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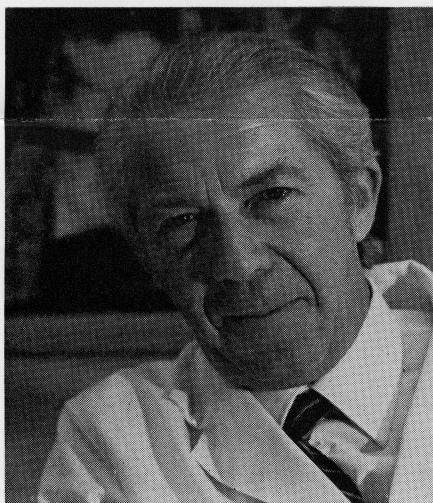
THE ROCKEFELLER UNIVERSITY

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news and notes

Christian de Duve Named Mellon Professor



Dr. Christian de Duve, Biochemical Cytology, has been named Andrew W. Mellon Professor. This chair was established under a grant from The Andrew W. Mellon Foundation in support of the University's programs of research and advanced training in cellular biology and experimental pathology.

Dr. de Duve, who last year was awarded the Dr. H. P. Heineken Prize by the Royal Netherlands Academy of Arts and Sciences for distinguished contributions in biochemistry and biophysics, is best known for his discovery of lysosomes, cell organelles containing digestive enzymes capable of breaking down most of the constituents of living matter. In recent years, his research has focused on the use of centrifugal fractionation techniques to study subcellular particles, research that has led him into a number of different areas of cell biology and pathology including the mechanisms involved in the processes of arteriosclerosis and aging.

Dr. de Duve was appointed a professor at the University in 1962. He is also professor of biochemistry at the University of Louvain Medical School in Belgium, where he received the degree of Doctor of Medicine, Surgery and Obstetrics, in 1941. He also holds the degree of Master of Science in Chemistry from Louvain.

Report Energy Saving, Urge Continued Effort

The University's emergency energy committee reports that fuel oil consumption for the period January through April was down an average of 8-10 percent over the comparable period last year, despite a colder February and March in 1974 and a history of increasing consumption every previous year. Electrical consumption is also down—for the first time on record—notwithstanding the recent addition of a heavy load of new, high-wattage laboratory lighting and other equipment.

These results reflect a concerted effort by the entire campus community and many hours of dedicated work by the committee and by the staff of Buildings and Grounds. Committee members visited major areas of the

University to consult on conservation measures. Room and water temperatures have been lowered where advisable; lighting in tunnels, corridors, and on the grounds has been reduced; doors, windows, and roofs have been checked for air leaks, and faucets for water leaks. In addition, an extensive program to replace faulty steam traps throughout the University was implemented. The committee cites "outstanding cooperation" on campus, especially from such services as the laundry, cafeteria, and safety and security. In the laundry, Supervisor William T. Hertwig has instituted measures that have considerably reduced the number of wash loads, cut out all partial loads, and shortened the cycle

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SPRING DANCE

Everyone is welcome to the University's spring dance, to be held on Friday, May 31, beginning at 8:30 P.M. in the Faculty and Students Club. There will be live music, pizza, beer, and May wine, and a door prize. Dress is informal. Tickets, at three dollars each, may be purchased at the Faculty and Student Club bar or from James J. Stewart, superintendent of purchases.

Scientists Report at FASEB Meeting

Fifteen scientific papers prepared by University researchers were presented at the 58th Annual Meeting of the Federation of American Societies for Experimental Biology, held April 7-12 in Atlantic City. In addition, Professors Zamil A. Cohn, Frederick A. Dodge, and Gerald M. Edelman participated in special symposia.

Member societies of FASEB are: the American Physiological Society, the American Society of Biological Chemists, the American Society for Pharmacology and Experimental Therapeutics, the American Society for Experimental Pathology, the American Institute of Nutrition, and the American Association of Immunologists.

SIGN UP NOW

Friday, May 17, is the University's annual day for donating blood at the Community Blood Council, American Red Cross, at 310 East 67th Street. Everyone on campus is urged to register for his or her appointment at the *Personnel Office* any time before May 17. Donors and their dependents are eligible to draw upon the blood bank in an emergency. This is important for your protection and the protection of your fellow workers.



Left to right: Margaret J. Tinney, Michael T. Brown, Sonia W. Mirsky, and David Rockefeller.



George Karda and Leokadija Mortuzans



Walther F. Goebel (left) and David Rockefeller



Elizabeth Gilgar and David Rockefeller

Tribute Paid to Sixteen at Annual Dinner

Professor Walther F. Goebel, who will celebrate his 50th anniversary in September, Chief Engineer George Karda, retiring in August after 49 years, and Head Hospital Porter Michael T. Brown, retiring in June after 46 years, are among the members of the Rockefeller community who were honored at the University's retirement and anniversary dinner, held on Thursday evening, April 4, in the 17th floor Tower dining room. The annual event, attended by longtime staff and faculty members and their families, pays tribute to those retiring after 15 or more years of service and those marking special anniversaries. David Rockefeller, chairman of the board, presented gifts and certificates to the celebrants.

Those retiring, and their years of service, are: Michael T. Brown, head porter, Hospital, 46 years; Sergio De Candia, security guard, 15 years; Ellen Donoghue, laboratory helper, Cell Biology, 21 years; Roger C. Elliot, director of administrative services, 18 years; Elizabeth Gilgar, food service helper, 15 years; George Karda, chief engineer, Power House, 49 years; Ruth J. Mandlebaum, chief artist, Graphic Services, 37 years; Robert M. Miller, assistant superintendent, Purchase and Supply Service, 39 years; Leokadija Mortuzans, laboratory helper, Cellular Physiology and Immunology, 24 years; Maria Ritzinger, laboratory helper, Immunology, 23 years; Margaret J. Tinney, food service helper, 16 years.

Those marking special anniversaries are: Professor Walther F. Goebel, Biochemistry, 50 years; Molly McIntyre,



Roger C. Elliot (left) and David Rockefeller



Robert M. Miller

laboratory helper, Bacteriology and Immunology, 25 years; Sonia W. Mirsky, associate librarian, 25 years.

Those becoming professors emeriti are: H. Keffer Hartline, Biophysics; Maria A. Rudzinska, Parasitology.



Molly McIntyre (left) and Ellen Donoghue



Ruth Mandlebaum and David Rockefeller



Maria Ritzinger and H. Keffer Hartline

Fighting Response Is Factor in Rat Ulcers

Professor Jay M. Weiss reported the latest results of his studies on the psychological factors in stress-induced disease on March 30 at the 1974 Annual Convention of the American Psychosomatic Society, held in Philadelphia.

In recent experiments conducted by Dr. Weiss and Professor Larissa A. Pohorecky it was found that when rats subjected to electrical shock were able to react by expressing aggressive behavior toward other rats they developed significantly fewer and smaller stomach ulcers than did isolated, lone rats placed under identical stress.

In the initial experiments, three groups of rats were tested. The first group were the "loners," separated into individual, soundproof cages. In the second group, two rats were put together in a double-size cage. In the third group, the animals were separated by Plexiglas bars but could see one another. All shocks administered were of equal duration and intensity.

The animals placed together reacted by fighting. Those separated by Plexiglas bars assumed aggressive postures toward each other, even though they could not touch. The isolated animals developed twice as much ulceration as the fighters, and the animals in the partitioned see-through cages developed virtually the same degree of ulceration as did the fighting rats. These results showed, first, that fighting behavior reduced the severity of stomach lesions in rats and, second, that this effect did not depend upon the subjects actually engaging in a fight but was produced by the display of, or release of, the fighting response.

In a further experiment, rats that could hear and smell each other but could not see each other did not assume aggressive or threatening postures. Their ulcers were as severe as those of the animals that were totally isolated, indicating that the reduced ulceration was not simply due to the presence of another animal in the stressful situation but was indeed dependent upon the animals' showing the fighting behavior.

Previous research by Dr. Weiss has shown that rats that are given a signal before shock and can predict regularly when shock will occur develop smaller and fewer ulcers than rats that receive the same shocks without being able to predict their occurrence.

Two undergraduate volunteers, Sherry Salmon and Michael Gruenthal, aided in the recently reported research.



Standing: Salvatore Po (left) and George Cent kneeling, James Beckle (left) and John Considi

For the Floral Show, a New Director

One of the best shows in town about this time each year is the Rockefeller campus, with its famous azaleas and tulips. This year the show has a new director, James Beckley, who has taken over as head gardener. He came to the University at the suggestion of his friend and predecessor, Andries van Zadel. Mr. Beckley had served previously as grounds supervisor for Columbia University for seven years and as supervisor in horticulture at Sterling Forest for seven years.

Lest tulip lovers fear that with the retirement of the Netherlands-born Mr. van Zadel will go their favorite

blooms, native New Yorker Beckley has given assurance that he is also a bulb enthusiast, having planted and designed a showing of 26,000 at Columbia. This spring's tulips will be pink, interspersed with blue grape hyacinth. Later will come the familiar red geraniums in the round beds.

Gardening is a family affair for the Beckleys. Mr. Beckley's wife, Ernestine, a designer, prepares the sketches for Mr. Beckley's private landscape consulting. Two sons, James, 25, currently in the Air Force, and Stephen, 18, are gardeners. The family maverick is Susan, 23, a zoology student.

Pohorecky Reports on Alcohol Studies

Professor Larissa A. Pohorecky, a member of the physiological psychology laboratory of Professor Neal E. Miller, is a neuropharmacologist interested in learning more about the role of drugs in physiology and behavior. A current research project concerns the effects of alcoholic intake and withdrawal in rats. She gave the first report of her recent findings at the 58th Annual Meeting of the Federation of American Societies for Experimental Biology, held last month.

Dr. Pohorecky fed a group of experimental rats on a liquid diet containing alcohol (ethanol), for a period of three weeks in each trial. She then subjected some of the animals to immediate withdrawal—"cold turkey." They displayed such symptoms as body tremors, agitated reaction to sound and touch, extremely rigid body postures, and tail lifting, and sometimes convulsions. These symptoms lasted

for 24 hours. Another group, taken off alcohol gradually—tapering off over three days—showed no withdrawal symptoms. Dr. Pohorecky affirms that this research definitely shows that alcohol affects the noradrenergic neurons (nerve cells in the brain which play an important role in such body functions as breathing, body temperature, blood pressure, eating, and kidney and renal functions), and that a gradual reduction in alcoholic intake can mitigate the extreme symptoms of immediate withdrawal. But she is reticent on making comparisons with human experience at this point. She is trying to learn more about such effects of alcohol on brain biochemistry as altered receptor sensitivity and changes in enzymes. A long-range goal is the possible development of drugs that could modify the adverse effects of alcohol dependency and withdrawal distress in man. Working with Dr. Pohorecky in these studies are Assistants for Research Lee S. Jaffe and Hope A. Berkeley.



Arts and Crafts Show

The campus call to creativity, the Arts and Crafts Exhibition, habitually brings out a lively and varied response. This year's show, the first since 1971, was held in the Faculty and Students Club from April 15 to May 3 with 146 entries by 58 contributors, among them family members and patients at the Hospital.

There were many painters in many styles and mediums; a good number of sculptors, ceramists, sketchers, woodcutters, and wood-block printers; and photographers. The needleworkers were versatile and legion.

Professor Rollin Hotchkiss and his wife, Research Associate Magda Gábor Hotchkiss, displayed their skill in stained glass, as did Albin Elskus, husband of Secretary Anna Elskus, with a huge stained-glass light box. Birthe Einer-Jensen, wife of Neils Einer-Jensen of the Population Council, entered storybook collages of paper clips and old Coke cans, and Secretary Wendy Roine exhibited leaf collages. X-Ray Technologist Ann Scaparro's lovely mounted flower pictures offered a memory of yesterday, while Linda McKenna of the Development Office turned to technology for her portraits in Xerography. There were terraria, a tennis racquet cover needlepointed by Lila Magie of Personnel, and a seasonal Ukrainian Easter egg made by Hospital patient Linda Snyder. Assistant to the Dean Constance Schnurr found inspiration close to home for her sketches of the campus and of Professor René J. Dubos. Annetta Rosser, wife of Visiting Professor J. Barkley Rosser, exhibited brass rubbings taken from old English monuments. A number of exhibitors—like Graduate Fellow Robert Ziff, a painter, ceramist, photographer, and sculptor—showed their talents in two, three, and even four different mediums.

The exhibition was organized and mounted by Patricia C. Berlin, assistant to the president for interior design, whose paintings were included in the show. She was assisted by Ann C. Roudebush, secretary to Vice President C. E. Sunderlin.

BRIEFS

Professor **Stanford Moore**, Biochemistry, delivered the 1974 Theobald Smith Lecture at Albany Medical College on March 14 and was presented with a plaque by the college in honor of his service to medicine and science. He spoke on Experiments Stemming from Basic Research on Ribonuclease. The annual lecture honors the memory of pathologist Theobald Smith, who was a graduate of the medical college and a member of the scientific staff of The Rockefeller Institute for Medical Research from 1914 to 1934.

Professor **René J. Dubos**, Environmental Biomedicine, delivered the 1974 Klopsteg Lecture at the Technological Institute of Northwestern University on April 16. He spoke on Man-Made Environments: the Symbiosis between Man and Nature. The Klopsteg Lectures are named for Paul E. Klopsteg, professor emeritus of applied science at Northwestern.

Dr. **Detlev W. Bronk** has been appointed a Sherman Fairchild Distinguished Scholar at the California Institute of Technology.

Artist Writes Play

Chief Artist Nathalie Marshall, Graphic Services, who is also a poet and playwright, has written and directed a religious drama, *Evoke the Wind*, which will be performed on Wednesday, June 5, at 8 P.M. at the Cathedral Church of St. John the Divine, 110th Street and Amsterdam Avenue. All are invited.

APPOINTMENTS

Edward L. Gershey was appointed assistant professor, March 1, in the virology laboratory of Professors Igor Tamm and Purnell W. Choppin. Dr. Gershey, a cell biologist, was formerly on the staff of the Population Council.

DEATHS

April 20, **Robert E. Hull**, 61, who served as supervisor of janitorial services from 1967 to 1973.

April 21, **Viola Kantrowitz Tatum**, 55, wife of Professor Edward L. Tatum. Mrs. Tatum had taught in the public school system in New York.

Two Get Guggenheims

Professors Joel Feinberg, Philosophy, and Edward Reich, Chemical Biology, have been awarded Guggenheim Fellowships for 1974. Dr. Feinberg's proposed subject concerns studies of concepts of justice and truth. Dr. Reich will be conducting a biochemical and pharmacological study of arrow poisons used by Bushmen in southern Africa. Professor Mark Kac, Mathematics, served as a member of the Guggenheim Committee of Selection.

LIBRARY EXHIBIT

Papers and memorabilia left to the University by Duncan A. MacInnes will go on exhibit in the Library on May 15. The exhibit is one in a series drawing on the University Archives.

Dr. MacInnes, an outstanding figure in the field of electrochemistry, was associated with this institution from 1926 until his death in 1965.

REPORT ENERGY *continued from page 1*

for less heavily soiled items. The elimination of one nonessential flush cycle alone has effected a saving of 2,500 gallons of water a week.

"While these results are very encouraging," a committee representative points out, "there still remain efficiency measures which could mean considerable further savings, with a little cooperation from each member of every lab and service." In the labs, for example, a glassware washer using distilled water consumes \$1.46 worth of energy per load, whether the washer is full or has three pipettes in it. (A single 15-minute wash cycle uses enough energy to make half a ton of ice!) The committee earnestly requests that washers be *fully loaded* when they are run. As another example, one 30-watt fluorescent desk lamp, which provides more than adequate lighting for an individual worker, uses 3,000 watt-hours per day less than the three four-tube overhead fixtures (480 watts' worth).

During the coming warm weather season considerable economy can be effected by the judicious use of air-conditioning equipment. A member of the committee will be happy to meet with any group or individual to advise and consult on specific problems.

The members of the energy committee are: Majid Azzu, assistant to the superintendent of buildings and grounds, Roger C. Elliot, director of administrative services, Paul R. Penn-dorf, superintendent of buildings and grounds, and James J. Stewart, superintendent of purchase and supply.