

4-1977

NEWS AND NOTES 1977, VOL.8, NO.7

The Rockefeller University

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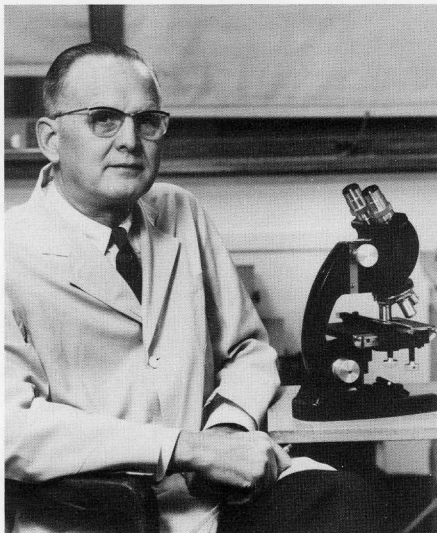
THE ROCKEFELLER UNIVERSITY

APRIL 1977

VOLUME 8 NUMBER 7

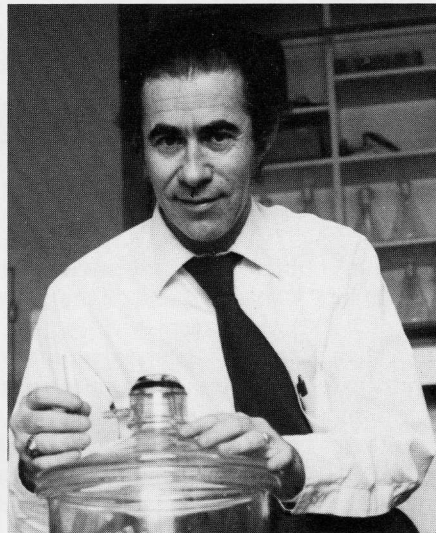
news and notes

New JDR Jr. Chairs to McCarty, Zinder



MACLYN MCCARTY

President Seitz has announced the establishment by the board of trustees of two John D. Rockefeller Jr. professorships, the first endowed posts at the University to bear the Rockefeller family name. Maclyn McCarty and Norton D. Zinder have been named to the new chairs. They will be funded from new endowment derived from the recent sale of the painting by Jacques-Louis David of Antoine-Laurent Lavoisier



NORTON D. ZINDER

and his wife, which had been given to the University by John D. Rockefeller, Jr., during his period as chairman of the board (see column three). The University will also allot a portion of the funds to endow four of the present graduate fellowships.

Commenting on the board's action, David Rockefeller, chairman of the executive committee, stated: "This in-

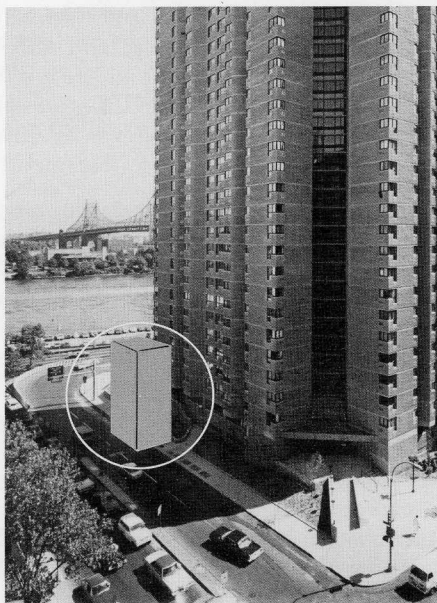
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David Painting Sold

After 50 years in the University's possession, the painting *Antoine-Laurent Lavoisier and His Wife* has a new home. The life-size double portrait of the famous scientist and his artist wife by Jacques-Louis David, dated 1788, has moved to the Metropolitan Museum of Art. It has been purchased by the Metropolitan with funds provided by an anonymous donor.

President Seitz states that the sale was particularly advantageous for the University, due to the strong current interest in this period of French art. In a statement explaining the board of trustees' decision to sell the picture, he said: "We have been fortunate to have this masterwork on display in our Library for the half century since it was given to us by John D. Rockefeller, Jr., during his period as a trustee. We have especially valued it as one of the very few major art works depicting a key figure in the history of science. But the wide interest generated by the painting on the rare occasions when it has been on loan to museums here and abroad has emphasized dramatically that it is an international cultural asset which should be on view in surroundings where it can be properly and se-

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PROPOSED SUBWAY SHAFT STIRS ALARM

A minimum of five years of massive traffic jams, dirt and noise surrounding the campus, disrupted research, and unlivable conditions at the University's new apartment house may be in store if construction of the proposed subway ventilation shaft at 63rd Street and York Avenue proceeds as planned, warn representatives of the University's Administration, the Faculty House Tenants' Association (RUFHTA), and the neighborhood Tenants' Environmental Association.

According to the plans of the Metropolitan Transit Authority (MTA), excavation for the shaft and for removal

of the underground debris will require that a four-story truck hoist be erected almost flush against Faculty House (see photo), to be operated from 7 A.M. to 11 P.M., six days a week. Trucks, construction trailers, and other equipment will obstruct the area for several blocks around the site, including the entrance to the Childrens' School. Traffic to and from the FDR Drive will have to be channeled into single lanes, which will cause a severe backup of vehicles on York Avenue and the Drive.

Concern has been expressed that blasting at the site will disrupt experi-

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University Hosts Malaria Workshops

Scientists from all over the world gathered at the University during the week of March 7–12 to exchange information on the current state of malaria research. The meetings, sponsored by the United States Agency for International Development and the United Nations World Health Organization, were divided into two three-day workshops, the first on the biology of malaria and the second on in vitro cultivation of malaria parasites.

Professor William Trager, head of the University's parasitology laboratory, served as chairman of both workshops and reported on aspects of his

research. Last May, Dr. Trager and Professor James Jensen, Parasitology, announced the first continuous test tube cultivation of the human malaria parasite—the first such cultivation of any species of malaria parasite. It opens the way for the development of a vaccine against the most prevalent disease in the world.

Also participating in the workshops were Dr. Jensen and Professors Araxie Kilejian and Susan G. Langreth from Dr. Trager's laboratory, and Professor Christian de Duve, head of the University's laboratory of biochemical cytology.

NEW JDR JR. CHAIRS *continued from page 1*

stitution held a very special place in my father's esteem through the 44 years he served as a trustee. I can think of no more gratifying memorial to him than this one, which honors the tradition of excellence he valued so highly, as personified by the scientists upon whom these professorships have been bestowed."

Maclyn McCarty has worked on the Rockefeller campus for 36 years, 15 of them as physician-in-chief of the Hospital. He has been a vice president since 1965. For over 30 years, his name has been associated with one of the major discoveries of 20th century science—the work by Avery, MacLeod, and himself that led to the demonstration that DNA is the substance of genetic transfer. He has conducted extensive research on the immunochemistry of streptococci and the relationship of streptococcal infection to rheumatic fever and heart disease. His studies on streptococci include the isolation of both extracellular and cellular components of the microorganism. In particular, he has isolated the external protective coating—the cell wall—and studied its chemical structure, biological properties, and relationship to the production of disease.

Dr. McCarty has held many important public health posts. He is a member of the National Academy of Sciences and of the Johns Hopkins Society of Scholars, and is a recipient of the Eli Lilly Award. Last fall, Columbia University awarded him an honorary doctor of science degree, and in February, he received the first Waterford Bio-Medical Science Award of the Scripps Clinic & Research Foundation.

Norton Zinder, who came to Rockefeller in 1952, is a geneticist and micro-

biologist whose research on the genetics of bacteria and on the properties of bacteriophages—viruses that infect bacteria—has provided important new information on the mechanisms of heredity. His first major discovery, transduction in bacteria, resulted from experiments performed with Joshua Lederberg at the University of Wisconsin while Dr. Zinder was still a graduate student. These experiments and the resulting methodology made transduction a powerful tool for the study of bacterial genetics and for such applied problems as antibiotic resistance and bacterial classification. In 1960, Dr. Zinder and Timothy Loeb, a graduate student in his laboratory, discovered seven new bacterial viruses, among them the first known RNA-containing bacteriophages. Additional investigations of RNA bacteriophages soon led Dr. Zinder and his group to the first demonstration that virus replication in the RNA phage is not dependent on DNA: that RNA phage acts both as its own genetic material and as a template for directing protein synthesis. This research provided further evidence that RNA carries the blueprint for the manufacture of protein. Also, with the use of phage RNA, many details of protein biosynthesis, including its initiation and termination, were worked out.

Dr. Zinder is a leading authority on DNA recombinant research, which has become one of the most important and hotly debated subjects of contemporary science. He is a recipient of an Eli Lilly Award, the United States Steel Foundation Award of the National Academy of Sciences, of which he is a member, and the Medal of Excellence from Columbia University.



Mabel H. Bright, left, retiring after 35 years, receives a volume of letters of appreciation, presented by David Luck at a party in her honor on March 17. Beginning as a part-time secretary, Mrs. Bright became administrative assistant to President Detlev Bronk in 1954 and assistant secretary to the board of trustees in 1959.

BRIEFS

Professor **John B. Zabriskie**, Bacteriology and Immunology, delivered the Annual American College of Physicians Lecture at the New York Regional Meeting of the American College of Physicians, held March 1 at the University. He spoke on Immunology of Post Streptococcal States.

Senior Research Associate **Larissa A. Pohorecky**, Physiological Psychology, was an invited speaker at a workshop on Affective Disorders and Alcoholism, sponsored by the National Institute on Alcohol Abuse and Alcoholism, held March 16–17 at Hilton Head Island, South Carolina. She was also invited to speak at the Milton M. Gross Memorial Symposium in Chicago on April 1–2.

C. Eugene Sunderlin, who retired last year as vice president of the University, has been named head of the newly established National Science Board Scientific Support Staff and will also serve as executive secretary and staff director of the National Science Board Committee on the 10th NSB Report.

DEATH

Wilbert Carter, 39, on February 20. Mr. Carter, a member of the University staff since 1968, was a skilled helper in the Animal Facility.

IN PRINT

In an article in the March issue of *Trends in Biochemical Sciences*, John T. Edsall, professor emeritus of biochemistry at Harvard, assesses the impact of immigrant scientists on American biochemistry during the first half of the 20th century. Of the 14 scientists he selects for outstanding contributions, five were associated with The Rockefeller: Jacques Loeb, P. A. Levene, Leonor Michaelis, Max Bergmann, and Joseph S. Fruton. Dr. Fruton is currently Eugene Higgins Professor of Biochemistry at Yale. He worked on this campus from 1934 to 1945. Last year The Rockefeller University awarded him an honorary doctor of science degree.

An important area of research in the animal behavior laboratory of Professor Donald R. Griffin concerns bird migration and orientation in flight. In the February 25 issue of *Science*, **Ronald P. Larkin** and Pamela J. Sutherland report that in the course of studying the environmental effects of the antenna system used in the Navy's Project Seafarer at the Wisconsin Test Facility, they found evidence that some migrating birds reacted to the low-frequency

alternating current magnetic field as they flew over two antennas, suspended about eight meters above the surface of the ground. According to the authors: "Demonstration of a high degree of sensitivity to magnetic fields, both to natural disturbances and to the extremely low-frequency a-c fields generated by the Wisconsin Test Facility, suggests a heretofore unsuspected degree of sophistication in birds' use of magnetic fields in orientation. The results . . . imply that some birds can detect low-intensity magnetic changes within a few seconds and that orientation involving the use of magnetic cues may be used during flight. These considerations suggest that birds may make use of local (10 to 1000 km) magnetic features of the earth's surface in migration and orientation."

APPOINTMENTS

Professor **Armin Ermisch**, Bioscience Section, Karl Marx University, Leipzig, as a visiting professor in the laboratory of Professor Bruce S. McEwen, effective February 4.

Nicholas Davidson, Cholesterol Metabolism, as assistant professor, effective March 1.



First came the crocuses, followed by the daffodils. From mid-April to mid-May, tulips will dominate the campus, bordered by and interspersed with grape hyacinth. The multicolored masses of tulips sport names like Garden Party (red) in the circle beds, Queen of Night (purple-black) and Sweet Harmony (lemon yellow) around Flexner, Emperor (red, yellow, and white) around Abby, Red Riding Hood around the crab apple trees, Keukenhof (red) at the entrance to Caspary, White Triumph and Oxford (yellow) just north of Founder's, Keizerskroon and DeWitt (red) and Bellona (yellow) at the 66th Street gate, President Kennedy (yellow) near the Nurses' Residence, and mixed color groupings along the walks to Bronk Lab, on the south side of the Esplanade, and around the Animal Facility.

For every bloom, a bulb was planted last fall. Care to hazard a guess as to how many? According to Head Gardener John Considine, who with Frank J. Pendick and Michael Crowley dug every hole, the number is 11,000!

PROPOSED SUBWAY SHAFT *continued from page 1*

ments in the University's laboratories, especially in the Tower Building and the Animal Facility. In addition to their own discomfort, Faculty House tenants point out that construction may cause the loss to the University of considerable rent revenue and a powerful inducement for attracting able, young workers to Rockefeller if a significant portion of the building becomes uninhabitable.

The problem has arisen because the MTA states that, for safety reasons, it is now necessary to build a third ventilation shaft for the Queens-Manhattan subway tunnel along 63rd Street between the two tunnels originally planned, one on Roosevelt Island and the other on Second Avenue. The MTA claims that the additional shaft is needed to assure a sufficiently speedy turnover of air in the tunnel in case of an emergency. (The MTA's specified turnover or "purge" time of four minutes has been challenged by engineering experts consulted by the University.) The MTA also claims that the proposed site is the most desirable and economical because it presents relatively few

problems of underground utilities and building underpinnings.

During the past several months, at meetings between officials of the MTA, Community Planning Board 8, and representatives of the University and other concerned neighborhood groups, the MTA has rejected several proposed alternative solutions. Vice President Albert Gold, as well as members of the executive committee of RUFHTA, have been among the participants at the meetings.

Dr. Gold states: "The trustees and administration of the University view the proposed modification of the plans for construction of the 63rd Street subway as a grave threat, not only to the well-being of our institution, but to that of the entire community—institutional, commercial, and residential—of which we are a part. We believe that the MTA has failed to establish on reasonable technical grounds the necessity of additional ventilation facilities in this area. Nor have they, in our view, explored with sufficient vigor, alternate, less disruptive means for achieving this end,

should it indeed be shown to be needed.

"We have emphasized a constructive approach to this issue, having engaged, with the collaboration of neighboring institutions and businesses, consulting engineers to examine both the traffic and tunnelling aspects of the problem. We have and will continue to work collectively with all the segments of the community and with government officials on this vital problem."

A meeting was held by Community Planning Board 8 on March 31 in Caspary Auditorium at which spokesmen for the University and the other neighborhood groups presented their objections to the MTA plans.

RU Delegation to Visit China in May

Representatives of the University's faculty and administration will arrive in Peking on May 5 for an 18-day visit to the People's Republic of China. They will tour scientific, medical, educational, and cultural centers in Peking, Nanking, Soochow, Shanghai, and Kwangchow.

According to President Seitz, who will lead the group, the trip offers "an excellent opportunity to learn firsthand about the present state of Chinese research and medicine and to re-establish and strengthen communication between the scientific communities of the two countries."

In the five years since the easing of travel restrictions, several delegations of Chinese scientists and physicians have visited the University. The faculty members in the University's delegation are among those to whom specific requests had been sent by the Chinese visitors who had indicated mutual research interests.

In addition to Dr. and Mrs. Seitz, the University's planned delegation includes: Professor and Mrs. Purnell W. Choppin, Professor and Mrs. Zanvil A. Cohn, Professor and Mrs. James G. Hirsch, Vice President and Mrs. Maclyn McCarty, Professor and Mrs. Bruce Merrifield, Vice President Rodney W. Nichols, Professor and Mrs. Floyd Rat-

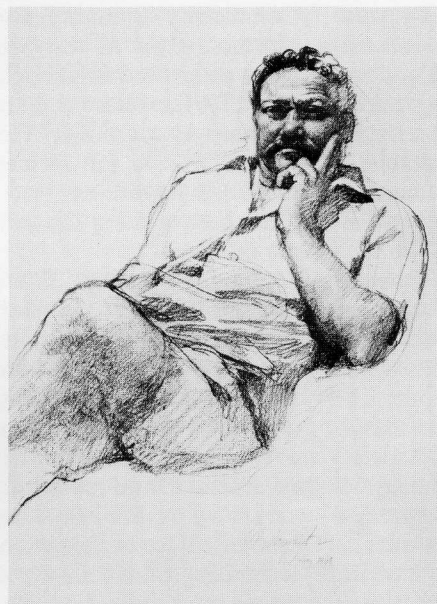
liff, Professor and Mrs. William Trager, and Professor and Mrs. Norton D. Zinder.

The trip, which has been over a year in the planning, has been made possible by special grants to the University from several individuals and private foundations with an interest in supporting international exchanges of this kind. As a private, nongovernmental exchange, the arrangements have been supervised by the China International Travel Service, Peking.

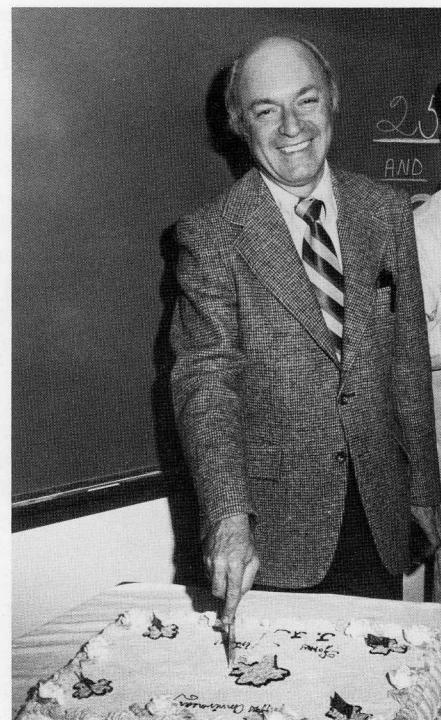
Urgent Appeal

If you or a member of your family needed blood in an emergency, would it be available? The answer depends on you. Each year a day is reserved at the Blood Center for Rockefeller donors. The date this year is May 11. Everyone on campus is urged to sign up for an appointment by stopping by the Personnel Office, Room 103, Founders Hall, any time before the assigned date. Even if you cannot donate yourself, you may send a substitute to establish credit for you.

The Blood Center, at 310 East 67th Street, is also issuing a special appeal for donors on the Friday before the Memorial Day weekend, when the need is always particularly urgent. All donors and members of their immediate families are automatically entitled to draw upon the blood bank. When you donate, be sure to inform the Blood Center that you are with the University.



Prints by Daniel Schwartz, whose work appears in exhibitions in New York and in national magazines, on view in the Faculty Club.



James J. Stewart, superintendent of Purchasing, cuts the cake at a party on March 18 celebrating his 25 years with the University and his birthday.

Pooled Income Fund To Be Initiated

On January 18, the board of trustees approved the establishment of The Rockefeller University Pooled Income Fund. Through this new plan, individuals who would like to help support the University's work can make gifts of \$5,000 or more and receive immediate tax benefits while retaining the lifetime earnings from their gifts for themselves or others. Previously such arrangements could be made only through individual trusts, which require much larger contributions. The fund's investment objective will be income yield with modest capital growth, and participants will benefit from any increases in earnings from year to year. It will go into effect as soon as sufficient initial commitments are received and necessary governmental approvals are obtained. Further information is available from R. L. Van Valer in the Development Office, extension 1176.

DAVID PAINTING SOLD

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curely exhibited. We are delighted that the Metropolitan Museum of Art has been able to acquire the painting, as Mr. Rockefeller expressed at the time of his gift the hope that it be offered to the Metropolitan should the University ever decide to sell. The painting will now be available to all the people of New York, becoming an important part of the City's cultural heritage."

Thomas Hoving, director of the Metropolitan, has characterized the painting as "a milestone in the artist's work in this genre," the acquisition of which "will immeasurably strengthen" the Museum's "rather limited holdings in the area of French Neoclassical painting."

The proceeds of the sale will be treated as endowment, the income from which is being used to support two John D. Rockefeller Jr. professorships, among other programs (see story, page 1).

news and notes is published from October through July. This is Volume 8, Number 7. Suggestions for articles are welcome and may be sent to *news and notes*, Box 194, Phone extensions 1420 and 1051. Photographs: page 1, top left, Pach Bros., center, Ingbert Grüttner, bottom left, Guy Gillette; pages 2 and 4, Henrik Boudakian; page 3, Rockefeller Archives. © 1977, The Rockefeller University Press, New York 10021. Printed in the United States of America.