



# Intercom

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17,000 at Duke

## Furry Friends Lend a Hand (Hoof?) to Health

Man is dependent on animals for many of the essentials of life — transportation, clothing, food and, of course, companionship.

But in another way man is indebted to animals, if not for life itself, then at least for a healthier and longer life.

Throughout the history of medical research, scientists have depended on animal studies to point the way toward breakthroughs that broaden the horizons of human health.

Last year, fiscal year 1972-73, over \$8 million was spent on animal-related research, representing one-third of Duke's total budget designated for research.

Duke has an average daily animal population of over 17,000. All of the animals are housed in approximately a dozen facilities on the Duke campus, occupying a space of over 113,000 square feet.

Home for a great majority of Duke research animals is the Central Animal Care Facility (CACF), better known as the Vivarium, located in the Research Park.

The use of animals for research and teaching is coordinated through Duke's Animal Resource Program. This program is operated by the Division of Laboratory Animal Resources (DLAR), an administrative unit in the office of Dr. William G. Anylan, vice president for health affairs.

The DLAR is responsible for the husbandry and health needs of animals used for research and teaching. It supports animal-related research and teaching activities of not only the medical center, but also the departments of psychology and zoology and the Primate Facility.

In July of 1972, a new director of the DLAR, Dr. Joseph L. Wagner, was appointed to establish and administer sound animal care programs in support of biomedical research and teaching functions. To facilitate compliance with the Federal Animal Welfare Act of 1966 and NIH Guidelines, Wagner was also appointed Duke University veterinarian.

Director, veterinarian, and assistant professor of microbiology and immunology, Wagner also heads Duke's Animal Care Committee which consists of 15 members from departments throughout the university.

The professional staff of the DLAR is composed of two veterinarians; three veterinary medical technicians who provide technical support for the staff; a supervisor in charge of personnel and equipment; and a materials and control supervisor in charge of the transportation, purchasing and receiving of animals. In addition, there are 24 people involved in maintenance, animal care and secretarial positions.

The operations center for the DLAR is located in the Vivarium. The top floor of this facility houses research animals which are kept in mobile cages. There are not more than two animals of the same species living in a cage and each of the 44 rooms contains only animals of the same

species. This prevents the potential spread of communicable diseases between species.

An automatic watering system is used in seven of the animal rooms and sterile conditions are maintained in each of the

four operating rooms with an adjacent well-equipped X-ray facility. Also included in the Vivarium are two necropsy rooms, and a steam autoclave.

The CACF's basic design is a two corridor system consisting of "clean" and

"dirty" sides to prevent animals which have gone through quarantine from coming into contact with other animals who are scheduled for surgical procedures.

Adequate animal isolation facilities for cancer-related projects using only hazardous agents will soon be available for researchers in Duke's new Animal Laboratory Isolation Facility (ALIF), located west of the Vivarium.

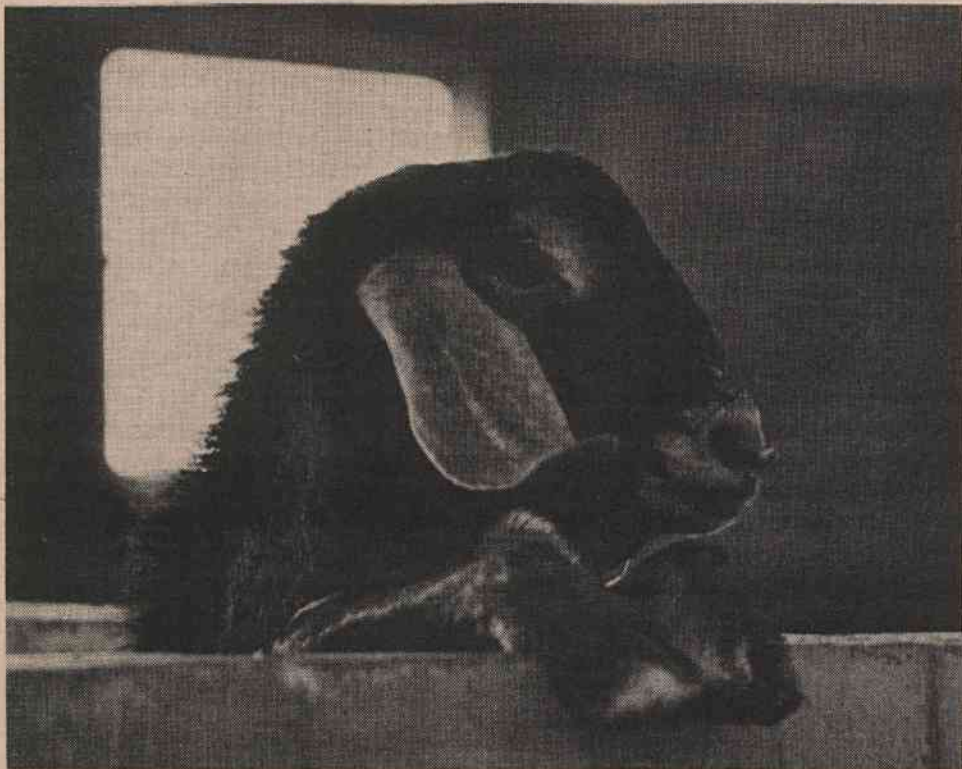
As part of Duke's Comprehensive Cancer Center, the ALIF, presently under construction, will provide researchers with the capability of performing experiments with infectious agents under absolute containment.

Aside from administrative offices located on the first floor, there is space available in the CACF for laboratory and teaching purposes. Medical students and students in the Physician's Associate Program attend classes on animal surgery here.

The departments of surgery and medicine are the largest contributors and users of this facility. The Hyperbaric Chamber receives its animals from here and the Duke Farm.

At the present time, the CACF houses animals for over 200 investigators from Duke and the VA Hospital. These investigators are using the animals to study such areas of concern as cancer, diabetes, cardiovascular physiology, oxygen toxicity and drug dependency.

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**FAMILY OF ANIMALS**—This Nubian goat is just one of over 17,000 animals at Duke used for research and teaching. Last year Duke had an average annual animal population of over 128,000. All of the animals are housed in a dozen facilities on the campus, occupying a space of over 113,000 square feet. (Photo by Dale Moses)

## Med Center Announces Promotions

Provost Frederic N. Cleaveland has announced the promotion of 18 faculty members at the medical center.

Dr. Blaine S. Nashold Jr. has been promoted to professor of neurosurgery.

Eleven have been promoted to associate professorships. They are Dr. Nels C. Anderson, physiology; Warren P. Bird, medical literature; Dr. Per-Otto Hagen, experimental surgery; Dr. Dale T. Johnson, medical psychology; Dr. William B. Kremer, medicine; Dr. Melvyn Lieberman, physiology; Dr. M. Stephen Mahaley, Jr., neurosurgery; Drs. Lorne M. Mendell and Elliott Mills, physiology; Dr. David W. Schomberg, obstetrics and gynecology; and Dr. Frances K. Widmann, pathology.

Promoted to assistant professorships are Drs. J. Gordon Burch, Walter E. Davis and Peter Gebel, medicine; Dr. Richard F. Kay, anatomy; Dr. Allen David Roses, medicine; and Dr. Timothy L. Strickler, anatomy.

Nashold received his A.B. from Indiana University in 1943, his M.Sc. in bacteriology from Ohio State University in 1944, his M.D. from the University of Louisville in 1949, and M.Sc. in neurology-neurosurgery from McGill University in 1954.

He joined the Duke faculty as an assistant professor of neurosurgery in 1957 and from 1957-59 was chief of the

Neurosurgery Section at the Durham Veterans Administration Hospital.

Prior to his arrival at Duke, Nashold served as an instructor in neuroanatomy at McGill University and an assistant in neurosurgery at the Bowman Gray School of Medicine in Winston-Salem.

Anderson came to Duke in 1968 as assistant professor in physiology and pharmacology and assistant professor in obstetrics and gynecology.

He received his B.A. in biology from Concordia College, his M.S. in endocrinology from Kansas State University, and Ph.D. in endocrinology-physiology from Purdue University.

A native of Rochester, N.Y., Bird received his B.S. degree from Georgetown University in Washington, D.C. and M.S. degree from Columbia University's Graduate School of Library Science in New York.

Bird came to Duke in 1965 as chief of library systems and communications for the medical center library. Since 1968 he has held the positions of visiting assistant professor at the University of North Carolina's graduate School of Library Science, associate director of Duke's medical center library, and supervisor of Data Processing Applications for Duke's libraries.

Hagen, of Oslo, Norway, received his

B.S. degree in analytical chemistry and Ph.D. in biochemistry from Watt University in Edinburgh, Scotland.

Prior to his arrival at Duke in 1970 as assistant professor of experimental surgery, Hagen was associate scientist at

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## Bill Eubanks Joins Cancer Center

William Eubanks, former manager of the hospital's branch of Wachovia Bank, has been named administrator of the Comprehensive Cancer Center. Announcement of the appointment came from Dr. W. W. Shingleton, director of the center and chief of the Division of General Surgery.

His responsibilities will include general administration of the facility, grant research and applications, and funding for the Cancer Center's construction.

Eubanks attended East Carolina University and majored in business. He joined Wachovia in 1968, and he has managed the Duke branch for the past two years. He and his wife Katherine have two children, Mandy and Katherine.

Brad Evans, former Duke football and basketball star, succeeds Eubanks as

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