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Faculty Appointments Announced

Twenty-three new professorial appointments have been announced.

PROFESSORS

Hiroshi Asanuma, *neurophysiology*
Hidesaburo Hanafusa, *viral oncology*

ASSISTANT PROFESSORS

Donald E. Bergstrom, *organic chemistry*
William J. Black, *biochemical cytology*
Elias Greenbaum, *biochemistry*
Arabinda Guha, *biochemistry*
Donald G. Lindmark, *biochemical cytology*
William J. Mitchell, *logic*
Thomas G. Pickering, *physiological psychology*
Hugh D. Robertson, *genetics*
Robert Shapley, *biophysics*
Anthony Zee, *theoretical physics*

VISITING PROFESSORS

Shing S. Chern, *mathematics*
Seymour Papert, *mathematics*
Daniel N. Tapper, *physiological psychology*
Kenneth M. Watson, *theoretical physics*

VISITING ASSOCIATE PROFESSORS

Leonard I. Goldman, *bacteriology and immunology*
Anne Gounaris, *organic chemistry*

BUILDINGS AND GROUNDS MOVES TO PLAZA BUILDING

The office of Buildings and Grounds has moved to new quarters on the esplanade level of the Plaza Building, which is situated between the Tower and Gasser Hall. Secretaries Wendy Roine and Erika Mueller now greet visitors in an entrance office of red walls and tweed and walnut furnishings. Superintendent Paul R. Penndorf, Associate Superintendent Albert W. Schall, and Assistant Superintendent Kenneth C. Schmitt each have individually color-coordinated offices. The drawing tables of Designer Thomas J. Ralin and Draftsmen Manuel Vargas and Wilfred Perez can be found in a spacious workroom with lemon-yellow accents and a good view of the river. A brief stopover confirms that Buildings and Grounds is still one of the busiest spots on campus.

Keiji Igi, *theoretical physics*
Geoffrey Kellerman, *chemical biology*
James T. Townsend, *mathematical psychology*

Two new adjunct professors from neighboring institutions are Robert A. Good, president of the Sloan-Kettering Institute for Cancer Research, and Kenneth L. Zierler, director of the Institute for Muscle Disease.

Symposium in Vienna

Professors E. G. D. Cohen, Kenneth M. Case, Mark Kac, and George E. Uhlenbeck, and President Seitz were among a small group of internationally distinguished physicists and mathematicians invited to participate in a symposium, held September 4-8, commemorating the 100th anniversary of the Boltzmann Equation. The meeting was held in Vienna, the native city of Ludwig Boltzmann, a 19th century Austrian physicist who made significant contributions to the kinetic theory of gases and to statistical mechanics. The talks presented reviewed the present status of problems which emerged from Boltzmann's discoveries. The suggestion came from Rockefeller University which was one of the sponsoring organizations. Dr. Cohen served on the organizing committee.

New Fellows on Campus

Twenty new graduate fellows, 14 men and 6 women, are settling in on campus. Another 5 young men have joined the six year Ph.D.-M.D. program begun last year as a joint venture of Rockefeller University and the Cornell University Medical College.

Coming the farthest and the latest is Pravinkumar Bhagatram Sehgal. He will arrive in January when he has completed his medical training at the Seth G.S. Medical College at the University of Bombay. Victoria Iwanij, who was born in Kiev, received a degree in biology from Warsaw University. She is now a permanent resident of the United States.

Three of the new fellows are doctors

Now Playing at Caspary

A new film series, "Pioneers of Modern Painting," prepared and narrated by English art historian Sir Kenneth Clark (of "Civilisation"), is currently being shown in Caspary Auditorium. The first two of the six films were shown in September. The remaining four are each scheduled to be screened twice, at noon on Thursdays and at 1 P.M. on Fridays, through October. The 19th century artists examined are Manet, Cézanne, Monet, Seurat, Roussseau, and Munch. The series was produced originally for British television and is being distributed in this country by the National Gallery of Art through a grant from the National Endowment for the Humanities.

of medicine. They are Rafael Emilio Galland Mira y Lopez and his wife Nadia, who both come from the Faculdade Medicina Universidade Federal do Rio de Janeiro, and Jean-Dominique Vassalli, who comes from the Faculté de Médecine of the University of Geneva. Miguel Angel Pérez Angón is a doctor of science from Mexico's Centro de Investigación del Instituto Politécnico Nacional. Rocky Sung-Chi Tuan from Berea College, Kentucky, comes originally from Hong Kong, as does Fulton Fook-Chan Wong, a graduate of the University of Redlands in California. Dana John Giulian from the University of Wisconsin spent the past year in India, sponsored by the Wisconsin Year in India Program, studying aspects of public and private health practices. At a hospital for lepers he observed surgical and drug treatments and sought to analyze "the sociological effects of leprosy control on patients, families, doctors, administrators, and politicians." In isolated rural villages he examined the influence of modern health programs on traditional folk medicine.

Completing the group are:

George Barany, *New York University Courant Institute*
Lily Christine Anne Conrad, *University of California at Irvine*

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New Librarian Named

Rockefeller University has a new head librarian—Charles Robin LeSueur. Formerly librarian at Stevens Institute of Technology in Hoboken, New Jersey, Mr. LeSueur officially took over his new post on October 1.

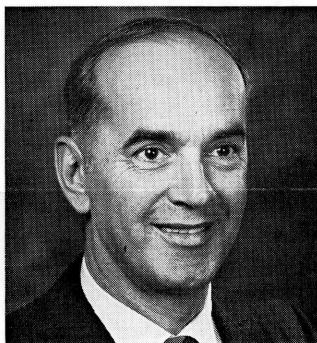
In announcing the appointment, President Seitz expressed his appreciation to Professor Alfred E. Mirsky, who had served as librarian since January 1965 in addition to maintaining a full schedule of academic and research activities. At Dr. Seitz's request, he continued as librarian after his retirement in 1971 until a successor could be appointed.

Since 1965, the library's collection has expanded from 60,000 books to 158,000 and now covers a much wider range of subjects, particularly in mathematics, physics, philosophy, and behavioral biology. The staff has grown from 7 members to 22. When Dr. Mirsky became librarian, there was a backlog of 6 months in cataloging. Today a book is usually cataloged within 36 hours, whereas other libraries generally require at least 4 months. The library also acquired a teletype to expedite inter-library loans. Requests are processed on the same day they are received. Another innovation was the establishment of a formal cooperative relationship with the libraries at Cornell University Medical College and

the Sloan Kettering Institute for Cancer Research whereby staff members of each institution may use the libraries of the others for reference work merely by showing their identification cards.

President Seitz also announced that Sonia W. Mirsky would continue as associate librarian, a post in which she has been directly responsible for implementing most of the changes that have been made since 1965.

Mr. LeSueur became librarian at Stevens in September 1968, where he



CHARLES ROBIN LE SUEUR

supervised the completion of a new library building and the implementation of a major expansion program. Before that, he was associate curator of the New York University Libraries and librarian of its School of Engineering and Science.

Mr. LeSueur is a native of Sarnia, Ontario. He received the degrees of bachelor of arts and bachelor of social work from the University of Toronto and holds a master's degree in library science from Columbia University.

Art Classes Resume

The University's regular fall series of art classes begins October 12. All members of the campus community are welcome, on a first-come, first-served basis, and no previous experience is required. (This year, if space permits, the invitation will be extended to our neighbors at the New York Hospital-Cornell Medical Center.) Instruction is given in basic and advanced drawing and watercolor by J. Forest Vey, who also teaches at Hunter College and at the Polytechnic Preparatory School in Brooklyn. If there is sufficient demand, instruction in wood carving will be added. Sessions are held Thursdays from 7 to 9:30 p.m. in the recreation room of the Graduate Students Residence. A nominal charge of \$25 is levied for the 15-class series. Further information may be obtained from Professor Walther F. Goebel or from Erna I. Olbert (extension 1312).

Wednesday and Sunday Concerts Scheduled

The regular Wednesday evening Rockefeller University subscription concert series begins on October 11 with the American Brass Quintet.

The schedule for subsequent Wednesday evening subscription concerts is: The Paniagua Quartet from Madrid in a program of Medieval and Renaissance music performed on copies of the original 12th to 16th century instruments (October 25); Kun Woo Paik, pianist from Korea (November 8); Les Menestriers, a French quintet singing and playing music of the Middle Ages and Renaissance (November 22); Bruce Hungerford, pianist, in a Beethoven program (December 6); Musica Reservata, a Christmas concert by a choral group under the direction of Margherita Hastings (December 20); Veronica Luckey, coloratura soprano (January 17); The Fine Arts String Quartet in a program of Mozart, Mendelssohn, and Beethoven (January 31); The Festival Winds in a program of Telemann, Händel, Boismortier, and Vivaldi (February 14); Gerle-Neely Duo, violin and piano sonatas (February 28); Alberto Reyes, pianist from Uruguay (March 14); the New York Chamber Soloists in a program of Händel, Purcell, Vivaldi, and the Bach Brandenburg Concerti 2 and 5 (March 28); the Borodin String Quartet from Moscow in a program of Borodin, Stravinsky, and Tchaikovsky (April 11); John Browning, pianist (April 18); and Gayle Smith, cellist (May 16).

All programs start at 8 p.m. in Caspary Auditorium. As in previous years, a concert night buffet dinner will be served in Abby Aldrich Rockefeller Hall from 6 p.m. Reservations should be placed before noon on the preceding Monday by calling extension 1257. Students may use food service scrip for the buffet, and diners may bring their own wine.

SUNDAY CONCERTS

Also scheduled for this season is a Sunday afternoon concert series which will be free and require no tickets. The notable artists who will be performing are: Alberto Portugheis, South American pianist now residing in London (November 19); Emanuel Ax, pianist (January 21); Robert Day Allen, cellist, and Helen Ghiradella, pianist (February 11); Speculum Musical, a contemporary chamber music group (March 18); and Zsigmondy, violinist, and Nissen, pianist (April 1).

NEW FELLOWS continued from page 1

Elizabeth Dickson, *Carleton University, Ottawa*

Jeffrey S. Geronimo, *State University of New York at Albany*

Carol Chaia Halpern, *Hunter College of The City University of New York*

Norman Kagan, *Stanford University*

Jonathan Karn, *Yale University*

Paul Alvin Lefebvre, *University of Virginia*

Eileen M. Mahoney, *The City College of The City University of New York*

Robert Milner, *Balliol College, Oxford University*

Richard Guido Piccioni, *University of California at Irvine*

Those participating in the Rockefeller-Cornell Biomedical Sciences Program are:

Jonathan Allen Cohn, *Harvard College*

Ronald Jay Koenig, *Yale University*

Steven Richard Meshnick, *Columbia College*

Samuel Michael Silver, *Brandeis University*

Steve Seev Sommer, *University of Pennsylvania*

Progress Reported on Gonorrhea Studies

The University has a long history of research on such bacteriological pathogens as the pneumococcus, streptococcus, and staphylococcus. Two years ago, under the overall direction of Professors Maclyn McCarty and Richard M. Krause, work began on studies of the related gonococcus, the gonorrhea-producing agent. Gonorrhea is the number one infectious disease in the United States and a problem of epidemic proportions world wide. (Dr. Krause has helped organize workshops on gonorrhea and syphilis for the National Institute of Allergy and Infectious Diseases of the National Institutes of Health.) In September, the Max C. Fleischmann Foundation granted the University \$126,888 to help support further study concentrated in two areas: the identification of those factors responsible for making individuals susceptible or immune to gonorrhea, and development of methods for epidemiological studies concerned with controlling the disease.

Directly in charge of this research is Professor Emil C. Gotschlich, whose previous work in helping to develop vaccines against cerebrospinal meningitis has resulted in a significant reduction in the disease in military camps. (Tests are now underway to determine the safety and effectiveness of these vaccines for children.) Assisting Dr. Gotschlich with the gonococcal studies are Postdoctoral Fellow

Thomas M. Buchanan and Research Associate Kenneth H. Johnston.

Further knowledge of the gonococcus and of the immune response to it are essential in developing better means of control. Currently, attention is being directed at the antigens (materials which can stimulate an immune response) of the filamentous structures which protrude like bristles of a brush from the outer surface of the gonococcus. These protrusions are called pili. They have been highly purified and a sensitive test has been developed to detect antibodies in patients who have had gonorrhea.

NEW TEST DEVELOPED

Public health workers estimate some two million cases of gonorrhea a year, with an estimated annual increase of 15 percent. A major stumbling block to reduction and elimination of the disease has been the difficulty of detection. About 70 percent of infected women and a smaller percentage of infected men never develop symptoms of illness. Ignorant of their condition, they do not seek medical help. They can and do, however, infect others. What has been needed is a simple, quick, reliable blood test which can be used to screen large populations.

Thomas M. Buchanan is a medical researcher specializing in the problems of bacteriological disease. After completing his medical degree at the University of Washington in Seattle and his internship and residency at Massachusetts General Hospital, he served for two years with the Center for Disease Control in Atlanta. At that point he decided that Rockefeller University's bacteriology and immunology lab was "one of the two or three places in the world" where he could best learn to do the kind of research that interests him. In 1971 he asked to join the lab and was taken on as a postdoctoral fellow.

On May 1 of this year Dr. Buchanan reported to The American Society for Clinical Investigation that he and his laboratory colleague, Professor Emil C. Gotschlich, working with Dr. John Swanson of the Department of Microbiology of the Mount Sinai School of Medicine, had isolated a highly purified protein antigen from the surface of the gonococcus and with it had developed an apparently effective serological test for gonorrhea. In their test, called an antigen-binding assay, the antigen is tagged with a radioactive isotope of

PERSONAL MENTION

Born, May 10, to **Vittorio Cardinale**, accountant, and his wife, Irma, formerly with Media and Glassware Service, their second son, Richard.

Born, June 13, to **Ichiro Yahara**, research associate in molecular biology and immunology, and his wife, Michiko, a daughter, Natsuko, their first child.

Annie Chin, an assistant for research in the laboratory of Dr. Edward Reich, was married on June 22 to Thomas Chu, a junior high school mathematics teacher.

Denise J. Koslow, library assistant, was married August 13 to James M. Casey, a law student.

Born, August 16, to **Abraham Amsterdam**, research associate in cell biology, and his wife, Michal, a son, Asaf, their third child.

Susan S. Leigh, an assistant for research in the laboratory of Dr. Attallah Kappas, was married August 19 to Ronald G. Peters, who works for the First National City Bank.

IN PRINT

In his most recent book, *A God Within*, published September 7 by Scribner's, Professor René J. Dubos asserts his belief in mankind's ability to create a fulfilling future through a deeper understanding of natural law and of human nature. "The preclassical and classical Greeks symbolized the hidden aspects of man's nature, in particular the forces that motivate him to perform memorable deeds, by the word *entheos*—a god within. . . . The continued growth of civilization depends upon the discovery of the hidden qualities in human and external nature and upon their integration into new viable social structures." *A God Within* has been chosen as a Book-of-the-Month Club alternate, and as a selection of the Psychology Today Book Club and of The Library of Science Book Club.

iodine (iodine 125). The antigen is incubated with the serum from a blood specimen and antibodies then bind with the antigen. Virtually all persons infected with gonococci for at least two weeks have high levels of antibodies in their blood. The test can determine these levels accurately by radiation count. After preliminary trials with 350 subjects, Dr. Buchanan and his coworkers have found their test to have extremely fine quantitative reliability and to have the further advantage of requiring very small amounts of sera. It utilizes an antigen that is specific to *Neisseria gonococcus*, the gonorrhea organism, while less purified antigens can also react with antibodies directed against meningococcal antigens.

Although early results are extremely encouraging, wide-scale testing is required for verification. This has already begun. Dr. Buchanan recently received funding from the U.S. Public Health Service to test several thousand subjects over the next year. If initial findings are corroborated, it is hoped that test centers can eventually be organized in all major population areas.

Elect New Trustee

James A. Linen, chairman of the executive committee of Time Inc., has been elected to the University's board of trustees.

Mr. Linen joined the *Time* magazine staff upon graduating from Williams College in 1934. In 1938 he was assigned to the advertising department of *Life* and became its advertising manager two years later. In 1941 he joined the U.S. Foreign Information



Service (later to become the Office of War Information). His final wartime assignment was as head of the OWI in Italy and the Balkans.

In November 1945, Mr. Linen became publisher of *Time*, a position he held until elected president of Time Inc. in April 1960. He has been chairman of the executive committee since August 21, 1969.

Mr. Linen is chairman of the board of Athens College in Greece, a trustee of Williams and of the Asian Institute of Technology, and an honorary trustee of Adelphi University. Other positions he holds include president of the National Urban League and board chairman and president of the International Golf Association. Mr. Linen is also a member of the Emergency Committee for American Trade, of the Joint Committee on U.S.-Japan Cultural and Educational Cooperation for the State Department, and of the Council on Foreign Relations. He has been decorated by the King of Thailand for services rendered that country in education and other fields.

NEUROSCIENCES MEETING

Professors Gerald M. Edelman, Sarah F. Leibowitz, Bruce S. McEwen, and Donald W. Pfaff, and Research Associate Patricia G. Spear presented papers at the Third Intensive Study Program in the Neurosciences in Boulder, Colorado, July 24–August 11. Professors Neal E. Miller and Paul A. Weiss, program associates, also attended. Dr. Weiss led a lecture-discussion series.

BRIEFS

Professors **Bruce S. McEwen**, Neurobiology, and **Jay M. Weiss**, Psychology, delivered invited papers at a symposium on Drug Effects on Neuroendocrine Regulation, held in Snowmass, Colorado, July 16–19. This was a satellite meeting of the International Congress of Pharmacology held this year in San Francisco. Dr. McEwen also spoke at the meetings of the NATO Advanced Study Institute on Proteins of the Nervous System, held September 10–17 in Cortona, Italy. From there he flew to Tokyo for a seminar on Long Term Effects of Perinatal Hormone Administration in Mammals.

Professor **Philip Siekevitz**, Cell Biology, served on the program committee for the fifth annual Saratoga Conference on Molecular Biology and Pathology, held August 7–11 at Skidmore College, under the cosponsorship of the Albany Medical College and the journal, *Experimental and Molecular Pathology*.

Professor **Bruce Merrifield**, Biochemistry, was awarded an honorary doctor of science degree from the Medical College of Ohio on June 15.

President Seitz received an honorary doctor of science degree from the University of Illinois on June 10. He was associated with the University of Illinois from 1949 to 1965.

Trustee **William O. Baker**, vice president for research at the Bell Telephone Laboratories in Murray Hill, New Jersey, has been elected to membership in the Institute of Medicine of the National Academy of Sciences.

Professor **Frank H. Field**, Physical Chemistry, took office as president of the American Society for Mass Spectrometry on July 1. He has been serving as vice president since 1970.

Treasurer **Sydney A. Woodd-Cahusac** has been appointed to the Committee on Medicine and Law of the Association of the Bar of the City of New York.

Professor **Neal E. Miller**, Physiological Psychology, served as cochairman of a symposium on Control of Internal States and Visceral Responses at the 20th International Congress of Psychology in Tokyo, August 10–19. He presented a paper and gave invited

Biomedical Seminars

The Biomedical Science Seminars, a new joint project of Rockefeller University and neighboring Cornell University Medical College, began September 19 with the first in a series of talks on The Hemoglobinopathies. Ralph Nachman, professor of medicine at Cornell, spoke on The Erythron.

Other speakers in the series are: Richard A. Rifkind, professor of medicine, Columbia University, on Erythropoiesis and Cell Differentiation (October 3); Arthur Bank, associate professor of medicine, Columbia, on The Synthesis of Globin Chains (October 17); Helen M. Ranney, professor of medicine, State University of New York, on The Structure and Physiology of Hemoglobin (October 31), and on The Structure and Fate of Abnormal Hemoglobins (November 14); Professors Anthony Cerami, Peter N. Gillette, and James M. Manning of Rockefeller, on Current Strategies of Diagnosis, Prevention, and Therapy (December 5).

A second series, Human Genetics, will begin in January. The seminars are open to all members of the Rockefeller-Cornell community. They begin at 2 P.M. in room 301 of the University's Tower Building.

Staff Appointments

Arthur F. Hubbard, who has been serving as deputy assistant treasurer since 1969, has been appointed assistant treasurer. Mr. Hubbard came to the University in 1962 as assistant to the treasurer. He holds a bachelor's and master's degree in accounting from St. John's University.

Harold R. Mattsson is the new supervisor of the Rockefeller University Press Order Service. He was previously with *Travel Trade* magazine.

NEW TEACHERS

The Children's School has three new teachers this fall: Elizabeth Hixson, who is in charge of the A group—the youngest children—and of the school's reading program; Tina Piehler, who has the older children of C group and is leading the math and science studies; and Theodora Roerkohl, who is working with music and dance.

lectures in Tokyo and in Kyoto. Dr. Miller was the subject of a two-part profile by Gerald Jonas which appeared in the August 19 and 26 issues of *The New Yorker*.