloris Johnson, Charles Brady, Elizabeth Dharmgrongartama, Philip Griswold, Anthony Fusco, Albert Angevin, Ann Scaparro, Juliana Hindra, Mary Ann Norton, Efrain Derieux.

APARTMENT HOUSE

The first steps have been taken toward the construction of a new faculty apartment building on 63rd Street and York Avenue, on the site now occupied by the old factory building once used by the American Cystoscope Company. On May 17 test boring began in the 63rd Street parking lot, which, for safety reasons, will have to be cleared of cars after June 30. Those assigned parking on 63rd Street will be accommodated, as far as possible, in the 64th Street and 68th Street lots, but the Office of Buildings and Grounds advises that such accommodation does not "constitute a permanent assignment in either of those areas."

On or about July 1 the wrecker's ball will start the demolition of the old building. The new facility, planned primarily for the use of the younger, nontenured faculty members and their families, will contain about 250 apartments of varying sizes and a large garage. Completion is hoped for by the summer of 1975. The Faculty Housing Committee is working closely with the University on the project which is being financed by loans administered through the New York State Dormitory Authority.

PERSONAL MENTION

Born, April 20, to **Frederick A. Dodge, Jr.**, adjunct associate professor, Biophysics, and his wife, Catherine, formerly a secretary at the University, a daughter, Susan Anne, their first child.

Born, April 29, to Postdoctoral Fellow **Carl Deneff** and his wife, Maryline, a son, Frederik, their first child.

Maryann Dickey, an assistant for research in the laboratory of Dr. George E. Palade, and Research Associate **Paul Litton Fletcher, Jr.** were married on May 13. The wedding took place at the University.

Born, May 15, to Graduate Fellow **Bernard Fulpus** and his wife, Denise, a son, Nicolas François, their third child.

Christina Johnson, an assistant for research in the laboratory of Dr. Edward H. Ahrens, Jr., was married on May 26 to Charles J. Parsons, a special agent with the Federal Bureau of Investigation.

DEATH

Margaret Christine Wuest, 78, a secretary at Rockefeller from 1924 until her retirement in June, 1961.

IN PRINT

In an article titled "Do Suctoria Really Feed By Suction?", in the February issue of *BioScience*, Professor **Maria A. Rudzinska**, Protozoology and Cell Biology, rejects suction hitherto generally accepted as the motile force of feeding in Suctoria (a subclass of ciliates), and proposes instead a mechanism based on the sliding-filament theory of muscle contraction. The findings derive from her electron microscope studies of the suctorian, *Tokophrya infusionum*.

"Gravitational Waves—A Progress Report" is the title of a review article by Graduate Fellow **Jonothan Logan** in the special March issue of *Physics Today* devoted to astrophysics.

Reflex Activity of the Spinal Cord by Creed, Denny-Brown, Eccles, Liddell, and Sherrington, originally published in 1932 (Clarendon Press), has been reprinted with annotations by Professor **David P. C. Lloyd**. Dr. Lloyd came to Rockefeller in 1939 and retired in 1971. At that time he returned to his native England. He is an Honorary Research Fellow of University College, London.

Sheila Cole, wife of Professor **Michael Cole**, Ethnopsychology, is the author of an article, "What's Wrong with Sex-Education Books for Kids," in the May issue of *Ms.* magazine.

The May 4 issue of *Science* contains an article by Professors **Stanford Moore** and **William H. Stein**, Biochemistry, titled, "Chemical Structures of Pancreatic Ribonuclease and Deoxyribonuclease." The article is a combined text of the lectures delivered by Dr. Moore and Dr. Stein in Stockholm last December when they shared with Christian B. Anfinsen the Nobel Prize in chemistry. In the introduction they state: "An understanding of the host of reactions in which proteins participate in living cells requires information on the molecular architectures of a wide variety of proteins of different origins and different functions. Such information is coming from laboratories all over the world. . . . And such knowledge is fundamental to progress in medical research; the Nobel awards this year in chemistry (concerning ribonuclease) and in physiology or medicine* (concerning antibodies) both concern basic research on the chemistry and the biology of proteins."

* Shared by Professor Gerald M. Edelman.

Trustees Elected

Donald R. Griffin, professor at The Rockefeller University since 1965 and fellow of the New York Zoological Society, and Rockefeller alumnus Robley C. Williams, Jr., who assumes the post of associate professor of biology at Yale University in July, have been elected to the University Board of Trustees. They succeed Professor Mark Kac and Dr. John G. Hildebrand in the faculty and alumni trustee posts, which are limited to terms of three years.

Dr. Griffin is an authority on animal behavior, best known for his investigations of the ways in which animals orient themselves for migration and for hunting. The term "echolocation," commonly used to describe the process by which bats use the echoes of their own chirps to locate obstacles and "home in" on prey, was coined by Dr. Griffin.

Robley C. Williams, Jr., a graduate of Cornell, earned his Ph.D. in the laboratory of Professor Lyman C. Craig. After leaving this campus, he was a postdoctoral fellow for a year in the Department of Biology of the State University of New York at Buffalo. From there he went to Yale as assistant professor of biology.

Kent Leavitt Dies

Kent Leavitt of Fraleigh Hill Farms, Millbrook, New York, died on April 23 at the age of 69. Mr. Leavitt, a strong supporter of the University for many years, was of considerable assistance in procuring land for its new Field Research Center for Ecology and Ethology at Millbrook, and aided greatly in the establishment of this field station in Dutchess County.

Mr. Leavitt's lifelong interest in many aspects of ecology was reflected particularly in his active participation in soil conservation programs and his work with planning commissions and other organizations dedicated to preserving the natural environment. He was a past president of the National Association of Soil Conservation Districts. For the past 35 years, Mr. Leavitt owned and operated a dairy and beef farm in Millbrook.

REPAIR TOWER PLAZA

Problems which resulted from unforeseen construction difficulties have necessitated the removal and replacement of the top layer of concrete on the Tower Building Plaza. Work began on May 15 and will continue until about mid-July.