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The Rockefeller University

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News and Notes

The Rockefeller University

October-November 1986
Volume 18, Number 1

New Tax Law Affects Pensions

The tax reform act of 1986 will have an effect on University employees' ability to tax-shelter savings for retirement.

There are two tax-deferred annuity plans. The first is the supplemental retirement annuity (SRA), by which employees can divert a certain percentage of their income to retirement savings before payment of taxes. The second is the QVEC shelter plan, which is similar to individual retirement accounts (IRA), whereby \$2,000 can be set aside annually, also tax deferred. Both plans are invested through the Teachers Insurance and Annuity Association/College Retirement Equities Fund (TIAA/CREF).

The new law will restrict the amount of money that can be sheltered. The maximum for the SRA is expected to be reduced to \$9,500, and will have a tax penalty if funds are withdrawn before 59½ years of age. The QVEC may no longer be used for investment of tax-sheltered funds.

The Personnel Office emphasizes that these changes will not take effect until January 1, 1987 and that there is still time to consider tax-sheltered savings. University employees are urged to consult with the Personnel Office before December 1.

Armin C. Braun 1911-1986

Professor Emeritus Armin C. Braun, a plant biologist whose research with plant tumors presaged the discovery of oncogenes in animal cancers and pioneered methods for agricultural genetic engineering, died on September 2, three days before his 75th birthday, in Princeton, New Jersey.

In work that began at The Rockefeller more than 40 years ago with crown gall tumors induced in plants by bacteria, Dr. Braun demonstrated that tumor cells arise as the result of the activation of normally suppressed systems that are involved in the promotion of cell growth and division. He identified specific substances in plant tumors that are coded for by what are now recognized as oncogenes, or cancer genes. His studies further showed that the tumorous state is not necessarily irreversible in cells, as had been believed for many years.

Born in Milwaukee, Wisconsin, on September 5, 1911, Dr. Braun received a B.S. in 1934 and a Ph.D. in 1938 from the University (continued on page 2)

RU-Hughes Agreement Signed

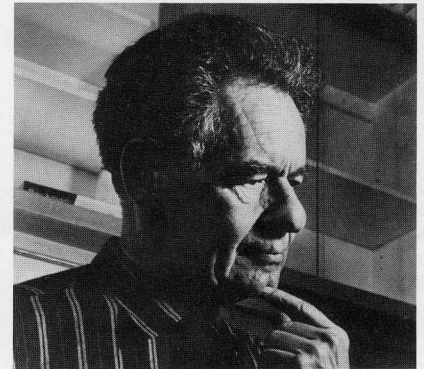
A formal collaboration agreement between The Rockefeller University and The Howard Hughes Medical Institute was signed on August 12. Under the terms of the agreement, Hughes will fund its share of the building of a new laboratory facility on the Rockefeller campus and will support the research of investigators who will be selected jointly by the University (consistent with all current policies) and the Hughes Institute:

The Hughes Institute, with headquarters in Bethesda, Maryland, was established in 1953 as a medical research organization involving long-term arrangements with institutions conducting research in fields such as immunology, cell biology and regulation, and neuroscience.

President Lederberg has announced the appointment of Günter Blobel as a Hughes Investigator. Dr. Blobel has been a member of the Rockefeller faculty since 1967 and a professor since 1976. His research has contributed important insights concerning the process by which newly synthesized proteins are transported across cellular membranes.

Holiday Festivity

The University's annual holiday festivity, hosted by President and Mrs. Lederberg, will be held on the 17th floor of the Tower on December 19 from 3 to 5 P.M.



Fritz Lipmann

Fritz Lipmann 1899-1986

On July 24, Professor Emeritus Fritz Lipmann died at the age of 87. A member of the Rockefeller faculty since 1957, he had been actively running his laboratory and conducting research until shortly before his death.

One of the world's most revered biochemists, Dr. Lipmann was awarded a Nobel Prize in 1953 for his discovery of coenzyme A, a key substance in the process by which the living cell converts food into energy. In 1966, he received the National Medal of Science, the nation's highest award for scientific achievement. Among his many associations, he was a member of the National Academy of Sciences, a fellow of the Danish Royal Academy (continued on page 4)



At the September 22 luncheon welcoming the University's new students, from left, Chairman of the Board of Trustees William O. Baker, President Lederberg, Jessica Hopfield, David Sternberg, Susana Cohen-Cory, John Seykora, Alessandro Monge, Kent Nastiuk, Fong-Ying Tsai, Matthew Garrison, Robert Kovelman, Charles Epstein, Daniel Kessler, Frederick Jones, Anne Hermanowski, Olaf Sporns, Sanjay Joag, Fumiaki Katagiri, Frank Kuo, Elizabeth Mendez, Mark Benedyk, and Professor and Associate Dean Mary R. Rifkin. Not pictured, Gerd Blobel. David Edwards, Barbara Kázmierczak, Zenta Walthers, and Lorin Weiner. (See page 3.)

Armin Braun

(continued from page 1)

of Wisconsin. He joined The Rockefeller's animal and plant pathology laboratory, then in Princeton, in the same year. He was named head of the laboratory of plant biology in 1955 and professor in 1959. He became emeritus in 1981.

A member of the National Academy of Sciences and an honorary member of the Harvey Society, he was awarded the Charles Leopold Mayer Prize, the highest award of the French Academy of Sciences, in 1982.

Dr. Braun was the author of more than 100 scientific papers and three books, *The Cancer Problem: A Critical Analysis and Modern Synthesis* (1969), *The Biology of Cancer* (1974), and *The Story of Cancer: On Its Nature, Causes and Control* (1977).

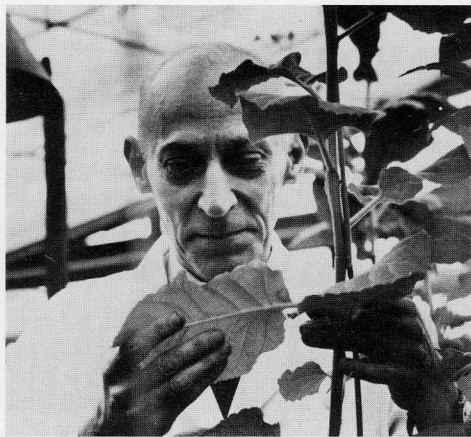
"Armin Braun's legacy was based on three gifts," says Professor Henry Wood, a laboratory colleague for 27 years, "how to see the heart of a problem, that simple experiments using simple tools can give rise to seminal concepts, and that only truth is the goal of research."

The volunteer science-teaching program at P.S. 183, 419 East 66th Street, is now in its seventh year.

To continue its success, the program needs volunteers to introduce and demonstrate principles of biology, chemistry, and physics to children in kindergarten and grades 1-6. Each volunteer teaches only four to five hours during the school year and previous teaching experience is not necessary. Those interested should call Dr. William Jack, extension 7608.



Music lovers from The Rockefeller, New York Hospital, and Memorial Sloan-Kettering Cancer Center were treated to a summer series of tri-institutional concerts, held in Memorial's Sloan House. The concerts, which were organized by Professor Alexander Mauro, were made possible by a \$1,000 gift from Dr. Thomas Mickle, Jr., dean of Cornell University Medical School, and by the donation of a piano by Dr. Richard Rivkin of Memorial. Featured pianists were Yu-Chia, Alvina Chu, pictured above, Roriane Schrade, and William Wolfram.



Armin C. Braun

Briefs

Professor **Günter Blobel**, Cell Biology, was a speaker at the fifth Summer Symposium in Molecular Biology at Pennsylvania State University. His topic was "Nuclear Pore Complexes and Lamina: Recent Progress."

Professor **E.G.D. Cohen** gave five lectures on "Light and Neutron Scattering of Fluids in Equilibrium" at the 1986 Advanced Summer School in Physics, organized by the Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional in Mexico City, June 16-20. Previous lecturers at the school were Professor **M.A.B. Bég**, Professor Emeritus **George Uhlenbeck**, and Rockefeller alumnus Professor **Ronald Fox**, now at the Georgia Institute of Technology. Dr. Cohen also gave a lecture on "The Quest for the Absolute Zero of Temperature" at the Instituto Politécnico Nacional as well as at the Universidad Nacional Autónoma de Mexico in Mexico City.

Professor **Christian de Duve**, Biochemical Cytology, was one of the speakers at the Juan March Foundation's series, "Molecular Medicine," held in Madrid, May 19. His topic was "Lysosomes and Medicine."

Dr. de Duve and Adjunct Professor **Samuel Silverstein**, John Dalton Professor and Chairman, Department of Physiology, Columbia University College of Physicians and Surgeons, were appointed to the newly created Scientific Advisory Panel of the Medical Research Institute of The Mary Imogene Bassett Hospital, Cooperstown, New York. The institute is directed by **William E. Bowers**, a 1966 Ph.D. recipient and former member of Dr. de Duve's laboratory.

Professor **Louise Dolan**, Theoretical Physics, was an invited speaker at the Aspen Center for Physics Workshop on String and Super-

string Theory, June 23-July 13, the XXIII International Conference on High Energy Physics held at the University of California, Berkeley, July 16-23, the NATO Advanced Research Workshop on Super Field Theories, in Vancouver, British Columbia, July 25-30, and the 10th Johns Hopkins Workshop on Infinite Lie Algebras and Conformal Invariance in Condensed Matter and Particle Physics, in Bad Honnef, West Germany, September 1-3. Her topics included the symmetries and unitarity properties of unified string theories describing the fundamental interactions of high energy physics. Professor **Mark Rubin**, who joined the laboratory on September 1, was also a featured speaker at the Aspen workshop.

Vice President and Treasurer **David J. Lyons** served as one of seven participating witnesses at a hearing on Scientific Research and University Finances, held by the Science Policy Task Force Committee on Science and Technology of the U.S. House of Representatives, on September 16 and 18, in Washington, D.C. A major objective of the task force, according to a statement by its chairman, Representative Don Fuqua, is to review the financial health of American universities and their future ability to sustain a major part of the country's research enterprise.

Professor **Donald W. Pfaff**, Neurobiology and Behavior, delivered a plenary lecture, "Mechanisms of Steroid Hormone Actions in Controlling Behavior," at the triennial International Congress of Physiological Sciences, in Vancouver, British Columbia, July 16.

Professor **Shigeru Sassa**, Metabolism-Pharmacology, served as chairman of the Gordon Research Conference on the Chemistry and Biology of Pyrroles, which celebrated its 20th anniversary this year, at Brewster Academy, Wolfeboro, New Hampshire.

Trustee **Stephen Stamas**, formerly a vice president of Exxon Corporation, has been named president of The American Assembly, an affiliate of Columbia University, which holds nonpartisan assemblies and publishes books addressing issues of United States policy. He will continue to serve as president of the New York Philharmonic.

Professor **Igor Tamm**, Virology, delivered a speech, "Sabin at the Rockefeller," at a scientific symposium in honor of Albert B. Sabin's 80th birthday, held on August 26 at the Lister Hill Center of the National Institutes of Health, Bethesda, Maryland. The symposium was sponsored by the National Institute of Allergy and Infectious Diseases and the Fogarty International Center. Dr. Sabin, the developer of the polio vaccine named for him, was associated with the University from 1934 to 1939.

Granick Honored

An international roster of speakers honored a biochemist and plant biologist who spent 38 years at The Rockefeller until his death in 1977. The Sam Granick Memorial Symposium on Pyrroles was held on campus on July 26.

The symposium was organized by Professors Attallah Kappas, David C. Mauzerall, and Shigeru Sassa, colleagues of Dr. Granick's for many years, and chaired by Dr. Mauzerall and Dr. Sassa. The speakers were A.H. Jackson and S.G. Smith of Wales, Y. Nordmann of France, G. Padmanaban of India, R. Frydman of Argentina, S. Sano of Japan, a former member of Dr. Granick's laboratory, and George S. Drummond of The Rockefeller.

Personal comments by Dr. Mauzerall and Dr. Granick's son, Dr. Lee Granick, recalled Dr. Granick's wide-ranging interests and the productive interactions he generated with his co-workers. Dr. Padmanaban referred to Dr. Granick as his guru, which, says Dr. Mauzerall, appropriately summarized the feelings of all the participants.

Promotions

Glenn B. Stanley, Neuroendocrinology, and **Hiroshi Ueno**, Biochemistry, to assistant professor, effective July 1.

Stephen Nowicki, Animal Behavior, to assistant professor, effective November 1.

Honors and Awards

Biomedical Fellows **Richard J. Bucala** and **David A. Lepay**, who earned their Ph.D. degrees from the University in 1985 and completed the M.D. degree this spring, received awards at convocation exercises held by Cornell University Medical College on May 27. Dr. Bucala was awarded an Alfred Moritz Michaelis Prize for Efficiency in Medicine, and Dr. Lepay received the Franklyn Ellenbogen Prize in Hematology/Oncology.

Professor **Emil T. Kaiser**, Bioorganic Chemistry and Biochemistry, has been elected a Fellow of the American Academy of Arts and Sciences. He has also been selected as a recipient of a 1987 Arthur C. Cope Scholar Award from the American Chemical Society and will deliver a lecture at the society's Arthur C. Cope Symposium, to be held in New Orleans, August 30-September 4, 1987.

Vice President and Treasurer **David J. Lyons** received two awards from the National Association of College and University Business Officers (NACUBO), at its annual meeting, in Seattle, July 15. One award was the 1986

Neal O. Hines Publications Award for outstanding contributions to the publications program of NACUBO. The second was the 1986 Daniel D. Robinson Award, of which Mr. Lyons is the first recipient, for outstanding contributions to the field of college and university accounting.

Adjunct Professor **Robert K. Merton**, University Professor Emeritus at Columbia University, was awarded an honorary doctor of letters degree by the State University of New York, Albany, at its commencement on May 18 and an honorary doctor of letters degree by Oxford University on June 25.

Stapleton Appointed to Archive Center

Darwin H. Stapleton has been appointed the new director of The Rockefeller Archive Center. He succeeds Joseph W. Ernst, who is retiring after serving as director since the archive opened in 1975.

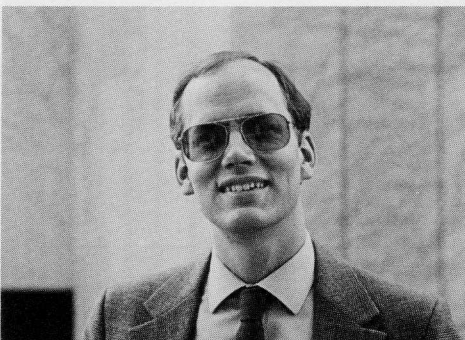
The Rockefeller Archive Center, located in Pocantico Hills, New York, houses more than 40 million historical documents of The Rockefeller University, the Rockefeller Family & Associates, the Rockefeller Brothers Fund, and The Rockefeller Foundation. In addition to collecting and preserving archival material and providing for their use by qualified scholars, Dr. Stapleton will oversee the archive's conference and seminar program.

Before his appointment, Dr. Stapleton was an associate professor and director of the program in the history of science and technology at Case Western Reserve University in Cleveland, Ohio. His publications include a booklength bibliography of the history of civil engineering, and studies of the European contributions to American industrialization and of the life and work of Federal-era architect and engineer Benjamin Henry Latrobe.

President Lederberg expressed the University's appreciation to Dr. Ernst, who served as archivist to the Rockefeller Family & Associates before his appointment as director of the combined Rockefeller archives, noting his "singular dedication to creating an invaluable resource for scholars interested in the history of science and the philanthropic endeavors of the Rockefeller family."

Dr. Ernst will continue to work at The Archive Center on the Rockefeller family papers.

Darwin Stapleton



Two veteran members of the Security Office staff, Sergeant Rosario Rosario and Security Guard John Turner, with 20 and 15 years of service, respectively, retired on July 1 and were honored at a party on June 27. From left, Security Director Edward Clarke, Mr. Turner, Mr. Rosario, Vice President David Lyons, and Assistant Director of Security Lloyd Jones.

New Students

The University's new students include 19 graduate fellows and six biomedical fellows.

The new graduate fellows, who will work toward a Ph.D., are:

- Mark Benedyk, *University of Michigan*
 - Gerd Blobel, *University of Heidelberg Medical School (West Germany)*
 - Susana Cohen-Corey, *Universidad Nacional Autónoma de Mexico*
 - Lisa Croner, *University of California, Santa Cruz; Duke University*
 - Charles Epstein, *Swarthmore College; University of Chicago*
 - Matthew Garrison, *Princeton University*
 - Jessica Hopfield, *Yale University*
 - Sanjay Joag, *Christian Medical College, Vellore (India)*
 - Frederick Jones, *Yale University*
 - Fumiaki Katagiri, *University of Kyoto (Japan)*
 - Daniel Kessler, *Cornell University*
 - Frank Kuo, *National Taiwan University, College of Medicine*
 - Robert Kovelman, *Columbia College*
 - Elizabeth Mendez, *Worcester Polytechnic Institute*
 - Alessandro Monge, *University of Pavia, Borromeo College (Italy)*
 - Kent Nastiuk, *Oberlin College*
 - Olaf Sporns, *Eberhard-Karls-Universität, Tübingen (West Germany)*
 - Fong-Ying Tsai, *National Taiwan University; National Yang-Ming Medical College*
 - Lorion Weiner, *Yale University*
- The new biomedical fellows, who will work toward a Ph.D. from The Rockefeller and an M.D. from Cornell University Medical College, are:
- David Edwards, *Utah State University (entering program in third year)*
 - Anne Hermanowski, *Yale University*
 - Barbara Kázmierczak, *University of Chicago*
 - John Seykora, *University of Chicago*
 - David Sternberg, *University of California, Berkeley*
 - Zenta Walther, *Yale University*

NYU-RU Seminars

The seventh season of the New York University-Rockefeller University Joint Program in Science and the Humanities is underway. The program consists of informal noontime talks by Rockefeller scientists at NYU and by NYU professors at The Rockefeller.

The humanities seminars, open to all members of the campus community, meet in Room 305, Tower. Coffee is served and participants are welcome to bring bag lunches.

The NYU speakers are: Randall K. White, "The Place of Art and Symbols in Human Evolution" (November 10); Kay Kaufman Shelemay, "The Musician in Society: Healer, Politician, Outcast" (December 2); Colin Eisler, "Anatomy and Leonardo" (February 4); J. Anthony Movshon, "The Brain's Representation of Visual Information" (March 3); and Barbara Heyns, "The Mandarins of Childhood" (April 8).

1986-87 Concerts

The Rockefeller University Concerts for the 1986-87 season will be presented in two series, A and B, in Caspary Auditorium at 8 P.M. on Wednesday evenings.

Series A: Viktoria Mullova, violinist (November 5); Aldo Ciccolini, pianist (December 10); Orpheus Chamber Orchestra (January 21); Tashi (Thursday, February 12); Emerson String Quartet (March 11); Dizzy Gillespie (April 8).

Series B: Camerata Bariloche (October 22); Alice Artzt, guitarist, and Igor Kipnis, harpsichordist (Tuesday, November 25); Kyung Wha Chung, violinist (January 28); Vienna Symphony Virtuosi (February 25); Benita Valente, soprano (March 25); Guarneri String Quartet (April 22); Malcolm Frager, pianist (April 29).

Deaths

Francis Binkley, 71, professor of biochemistry at Emory University, who worked in the laboratory of Professor Emeritus Walther F. Goebel from 1942 to 1946, on August 14.

Dorothy Du Casse, 64, who joined the University in 1968 as a helper in the laboratory of the late Lyman Craig and had been, since 1975, a helper in the organic chemistry and physical biochemistry laboratory of Professor William C. Agosta, on August 13.

Roland Henning, 45, professor and chairman of the department of biochemistry of Ulm University, Ulm, West Germany, who was a member of the developmental and molecular biology laboratory of Professor Gerald M. Edelman from 1974 to 1976, on August 11.

Fritz Lipmann

(continued from page 1)

of Sciences, and a foreign member of the Royal Society of London.

In 1974, on the occasion of his 75th birthday, Dr. Lipmann's colleagues and former students honored him with a symposium at the Max-Planck-Institut in Berlin, where an annual Fritz Lipmann Lecture was established. Similar symposia were held on his 80th birthday, in Paris, and on his 85th, in Tokyo. The symposia were organized by alumni of his laboratory who are now distinguished scientists in the host countries.

Of his longtime Rockefeller colleague, Professor Leonard B. Spector states: "As a scientist, Fritz Lipmann had that rare gift of unerringly picking up the scent of the attackable research topic with wide significance. This he pursued with unremitting thought and energy until it yielded. I never met anyone with his powers of concentration."

Born in Königsberg, Germany (now Kaliningrad, U.S.S.R.), on June 12, 1899, Dr. Lipmann earned an M.D. in 1924 and a Ph.D. in chemistry in 1927 at the University of Berlin. He was associated with the Kaiser Wilhelm Institute in Germany and the Biological Institute of the Carlsberg Foundation in Copenhagen. Before going to Copenhagen, he had his introduction to what was then The Rockefeller Institute for Medical Research as a 1931-32 Rockefeller Foundation Fellow.

He returned to the United States in 1939 to work with Vincent du Vigneaud at Cornell University Medical College. From 1941 until he rejoined The Rockefeller in 1957, he was associated with Massachusetts General Hospital and Harvard Medical School, which in 1949 appointed him professor of biological chemistry. Harvard later awarded him an honorary degree, one of a number he received from universities in this country and abroad, including one from Rockefeller in 1971.

Dr. Lipmann is survived by his wife, Freda, his son, Stephen, his daughter-in-law, Nancy, and his granddaughter, Anna.

Appointments

Mark A. Rubin, Theoretical Physics, as assistant professor, effective September 1.

Fight Flu

The Employee Health Office is making flu shots available to Rockefeller personnel throughout October and November, Monday through Friday, from 9 to 5, Room 118, Hospital. For information call extension 8414.



The Duke and Duchess of Westminster, center and left, welcomed to the campus by Trustee David Rockefeller on September 22. The Duke heads the Blood Cancer Foundation, which contributes to leukemia-related research at the University.

Personals

Timothy Brown, a page and porter in the Library, was married on July 12 to Cheryl Yvonne Waring.

Postdoctoral Fellow **Henry Pollack**, Microbiology, was married on August 24 to Dr. Suzanne Rosenfeld, a pediatrician at New York Hospital-Cornell Medical Center.

Editorial Apologies

The *News and Notes* coverage of the annual anniversary and retirement dinner (April-May, Pt. 2) included photographs of many happy faces, but the faces around the *News and Notes* office are red.

We apologize to Wendy Roine, whose dazzling smile graced the front page, but whose name was inadvertently left out of the listing of 25-year celebrants. Also to retiree Nicholas Danisi for stopping short the description of his 30-year Rockefeller career with his appointment as senior accountant in 1973. He went on to become chief accountant in 1975, manager of accounting in 1982, and, in 1984, assistant to the controller for physical plant operations and cost analyses.

We are gratified to hear from Mr. Danisi that he nonetheless looks forward to his copies of *News and Notes* to keep him abreast of campus events. "I remain," he writes, "a proud member of the University family."

Continuing its long-standing policy to actively support equality of opportunity for all persons, The Rockefeller University forbids discrimination on the basis of race, color, religion, sex, age, national origin, or handicap. The Administration has an Affirmative Action Program to increase the employment of women and members of minority groups in all areas of the University's activities.

News and Notes is published five times a year from October through July. This is Volume 18, Number 1. Suggestions for articles are welcome and may be sent to *News and Notes*, Box 194, phone extension 8968 or 8970. Photographs, page 1, right top, Philippe Halsman, 1961; page 1, right bottom, George Byron; page 2, center top, Ingbet Grüttner; page 2, left bottom, and page 4, John Sholtis; page 3, Mary Wagner. © 1986 The Rockefeller University, New York 10021-6399. Printed in the United States of America.