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NEWS AND NOTES 1991, MAY 17

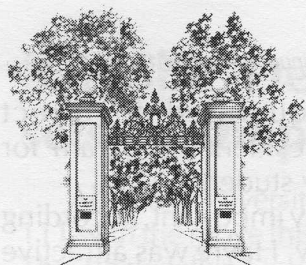
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News & Notes

New Heads of Laboratory named

Five Assistant and Associate Professors from various laboratories on campus will be designated Head of Laboratory, effective July 1. The designation means that the scientists will have the opportunity to develop their research goals and activities independently of any other lab.

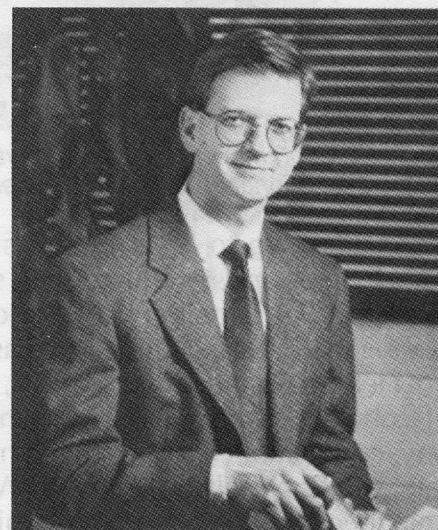
The five new Heads of Laboratories are Associate Professor Alan Aderem, Assistant Professor Arturo Alvarez-Buylla, Assistant Professor Jeffrey Friedman, Associate Professor Elaine Tuomanen and Assistant Professor John Ding-E Young. Their appointment brings to six-

☛ See **New Lab Heads** on page 3

Michael Hayre to lead LARC

Following a three-month national search, Michael D. Hayre, DVM, has been named to replace Dennis Stark as director of the university's Laboratory Animal Research Center, effective June 10. Stark, who was director of LARC for 15 years, will leave the university at the end of May for a position with Bristol-Myers Squibb in New Jersey.

Hayre was assistant director of LARC during 1988-89. Since then, he has been Associate Director for Animal Care at Schering-Plough Corporation in Bloomfield, New Jersey. He has also been a consulting veterinarian at



Michael D. Hayre

Vassar College since 1988.

Professor Jan Breslow headed the Search Committee seeking Stark's replacement. "I'm very excited that Michael Hayre will return to Rockefeller," he said. "As Assistant Director three years ago, he provided leadership and interacted well with everyone in the Rockefeller community."

Members of the search committee were looking for someone with administrative and academic experience. Hayre immediately caught their attention because he was instrumental in establishing an outstanding program of laboratory animal care and use at Schering-Plough. He

☛ See **Hayre** on page 2

Microscopy Service magnifies details

Most of us remember the time back in grade school when we first looked through a microscope and discovered an unseen world. Suddenly, a murky droplet of pond water was transformed into a densely populated kingdom where translucent microorganisms wriggled and swam.

The microscopes we used were light microscopes, which focus bright light to magnify an object. The most powerful light microscopes can magnify an object up to 100 times its actual size. That's sufficient for some research endeavors, but scientists often must take a closer look.

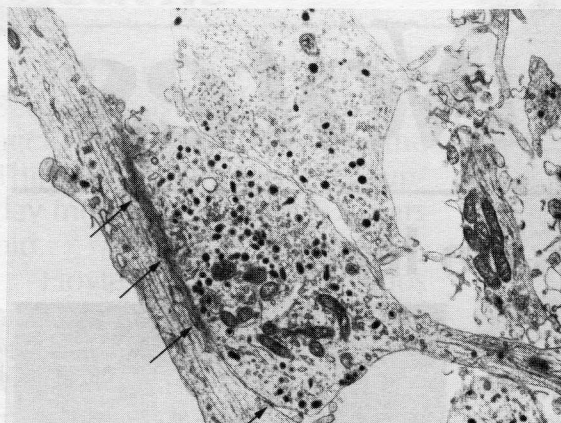
☛ See **Microscopy** on page 2



Leif Carlsson

Helen Shio and Eleana Sphicas

Microscopy (continued from page 1)



Electron Microscopy Service

In this electron micrograph, the arrows point to a synapse, a junction between two nerve cells.

a specimen up to 250,000 times. This power makes it possible to visualize cells in astonishing detail, showing such features as their genetic material, DNA; their subcellular components, or organelles; and the pathogens that infect them, such as viruses.

Helen Shio and Eleana Sphicas, the facility's staffers, use a wide range of techniques such as negative staining, rotary shadowing, autoradiography, cryoultramicrotomy and immunoelectron microscopy to collaborate with Rockefeller scientists. "We provide them with another tool to help them with their research," Shio says.

It's a tool that frequently provides essential research data. "When people do electron microscopy, they want to answer questions which are, in most cases, critical to their studies," says Hui-Quan Han, a graduate fellow in the Greengard Lab.

His research is a case in point. Han studies the effect of a protein called synapsin IIb on the formation of synapses, the cell-to-cell connections that regulate communication between nerve cells. Han wanted to know if overproduction of this protein would result in structural changes in nerve cells. Light microscopy revealed some gross structural changes, but only electron microscopy could detail their full extent, and so help demonstrate synapsin's central role in controlling the cell's ability to make synapses.

Such studies of morphology, or form, are just one of electron microscopy's uses. Among its other capabilities are pinpointing the intracellular location of proteins by using antibodies, and determining the purity of a sample.

Shio and Sphicas encourage researchers to discuss their projects with the electron microscopy staff. "If our skills and tools are amenable to the study, we're here to collaborate," Sphicas says. The collaboration can take a number of forms, from preparing and examining specimens, to teaching researchers how to use the microscopes, to suggesting fruitful analytic approaches.

For more information about the Electron Microscopy Service, call Shio or Sphicas at x8125 or x8129, or stop by the facility in Bronk 518.

—by Susan Blum

Hayre (continued from page 1)

is also qualified to direct LARC's residency program for veterinary students.

Equally important, according to Breslow, Hayre was attractive to the committee because he helped set up the transgenic mouse unit at Schering-Plough. Breslow said that, with Hayre's direction, "the university hopes to set up a core transgenic mouse facility within LARC in the next year or two."

Hayre earned a Bachelor of Science degree from Cumberland College in Kentucky in 1974 and a Doctor of Veterinary Medicine degree from Tuskegee University in Alabama in 1978. He did his Laboratory Animal Medicine Residency at Walter Reed Army Institute of Research in Washington, DC, from 1982 to 1986.

Hayre, a Kentucky native who considers himself a "born-again New Yorker," is looking forward to returning to the city. "I consider returning to Rockefeller University the opportunity of a lifetime," he said. "I'm excited about being a part of Dr. Baltimore's team, and I look forward to working again with the faculty and staff of such a great research institution." ➡➡

A farewell reception will be held for Dennis Stark.

Monday, May 20
Tower 17th floor
3:00 to 5:00

Everyone is invited.

'Graphic Design Central' sets up shop in Bronk

All of the university's graphic design talent is now located in Bronk 111 with the move this week of the new Graphic Design Department of The Rockefeller University Press into space at the Media Resource Service Center.

Heading the new department is Corrine O'Neill, who has been the principal graphic artist at the Press for a year and a half. Moving with her is Production Assistant Rita Shukow. Rita has been at the Press since 1988.



Corrine O'Neill

The move makes it easier for anyone needing brochures, flyers, posters or other materials to get the work done simply and economically. O'Neill or Shukow will be able to provide full art services and prompt estimates and, thanks to their proximity to the Media Center, will be able to

take advantage of quantity buying to achieve savings. All nonscientific graphics work will be handled by Graphic Design; the Media Center will continue to handle scientific illustrations, slides and photography. Those who aren't sure which they need can have their questions resolved in Bronk 111.

O'Neill received a bachelor of fine arts degree in art history from UCLA in 1987 and began graduate work that fall at Pratt Institute in New York. She continues her studies part-time toward a master of science degree in communication arts which she expects to receive in January. She has previous experience in the design department at Mobil Oil Corp. The telephone number for the department is x8569. ➡➡

Harris takes first place in corporate race

When the dust cleared at the first of the Manufacturer's Hanover Corporate Challenge races May 9, the first woman overall to finish was Rockefeller's Esther Harris, assistant for research in the Desplan Lab. Her time was 20:22 for the 3.5 mile course. Although team scores will not be published for a week or so, it looks as though the university could take the first place coed team award for the second year in a row.

It's not too late to sign up for the team, which runs again on June 6. The deadline is today at 3:00. Contact Robin Maloney, x7736, for information. ➡➡

New Lab Heads (continued from page 1)

teen the number of non-tenured Heads of Laboratories on campus, eleven other researchers having been previously hired as University Fellows. The five just named were chosen from among those nominated for the designation; others are still under consideration.

President Baltimore, who has stressed his hope that this group will grow and will provide Rockefeller with its tenured faculty of the future, said, "I am gratified that the review process has identified such a strong and diverse group of junior scientists."

Aderem studies how a protein called MARCKS (myristoylated alanine-rich C-kinase substrate) affects the ability of the cell's cytoskeleton to communicate various kinds of signals.

Alvarez-Buylla is investigating the conditions under which new neurons are born in the brains of adult birds.

Friedman is taking a genetic approach to understanding the control of feeding behavior. He and his colleagues have mapped several mouse obesity genes and are now attempting to clone them.

Tuomanen studies how the bacteria that cause whooping cough and meningitis disrupt normal functions, such as those of the lung and the blood brain barrier, with particular emphasis on the inflammation that occurs in response to cell wall components.

Ding-E Young's research focuses on the molecular mechanisms of cell killing and cell death, especially those mechanisms shared by both the cellular and the humoral immune system. ➡➡

Deaths

Sergeant Frank Hoyte of Security was killed in an auto accident at 127th Street and the Third Avenue Bridge early Sunday morning. He was 53 years old.

Hoyte was born in Barbados and immigrated to the United States 28 years ago. He joined Rockefeller as a Security Guard in October 1971, and was promoted to Sergeant last month.

"Frank was recently promoted based on his outstanding service to the university over the last 20 years," said Joe Nekola, Director of Security. "He'll be remembered for his wonderful sense of humor and his dedication to duty. He will be missed."

Hoyte's wake will be held



Frank Hoyte

Saturday at McCall's Bronxwood Funeral Home in the Bronx. The funeral service will be Sunday at Ebenezer Gospel Tabernacle, 225 Lenox Avenue in Manhattan. Conducting the services will be Reverend Harold Taitt, who retired from Rockefeller Security as lieutenant in 1989. Hoyte is survived by his wife Veronica, a son and a daughter. ➔➔

Leif Carlsson

Announcements

Stockroom offers recycled products, closes for inventory

In recent months the RU stockroom, Plaza Building room 104, has added items made from recycled paper to its stock supply. Below is a list of what's currently available for purchase. More items will be added in the future.

Ruled Pad, 8.5 x 11, White
Legal Pad, Perforated, White
Scratch Pad, White, 3 x 5, 4 x 5, 5 x 8, 6 x 9
Post-It Notes, 1.5 x 2, 3 x 3, 3 x 5
Steno Pad, 6 x 9, White
Legal Hanging Folder, 1/3 cut
Card Index, White, Plain, 3 x 5
Adding Machine Paper, White
Telephone Message Pad
Spiral Ampad Book
Jiffy Padded Bag #0, #1

The stockroom will be closed Thursday and Friday, May 30-31, for physical inventory. It will reopen June 3.

Symposium honors Allfrey on Thursday

A symposium, "Chromatin Structure and Control of Gene Expression," will be held in Caspary Auditorium all day Thursday, May 23, to honor Professor Vincent G. Allfrey on the occasion of his 70th birthday. Among the distinguished scientists presenting papers at the affair will be Professor Allfrey, Adolfo Ruiz-Carrillo (Laval University), William T. Garrard (University of Texas), Edward M. Johnson (Mt. Sinai Medical School), Jonathan Karn (MRC, Cambridge University), E. Morton Bradbury (University of California, Davis), and Andrei Mirzabekov (W. Engelhardt Institute of Molecular Biology, Moscow). The symposium is open to everyone, and will be followed by a reception. Contact x8770 for information.

Summer schedules for News & Notes and Calendar of Events

The last issue of the university's *Calendar of Events* for this academic year will be published June 7, and will cover events for June, July and August. Deadline for text submission for this issue is June 4. The *Calendar* will resume weekly publication on August 30. Seminar notices can be submitted to *News & Notes* during the summer.

The last regular issue of *News & Notes* for this academic year will be published June 7. During the summer it will be published once in July and once in August, then resume weekly publication after Labor Day in September.

Film series shows Altman's *Images*

Robert Altman's 1972 film *Images* is a disturbing and powerful psychological study of how a woman's withdrawal into fantasy to escape the stresses of modern life leads to madness and violence. With Susannah York and René Auberjunois. The film will be presented by the University Film Series on Sunday, May 19, at 7:30 in Caspary Auditorium.

Carpenters move

The Carpenter Shop has moved to Hospital Room B8. The phone extension, x8606, remains the same.



News & Notes is published on Fridays throughout the academic year by the Public Affairs Office of Rockefeller University. Suggestions for articles are welcome and may be sent to Box 68, or call 570-8967. Articles may also be submitted via electronic mail to *newsnotes*. The deadline for each Friday's issue is the preceding Monday at 5:00 p.m. The Rockefeller University is an equal opportunity employer and has an affirmative action program to increase the employment of women and members of protected groups at all job levels. Editor: Robert Brown. Designer: Patricia Sadiq.