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## NEWS AND NOTES 1973, VOL.5, NO.1

The Rockefeller University

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## First Andrew Mellon Fellowships Awarded

Norton B. Gilula and Paul M. Lizardi have been awarded the first two Andrew W. Mellon Foundation Fellowships in what is to be a continuing program to seek out and support promising young researchers in the areas of basic cell biology, experimental medicine, and cellular development. The fellowships provide for both research funds and for appointment to the post of assistant professor at the University. (This program is distinct from the Richard King Mellon Foundation Fellowships, announced in June, although they are both part of an overall University program of increased postdoctoral support that will continue to expand as more endowment funds become available.)

Dr. Gilula joined the University last year as a Helen Hay Whitney postdoctoral fellow in cell biology in the laboratory of Professor George E. Palade. He received his Ph.D. in physiology from the University of California at Berkeley. His current research is concerned with intercellular communication. Dr. Lizardi is a Rockefeller alumnus (1972). For the past year he has been working in Baltimore in the Department of Embryology of the Carnegie Institution of Washington on a postdoctoral fellowship from the Jane Coffin Childs Memorial Fund for Medical Research. He returns to the Rockefeller campus on November 1.

The members of the faculty selection committee were Professors Vincent G. Allfrey, Zanvil A. Cohn, Christian de Duve, James G. Hirsch, David J. L. Luck, who served as chairman, and Philip Siekevitz. (A new committee will be formed each year.)

## SECOND ANNUAL ERC BALL

The second annual all-campus ball, sponsored by the Employees Representative Committee, will be held on Friday, November 2. Tickets may be obtained at the Founder's Hall reception desk.

## University Forms Advisory Council

Fifty-three leaders in the fields of business and industry, publishing, law, finance, labor, government, and community affairs have accepted membership in a new advisory council to assist the University in increasing public understanding of its programs and objectives. James A. Linen III, chairman of the Executive Committee of Time, Inc. and a trustee of the University, is chairman of the group known as The Rockefeller University Council.

In announcing formation of the council, David Rockefeller, chairman of the University Board of Trustees, and President Seitz noted that the University has never systematically sought wide popular awareness of the impact of its work on the lives of people everywhere. "We are delighted," they stated, "that such distinguished men and women from throughout this country and abroad have so enthusiastically committed themselves to acting as consultants in areas of their expertise pertinent to the institution's advancement and to becoming informed ambassadors in carrying its story to a wider audience."

Citing the growing lack of appreciation of basic research in both the public and private sectors, President Seitz said the council is the University's

"way of communicating its accomplishments and aspirations and of dramatizing, in turn, the imperative importance of science as an essential foundation of our nation's progress."

The council is planning the first gathering of its full membership in January, with meetings to be scheduled once or twice a year thereafter. At these full-day sessions, the members will tour laboratories and hear presentations by members of the faculty on programs of basic research, clinical investigation, and advanced education. In their consultative capacities, the members will also serve through small task forces and on an individual basis. At full strength, the council is expected to number at least 60. Members enlisted to date are:

Ralph E. Ablon, chairman and president, Ogden Corporation; Susanna Agnelli, New York; Albert M. Baer, chairman, Imperial Knife Associated Companies, Inc.; Karl R. Bendetsen, chairman, Executive Committee, Champion International Corp.; Frances F. Brody, Los Angeles; Edgar M. Bronfman, president, Distillers Corp.-Seagrams Ltd.; Donald C. Burnham, chairman, Westinghouse Electric Corp.; Robert M. Coles,

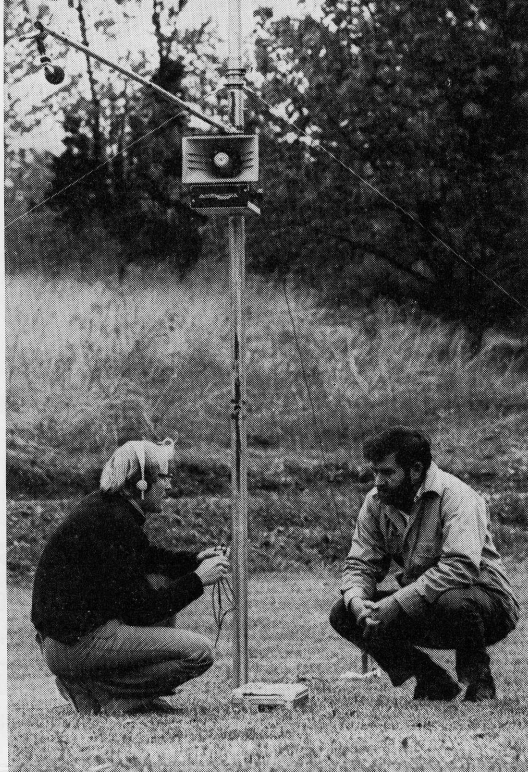
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*Field Research Center for Ecology and Ethology, Millbrook, N.Y. (See page 2.)*



Laboratory Technician Linda Hobbet and "Ubiquitous".



Frequencies for bird songs: Ken Marten (left) and Peter R. Marler.



Fernando Nottebohm and a splendor of parrots.

## Just 90 Minutes from York Avenue

It's not the Serengeti plain or the Amazon jungle, and the approach to it is by a network of expressways and a mile or two of dirt road. But the University's Field Research Center for Ecology and Ethology at Millbrook, New York, makes possible a unique integration of laboratory and field station not available in many more exotic locales where behavioral scientists are at work.

On the center's 950 acres of undisturbed meadows, open slopes, and woodlands in exurban Dutchess County, faculty and students can conduct long-term field studies with confidence the projects will not be disrupted by political upheavals or habitat destruction by settlers, as has happened in some foreign areas. Controlled access will insure preservation of the natural environment—so vital to ecological and behavioral studies.

To quote Professor Peter R. Marler, director of the center, who has investigated animal communication in environments as varied as Manhattan and Tanzania: "We obviously can't do much about the study of primates here, but many fundamental questions can be tackled with smaller animals, especially birds and bats. Birds, in many ways, are ideal for testing hypotheses about the ecological and genetic consequences of behavior."

As an example of the interplay possible between campus laboratory and field station, he cites research by Professor Myron C. Baker on genetic variations in birds. Field studies of behavior, begun in California, are being continued at Millbrook. Since social

behavior has many genetic consequences that can be explored in a biochemical laboratory, research complementing the field work goes forward 90 minutes away at the University. Even for faculty and students whose research takes them to areas as scattered as Costa Rica (Professor Jack W. Bradbury), India (Professor Steven Green), and Africa (Graduate Fellow Peter Waser), Millbrook is home base where their data on the behavior of bats and monkeys are analyzed and evaluated and reports are written.

Headquarters for the new center is a long, narrow building—a 1924 copy of the picturesque cottages of England's Cotswold hills. The most eye-catching feature is the roof constructed of thick slices of slate. In the spaces formed by the overlapping slates lives a colony of bats, convenient subjects for Professor Donald R. Griffin's group, which operates from a converted barn nearby on the shore of Mud Pond. Directly facing the main building is a small aviary, which up to this fall was populated by a splendor of parrots raised in Trinidad by Professor Fernando Nottebohm and his wife, Marta, an assistant for research. When the research (a facet of his work on the neurophysiology of vocal learning) was completed, the parrots were shipped to the more suitable climate of the San Diego Zoo.

Inside the two-story cottage is a warren of rooms housing administrative and maintenance personnel, animal keepers, technicians, scientists, and birds. The nerve center is three

rooms in a corner of the second floor—offices for Alethea Michie, administrative supervisor, and Dr. Marler and his secretary. Marler's office also doubles as the center's reference library. Mrs. Michie's duties cover "almost anything" affecting the smooth running of the station and facilitating the work of a peripatetic scientific staff.

Most of the other rooms on the second floor are occupied by members of Dr. Marler's research group including Professor Paul C. Munding, Research Associates Donald E. Kroodsma and Paul Handford, and Graduate Fellow Arthur P. Arnold.

Their subjects twitter away in the aviary room on the first floor, full of the flash of red-winged blackbirds, zebra finches (an Australian species), field sparrows, and domestic canaries. Because the canaries can be bred easily in captivity, they are becoming favorites for laboratory studies. Ralph Strauss, head animal keeper, and his assistants undoubtedly have one of the most active avian maternity wards maintained by a research institute. In another room are special cages and isolation boxes. Here studies can be made of the way birds learn the patterns of sounds we know simply as "songs," but which are methods of communication with a long evolutionary history. To the scientist, they yield clues to the functions of the brain and to the interplay between environment and heredity.

An outdoor extension of the bird rooms is an area of about 10 acres of open fields on which numbered posts have been set out to form a grid. At the birds who call this area home have been banded, their movements

mapped, and their voices recorded. Dr. Marler and his colleagues are thus able to keep close watch on the subjects in this outdoor laboratory. From time to time—"with much soul-searching"—a nest will be taken from its camouflaged shelter in a low bush or clump of coarse grass and brought indoors where the eggs are hatched and the birds retained for study.

A project being carried out by Dr. Marler and Consultant Ken Marten involves the use of sound recorders and two microphones mounted on aluminum poles, set about 100 meters apart, in various environments—forest and meadow. The properties for sound transmission vary greatly according to the environment. For instance, there seems to be a "best" frequency in each environment for transmitting songs over distance. Birds apparently evolve songs that exploit this "best" frequency.

Today's students of animal behavior depend on the camera and a wide range of electronic "tools" to gather their data. The tape recorder is omnipresent, and animal sounds are broken up into spectral lines and intricate notations for analysis. In one small room, you can find side by side, a moviola for editing film and "Ubiquitous," a versatile sound spectrum analyzer developed by University technicians, for studying vocalizations.

Electronics is also very much a part of most of the projects under way in

Professor Griffin's group. At the foot of a small rise, in a gravel pit out of sight of the main area, is a relic of the Korean War—a radar unit now enlisted in the peacetime pursuit of tracking migrant birds crossing the field site. Dr. Griffin (who learned to fly in order to track birds aloft and has taken his radar to sea to probe the secrets of bird migration) and Research Associate Ronald P. Larkin depend on the wizardry of Dr. Lawrence Eisenberg of the University's Electronics Laboratory to keep The Witch (so-named from the decal of war planes and witch's face still visible on one panel) running. The unit can track single birds at 2,000 yards. The walls of the gravel pit dampen radar reflections, from hills, that would otherwise compete with echoes of birds in flight.

Back at the converted barn shared by the group, Graduate Fellow José de la Torre-Bueno is engaged in an intriguing study in flight physiology. Even relatively small birds are known to migrate over long distances and fly for three days or more over open water. What do they do for "fuel" to balance the energy expended on such long flights? Bodily fat is the primary source; some of the smaller birds lay down as much as half of their weight in fat, which is largely used up in migration.

In an experimental wind tunnel at Millbrook especially constructed for these studies, starlings have flown for

as much as eight hours without landing. Measurements before and after flight are used to gauge the metabolic costs to the bird. The wind tunnel studies are supplemented by laboratory studies at the University in collaboration with Dr. Jules Hirsch, a leader in the study of the physiology of fat deposits in the human body.

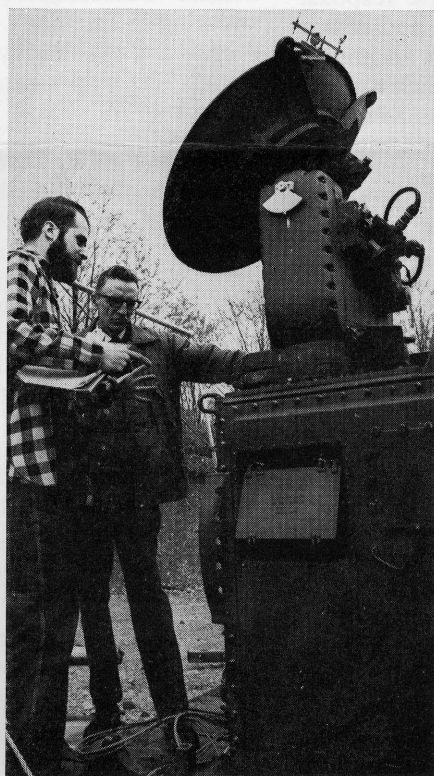
A good deal of Research Associate Edward R. Buchler's time is spent on the shallow waters of Mud Pond, where he has set up nets to snare bats at dusk. With portable equipment, he monitors the sounds by which bats locate flying insects and distinguish edible targets from other objects. Dr. Buchler operates from the group's raffish "research craft"—The Giggle—a rowboat built 18 years ago by Dr. Griffin for his children.

Another project now under way concerns the so-called "dance language" of bees. Recently some scientists have questioned the theory that bees, by performing a dance, can communicate the distance and direction of food sources to their fellows. Graduate Fellow James L. Gould is developing a model bee to mimic the dance language. If successful, he hopes to determine once and for all what segments of the dance, if any, provide what information. In the course of this sophisticated experiment, a lot of bees in Dutchess County may be led astray by the imposter's footwork.

*José de la Torre-Bueno observes starling in wind tunnel.*



*Ronald P. Larkin (left) and Donald R. Griffin at radar site.*



*On Mud Pond: Edward R. Buchler and young friend.*



## New Graduate Fellows on Campus

Twenty-five new graduate fellows arrived on campus during the months of July, August, and September. Another five began the six-year M.D.-Ph.D. program which is conducted jointly by Rockefeller and the Cornell University Medical College.

The new Rockefeller students are:

Mark Altom, *Miami University, Oxford, Ohio*

Steven Gwyn Ballard, *Oxford University*

Jeffrey Bergelson, *Harvard College*

Michael Brines, *University of Notre Dame*

Emily Brink, *Mount Holyoke College*  
Joel Franck, *Massachusetts Institute of Technology*

Lawrence Gerace, *Johns Hopkins University*

Alice Gottlieb, *Brandeis University*

Frank Greco, *New York University*

Joanne Gurin, *Brooklyn College*

John Hemperly, *Indiana University*

Angela Hyman, *City College, New York*

Seth Izenberg, *Harvard College*

Barbara Jasny, *New York University*  
Ronald Kalinoski, *Cornell College, University of New Mexico*

Mario La Farina, *University of Palermo*

Jonathan Lear, *Yale University, Cambridge University*

Robert Mackel, *University of Heidelberg, University of Zurich*

Karl Matlin, *Indiana University*

David Merz, *University of Minnesota*

David Noreen, *University of Michigan*

Mu-Chin Tzeng, *National Taiwan University*

Doris Chang-Yi Wang, *National Taiwan University*

Kimberley Waterman, *University of British Columbia*

Jesse Yoder, *University of Maryland*

Those in the Rockefeller-Cornell program are:

John Hurley, *Williams College, California Institute of Technology*

Donald McClain, *Haverford College*

Alan Proia, *Johns Hopkins University*

Jeffrey Ravetch, *Yale University*

Jonathan Victor, *Harvard College*

## Free Film Series

The University's free film series, open to all members of the University community and their guests, begins on Friday, October 12 with Fritz Lang's *Metropolis*. Subsequent programs will be: Anthony Mann's *A Dandy in Aspic* with Lawrence Harvey, Sunday, October 28; *Pinter People*, five of Harold Pinter's short plays in animation with commentary by the playwright, Friday, November 2; *The Caine Mutiny* with Humphrey Bogart, Sunday, November 11; *A Thousand Clowns* with Jason Robards, Friday, November 16; *Monika*, an early Ingmar Bergman film, Sunday, December 2; and *Samurai* with Toshiro Mifune, Friday, December 14.

All showings are in Caspary Auditorium, Fridays at 7:30 P.M., Sundays at 8:00 P.M.

## Art Classes Resume

The fall series of art classes, open to all members of the University community on a first-come, first-served basis, will begin on Thursday, October 18. There will be 15 weekly sessions, from 7 to 9:30 P.M., in the recreation room of the Graduate Students Residence. Instruction will be given in charcoal drawing, watercolor, woodcuts, and pastels by J. Forest Vey, who also

teaches at Hunter College and at the Polytechnic Preparatory School in Brooklyn. The cost is \$25 for the series. No previous experience is required. Further information may be obtained by calling Professor Walther F. Goebel, extension 1456.

## Pedersen Promoted

O. Margery Pedersen has been appointed manager of Accounting Services. She has served the University for many years in increasingly responsible positions including clerk, bookkeeper, accountant, and chief accountant.

## Sauers Appointed

Ronald Sauers has been named supervisor of Janitorial Services at the University. Mr. Sauers served most recently as architect's representative for construction on the new corporate headquarters of Volvo of America, Inc. in New Jersey. Before that he was project manager for the Greenacre Foundation on the construction and operation of Greenacre Park on East 51st Street. He also worked for two years as construction superintendent for the Long Island State Park Commission. Mr. Sauers is replacing Robert E. Hull who left the University last June because of failing health.

## Announce Programs for Concert Series

Paul Doktor, violist, playing music of Schubert, Milhaud, Brahms, and Schumann, will open this season's Rockefeller University Wednesday night subscription concert season, on October 10.

Following performances in the series will be: the New York Chamber Soloists playing Mozart divertimenti for strings, oboe, and horns (October 24); Murray Perahia, pianist, in a program of Mendelssohn, Mozart, and Chopin (November 7); the Tokyo String Quartet playing Mozart, Webern, and Schumann (November 21); Bruce Hungerford, pianist, in a sonata program (December 5); a Christmas concert, the Ceremony of Carols by Britten, performed by the Janus Chorale (December 19); Robert White, tenor, Melvin Kaplan, oboist, and Harriet Wingreen, pianist, in a program of Schumann, Vaughn-Williams, and Poulenc (January 16); Alberto Portugheis, pianist, playing Mozart, Schubert, Ginastera, and Chopin (January 30); contrabass virtuoso Garry Karr (February 13); the Guarneri String Quartet performing Brahms, Mozart, and Beethoven (February 27); The Festival Winds in a program of Handel, Haydn, Mozart, and Bois mortier (March 13); two Bach programs by Albert Fuller, harpsichordist, and Stanley Ritchie, violinist (March 27 and April 3); Emanuel Ax, pianist, playing Beethoven and Chopin (April 17); the Cleveland String Quartet in a program of Mendelssohn, Haydn, and Beethoven (May 1); and the Claude Kipnis Mime Theater (May 8). Performances are at 8 P.M. in Caspary Auditorium.

A concert night buffet is served in Abby Aldrich Rockefeller Hall from 6 P.M. Reservations must be placed before noon of the preceding Monday by calling 1257. Students may use food service scrip, and diners may bring their own wine.

The Sunday afternoon free concert series begins on November 11 with a performance by José Luis Aldo, pianist. Other performances scheduled are: the Phillips, Drucker, Nygaard Trio (January 30); Robert Day Allen, cellist, and Findlay Corkrell, pianist (February 3); Lionel Party, harpsichordist (February 24); and a violin, harp, and piano trio (March 17). The Sunday concerts begin at 2:30 in Caspary Auditorium. No tickets are required.

## TWO JOIN SCHOOL STAFF

The Children's School has two new staff members, Margaret Proudfoot, a teacher, and Deborah Packard, who is serving as school secretary and as an assistant teacher.



Celebrating awards, left to right: José Alvarez, Jacqueline Chiappetta, President Seitz, and Susan Torre-Bueno.

## Winning Suggestions

José Alvarez, a porter with Janitorial Services, Jacqueline Chiappetta, a bookkeeping clerk, and Susan Torre-Bueno, an assistant for research in the laboratory of Professor Donald R. Griffin, are the winners of the University's first campus-wide suggestion contest. The selection committee decided to split the first and second prizes equally between Mr. Alvarez and Mrs. Chiappetta—they each received \$75 bonds and Mrs. Torre-Bueno a \$25 bond—presented to them by President Seitz.

The suggestion by Mrs. Chiappetta involves a time-and-labor saving innovation in the processing of shop orders. Mr. Alvarez submitted a number of thoughtful suggestions for improving maintenance of University buildings and facilities. Mrs. Torre-Bueno's suggestions for recycling procedures and for reducing excess use of paper at the University are being studied for feasibility.

The contest was open to all nonfaculty, nonsupervisory personnel. Members of the selection committee were Roger C. Elliot, director of Administrative Services, Vice President C. E. Sunderlin, and Treasurer Sydney A. Woodd-Cahusac.

## University Lectures

The Rockefeller University Lectures, which are open to all members of the campus community, resumed this fall on September 28 with a talk by Professor Mark Kac on Chance, Fluctuations, and Order. The next lecture will be on October 19. Professor David C. Mauzerall will speak on Why Chlorophyll in Photosynthesis?

University Lectures and Research Colloquia are held on Fridays at 3:45 P.M. in Caspary Auditorium.

## Faculty Promotions

The following faculty promotions have been announced:

To associate professor with tenure: Günter Blobel, Cell Biology.

To associate professor: Zofia K. Borowska, Biochemical Genetics, and Robert P. Klett, Chemical Biology.

To assistant professor: Thomas M. Buchanan, Medicine; Dennis M. Dwyer, Parasitology; Vincent A. Fischetti, Microbiology; William S. Hayward and Sadaaki Kawai, Viral Oncology; and Charles M. Peterson, Medicine.

Two new appointments, both to assistant professor, are: Jonathan Winslow, Physiological Psychology (formerly an affiliate) and Clifford O. Yehle, Genetics.

## Osborn Lecture

Dr. Maurice F. Strong, executive director of the United Nations Environment Programme, will present the third annual Fairfield Osborn Memorial Lecture, on October 18 at 8:30 P.M. in Caspary Auditorium. His subject will be Environment and the New Internationalism. The program, which honors the memory of the pioneer naturalist and paleontologist, is sponsored by The New York Zoological Society, The Conservation Foundation, and The Rockefeller University, and is presented for guests of the three participating institutions, including all members of the Rockefeller University community. Those wishing to attend are requested to call extension 1959 for tickets.

## PERSONAL MENTION

Born, June 22, to **Steven Feiertag**, an assistant for research in the laboratory of Dr. Neal E. Miller, and his wife, Eileen, a daughter, Tracy Dawn, their second child.

Born, July 14, to Professor **Samuel L. Segler**, Experimental Physics, and his wife, Linda, a daughter, Cassandra Michelle, their second child.

Professor **Michael J. Tannenbaum**, Experimental Physics, was married on July 15 to Barbara Moshinsky.

**Liliane Lord**, a secretary with The Rockefeller University Press, was married on August 6 to Shaun Scallan, an actor. Mr. Scallan is the son of **Pamela Scallan**, who is also a member of the Press staff.

Born, August 20, to **Manuel Benitez**, physician's assistant in the Center for

## Biomedical Seminars

Atherosclerosis is the subject of the 1973-74 Biomedical Science Seminars, a joint project of Rockefeller University and Cornell University Medical College. Twelve lectures will be presented, on Tuesdays at 2 P.M., in room 301, Tower Building. They are open to all members of the Rockefeller-Cornell community.

The schedule of lectures and speakers is:

*Maintenance of Structure and Function in the Artery Wall*, Earl P. Benditt, chairman, Department of Pathology, University of Washington School of Medicine (October 23);

*Chemistry of the Aortic Wall—Sterols*, George J. Popjak, Mental Retardation Center, University of California at Los Angeles (November 13);

*Chemistry of the Aortic Wall—Lipids and Mucopolysaccharides*, Willy Stoffel, Institute of Physiological Chemistry, University of Cologne (December 11);

*Chemistry of Lipoproteins*, Angelo M. Scanu, professor of medicine and biochemistry, University of Chicago Pritzker School of Medicine (January 8);

*Physiology of Lipoproteins*, Richard J. Havel, Cardiovascular Research Institute, University of California School of Medicine, San Francisco (January 22);

*Kinetic Models*, Donald B. Zilversmit, Graduate School of Nutrition, Cornell University (February 5);

*Regulation of Cholesterol Metabolism in Man*, Edward H. Ahrens, Jr., professor and senior physician, Rockefeller University (February 19);

*Animal Models of Atherosclerosis*, Thomas B. Clarkson, director, Arteriosclerosis Research Center, The Bowman Gray School of Medicine of Wake Forest University (March 19);

*Subcellular Fractionation of the Aorta*, Christian de Duve, professor, Biochemical Cytology, Rockefeller University (April 2);

*Thrombosis*, Aaron J. Marcus, chief, Hematology Section, New York Veterans Administration Hospital (April 16);

*Biometrics and Clinical Trials*, Jerome Cornfield, professor of statistics, George Washington University Biostatistics Center (May 7); and

*Population Studies*, William B. Kannel, medical director, National Institutes of Health, National Heart Institute, Heart Disease Epidemiology Study (May 21).

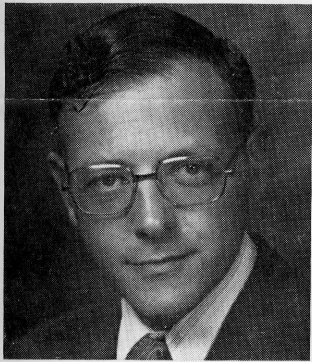
Prevention of Premature Arteriosclerosis, and his wife, Lucy, a son, Frankie, their first child.

Graduate Fellow **Owen R. Floody** and Assistant for Research **Catherine Lewis**, both of whom are associated with the laboratory of Professor Carl Pfaffmann, were married on September 1.

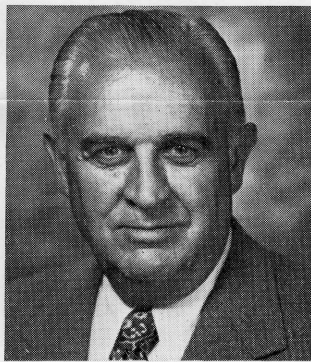
## Two Are Appointed to Development Staff

Two appointments to the staff of the Development Office have been announced. Robert L. Van Valer, formerly director of planned giving at Pace University, has been named director of trust and estate gift plans. George Smith, who had served as associate director of development at Fordham University, has assumed the duties of assistant director of development.

Both men will assist Rodney W. Nichols, vice president for program



ROBERT L. VAN VALER



GEORGE SMITH

planning and development, and Ray F. Carmichael, director of development, in working with President Seitz and the University's Board of Trustees on the \$118 million program begun in 1971, to broaden private support among individuals, foundations, and corporations. Commitments of nearly \$36 million have been received to date.

Mr. Van Valer will have responsibility for the organization and administration of a program in an area of philanthropic giving in which the University has never before been involved—obtaining gifts through trusts, annuities, bequests, and other forms of deferred commitments when an immediate gift is not possible, or in combination with an immediate gift. Director of deferred giving at New York University previous to joining the staff of Pace University, Mr. Van Valer has also served as director of the annual fund at Polytechnic Institute of Brooklyn. He is a graduate of Bloomfield College.

Mr. Smith, who will have primary responsibility for expanding efforts to obtain support from corporations, was on the staff of Columbia University's \$200 million campaign for five years before joining Fordham University. A graduate of Eastern Baptist College and Seminary in Philadelphia, he began his development career with Ketchum, Inc., a professional fund-raising firm.

## BRIEFS

Professor **Edward H. Ahrens, Jr.**, senior physician, has been elected to the Institute of Medicine of the National Academy of Sciences, an organization of about 200 members chosen for "significant contributions" to health, medicine, and related fields.

Professor **Philip A. D'Alesandro**, Parasitology, was chairman of an international symposium on Ablastic Immunity, held at the University June 21-22, and arranged by him at the request of the editorial board of *Experimental Parasitology*. The purpose of the symposium was to summarize present knowledge and formulate research plans to further the understanding of this type of immunity, the principles of which may have a bearing on the future control of African sleeping sickness.

Professors **Peter R. Marler** and **Fernando Nottebohm**, Animal Behavior, are presenting 16 biweekly seminars here on the Ontogeny of Behavior. The first was held on September 25; the last one is scheduled for November 15.

Trustee **Walter N. Rothschild, Jr.** received an honorary Doctor of Humane Letters degree from Long Island University on June 8.

Professor **Jules Hirsch** was appointed to a second term as a member of the Advisory Board of the New York City Department of Mental Health and Mental Retardation Services at a swearing-in ceremony in City Hall on August 2 at which Mayor Lindsay officiated. The reappointment is effective through 1976.

Professor **Paul F. Cranefield** has been elected to the editorial board of the *American Journal of Chinese Medicine*.

Professor **Neal E. Miller**, Physiological Psychology, was awarded an honorary Doctor of Science degree by St. Lawrence University, Canton, New York, on September 27.

Professor **Rollin D. Hotchkiss** spoke on the Molecular Basis of Recombination at the 13th International Congress of Genetics held at the University of California at Berkeley, August 20-29.

The August 6 issue of *The New Yorker* contained an article on whales by Faith McNulty which prominently featured the work of Professor **Roger S. Payne**, Animal Behavior.

ADVISORY COUNCIL *continued from page 1*

research psychiatrist and author, Harvard University; Susan L. Cullman, New York; John Diebold, chairman, The Diebold Group, Inc.; William H. Franklin, chairman, Caterpillar Tractor Co.; H. Clay Frick II, M.D., Columbia Presbyterian Hospital; Richard M. Furlaud, president, Squibb Corp.; Robert W. Galvin, chairman, Motorola, Inc.; Thomas S. Gates, Jr., director, Morgan Guaranty Trust Co.; Carl A. Gerstacker, chairman, The Dow Chemical Company; Katharine Graham, chairman, The Washington Post Company; William C. Greenough, chairman, Teachers Insurance and Annuity Association.

Also, John D. Harper, chairman, Aluminum Company of America; J. George Harrar, former president, Rockefeller Foundation; Patricia R. Harris, member, Fried, Frank, Harris, Shriver and Kampelman; S. T. Harris, director, Texas Instruments Corp.; Jerome H. Holland, former ambassador to Sweden, New York; Ada Louise Huxtable, member, editorial board, *The New York Times*; Lady Barbara Ward Jackson, economist, London; Vernon E. Jordan, Jr., executive director, National Urban League, Inc.

Also, Theodore W. Kheel, member, Battle, Fowler, Stokes and Kheel; Antonie T. Knoppers, M.D., president, Merck and Co., Inc.; Ralph Lazarus, chairman, Federated Department Stores, Inc.; Bayless A. Manning, president, Council on Foreign Relations, New York; Brooks McCormick, president, International Harvester Company; Charles B. McCoy, chairman and president, E. I. duPont de Nemours and Co.; Elisabeth Luce Moore, New York; Akio Morita, president, Sony Corporation, Tokyo; Carl H. Pforzheimer, Jr., senior partner, Carl H. Pforzheimer and Co.; Gerard Piel, president, Scientific American, Inc.

Also, Claude S. Ramsey, chairman and president, Akzona Incorporated; Gordon N. Ray, president, Guggenheim Memorial Foundation; Sir Eric Roll, executive director and deputy chairman, S. G. Warburg and Co., Ltd., London; Louis H. Roodis, Jr., vice chairman, Consolidated Edison Co.; Robert V. Roosa, partner, Brown Brothers Harriman and Co.; Richard J. Schwartz, president, Jonathan Logan, Inc.; David C. Scott, chairman and president, Allis-Chalmers Corporation; Richard R. Shinn, president, Metropolitan Life Insurance Co.; Dieter Spethmann, president, August Thyssen-Hütte, Düsseldorf; Charles D. Tandy, chairman, Tandy Corporation; Jack Tarver, president, The Atlanta Constitution-Journal; Grace Sloane Vance, New York; Rawleigh Warner, Jr., chairman, Mobil Oil Corporation; Thomas J. Watson, Jr., chairman, Executive Committee, IBM Corp.; Lester Wolfe, president, William J. Roundtree Co., Inc.; Margaret B. Young, New Rochelle, New York.