DR. RALPH WYCKOFF RETIRES FROM NIAMD

Dr. Ralph W. G. Wyckoff, internationally known biophysicist, retired on August 31 from his position as Chief of the Section on Molecular Biophysics, NIAMD, after 12 years at NIH. Dr. Wyckoff has been named Professor of Bacteriology and Physics at the University of Arizona.

Since coming to NIH, Dr. Wyckoff has been primarily concerned with investigations of the whole structure of cells and intracellular organisms, and with the fine structure of material composing cells. His many research achievements include the development of methods for photographing the exact arrangement of molecular particles in cell crystals, thus confirming geometrical theories of structure. His recent work has added to existing knowledge of the (See Dr. Wyckoff, Page 3)

VISITING SCIENTISTS JOIN NINDB STAFF

Three outstanding investigators were recently named to Visiting Scientist posts in NINDB laboratories.

Professors Ulrich Franck and Torsten Teorell will spend three months in the Section on Special Senses, where they will participate in a project aimed at explaining the basic processes of biological excitation.

Dr. William A. H. Rushton, Director of Medical Studies at Trinity College, Cambridge, England, has joined NINDB's Ophthalmology Branch for one year. He will continue his studies of color vision and its abnormalities.

Professor Franck is Chairman of Electrochemistry at the Edward-Zintl-Institut, Darmstadt, Germany, and Professor Teorell is Chairman of Physiology and Biophysics, Uppsala University, Sweden.

EXHIBITORS NAME "STEERING COMMITTEE"

Six of the NIH hostesses selected to register and guide visitors at the National Equipment Exhibit, September 28 to October 1, pose for an informal picture in George Hoff's (OAM) convertible. Seated, from left, are Pat Bolton, OAM; Charlotte Schlosser, NCI; and Peggy Becker, DBS. Standing (l. to r.) are Becky Ann Gephart, NCI; Linda Weeden, DGMS; and Babette Pickler, DBS. Not present for the picture were the chief hostess, Sue La Fontise, NIMH; Joan Carter, OAM; Betty Hennigan, NIAID; Barbara Schaefer, DGMS; and Mary Virts, OAM.

DR. MASLAND NAMED DIRECTOR OF NINDB

The appointment of Dr. Richard L. Masland as Director of NINDB was announced September 2 by PHS Surgeon General Leroy E. Burney.

Dr. Masland succeeds Dr. Pearce Bailey, who served as NINDB Director since the Institute's inception in 1951. Dr. Bailey has been appointed director of the Institute's new International Neurological Research Programs, and will serve in a liaison capacity with the World Federation of Neurology. He will leave shortly for Antwerp, Belgium, where the Federation has headquarters.

Dr. Masland has been Assistant Director of NINDB since 1957, when he came to NIH. Among other responsibilities he has developed NINDB's perinatal project, a collaborative study of neurological and sensory disorders of the newborn.

From 1947 until 1957 Dr. Masland was professor and head of the Department of Neurology at the Bowman Gray School of Medicine, Winston-Salem, N. C. During that time he took leave to serve as Research Director of the National Association for Retarded Children. While in U. S. Army service during (See Dr. Masland, Page 3)
The August 31 issue of the RECORD listed total NIH appropriations for fiscal year 1960 as $430 million, with $400 million provided for operating activities and $30 million for grants for construction of health research facilities. The following table gives a breakdown of appropriations (in millions) by Institute and activity.

<table>
<thead>
<tr>
<th>Institute</th>
<th>Total Appropriations</th>
<th>Direct Operations</th>
<th>Grants &amp; Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIAMD</td>
<td>$46.9</td>
<td>$8.3</td>
<td>$38.6</td>
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<tr>
<td>NIAID</td>
<td>34.0</td>
<td>7.7</td>
<td>26.3</td>
</tr>
<tr>
<td>NINDB</td>
<td>41.5</td>
<td>7.6</td>
<td>33.9</td>
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<tr>
<td>NCI</td>
<td>91.3</td>
<td>41.4*</td>
<td>49.9</td>
</tr>
<tr>
<td>NIMH</td>
<td>68.1</td>
<td>11.4</td>
<td>56.7</td>
</tr>
<tr>
<td>NHI</td>
<td>62.2</td>
<td>11.3</td>
<td>50.9</td>
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<tr>
<td>NIDR</td>
<td>10.0</td>
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<tr>
<td>General research and services</td>
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<td>41.9</td>
</tr>
<tr>
<td>Total</td>
<td>400.0</td>
<td>95.6</td>
<td>304.4</td>
</tr>
<tr>
<td>Construction grants</td>
<td>30.0</td>
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<td>30.0</td>
</tr>
<tr>
<td>Grand total</td>
<td>430.0</td>
<td>95.6</td>
<td>334.4</td>
</tr>
</tbody>
</table>

*Contains $22 million for cancer chemotherapy contracts.

**NEWS BRIEFS**

Dr. Roderick Murray, Director of DBS, left for Geneva, Switzerland, August 25, to attend the WHO Expert Committee on Biological Standardization. On September 14 he will present a paper at the 5th International Congress for Biological Standardization in Jerusalem, Israel.

Dr. Ernest M. Allen, Chief, DRG, attended the Second World Conference on Medical Education in Chicago, August 30-September 4. He spoke on "Fellowships and Assistantships as Economic Assistance from Government and Foundation," the conference was sponsored by the World Medical Association, WHO, the Council for International Organizations of Medical Sciences, and the International Association of Universities.

Dr. John A. Clausen, Chief of Socio-Environmental Studies, NIMH, has been appointed editor of "Sociometry, a Journal of Research and Social Psychology," the official publication of the American Sociological Society. Dr. Clausen is also Chairman-elect of the recently established Section of Social Psychology of the American Sociological Society.

The following manuscripts were received by the SRB Editorial Section between April 21 and April 30.

**Publication Preview**

- Briggs, G. M. The future of livestock and poultry nutrition.
- Demont, I. M. The medical illustrator and the scientific exhibit.
- Gay, W. I. Tatooing of dogs used in medical research.
- NCI
- Fahey, J. L., and Potter, M. Bence Jones proteinuria associated with a transplanted mouse plasma-cell neoplasm.
- Levenson, S. M., and Watkin, D. M. Protein requirements in injury and certain acute and chronic diseases.
- Pancraft, W. J.; Milmore, B. K.; and Marcus, S. C. Thyroid cancer and thyrotoxicosis in the United States: Their relation to endemic goiter.
- White, W. C. An adiabatic calorimeter for continuous direct measurement of the heat production of small laboratory animals.
- Shelton, E., and Rice, M. E. Relation of invasive capacity to passage of lymphocytic cells through cellulose membrane filters.
- Zubok, C. G.; Schoeneman, M.; Frei, E., III; and Brindley, C. Appraisal of methods for the study of chemotherapy of cancer in man: Comparative therapeutic trial of nitrogen mustard and thiopeta.

**News Briefs**

- Briggs, G. M. The future of livestock and poultry nutrition.
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**NIH**

Brayward, E.; and Morrow, A. G. Left ventriculo-right atrial communication: Diagnosis by clinical, hemodynamic and angiographic methods.

Braunwald, E.; Morrow, A. G.; and Cooper, T. Left ventricular angiography in the diagnosis of persistent aortic valvular stenosis and related anomalies.

Davis, J. O.; Trapasso, M.; and Yankopoulos, N.A. Studies of actomyosin from cardiac muscle of dogs with experimental congestive heart failure.

Gilbert, J. W., Jr.; Morrow, A. G.; and Braunwald, E. The results of open commissurotomy in acquired calcific aortic stenosis: Clinical and hemodynamic studies in patients operated upon with general hypothermia.

Papadakis, G.; Horning, M.; Bucher, N. L. R.; and Cornforth, R. H. The formation of "Terpenoid" acids from mevalonic acids from mevalonic acid in liver enzyme preparations and their relation to sterol biosynthesis.

Suci, G. J. A comparison of semantic structures in American southwest culture groups.

NIH Spotlight

Dr. Sara Jane Uhrich examines a week-old goat in the NIH animal hospital.

NIH Spotlight: Dr. Sara Jane Uhrich examines a week-old goat in the NIH animal hospital.

Looking more like the gay, attractive girl next door than a Doctor of Veterinary Medicine, Sara Jane Uhrich is well-embarked on a career heretofore largely pursued by men.

One of two women students to graduate last June from the University of Georgia School of Veterinary Medicine, Dr. Uhrich is already establishing precedents.

She is the first woman veterinarian to be appointed to the PHS's 76-year-old commissioned corps of medical officers, and the only woman veterinarian now employed at NIH.

Assigned to duty with the Laboratory Aids Branch of DRS two months ago, the petite, soft-spoken Dr. Uhrich is a junior assistant veterinary officer in the NIH animal hospital. Here, she helps to care for as many as 1,500 dogs, cats, monkeys, and other animals used in medical research.

The clean, spacious quarters at NIH and the meticulous care, Dr. Uhrich explains, insure that the animals are healthy subjects for use in medical research. All new animals, she points out, are carefully quarantined and conditioned, both nutritionally and medically.

As part of her service to NIH investigators, Dr. Uhrich puts her training in animal surgery to good use in researching for new methods and techniques which may eventually help other veterinarians in restoring injured animals to good health. New surgical techniques she employs include the use of metal prostheses to replace injured bone shafts in dogs, and the introduction of plastic "windows" into the skin of small animals for observation of metabolic processes.

Many of the animals arrive at NIH in conditions that warrant surgery. Dr. Uhrich became familiar with the PHS commissioned corps during the past three summers, spent at NIH under a selective training program known as COSTEP—Commissioned Officer Student Training and Extern Program. During her first two summers, she worked in the NIH animal hospital under the supervision of Dr. William I. Gay, head of the Animal Hospital Section, LAB. Last summer she joined an NIH research team in Puerto Rico, headed by Dr. William Windle, NINDB.

As a permanent employee, Dr. Uhrich is one of four highly qualified veterinarians who supervise the animal hospital. Perfectly at ease in a predominantly male profession, she demonstrates the confidence and gentleness essential to those who work with animals. She is not certain what prompted her decision to become a veterinarian, but finds unlimited satisfaction in her work.

World War II, he was Director of the Department of Physiology of the School of Aviation Medicine.

A graduate of Haverford College and the University of Pennsylvania School of Medicine, Dr. Masland is a Diplomate of the American Board of Neurology and Psychiatry. He is Vice President of the Association for Research in Nervous and Mental Disease, chairman of the membership committee of the American Academy of Neurology, and has served as president of the North Carolina Neuropsychiatric Association and of the American Epilepsy Society.

The author of over 300 scientific papers, Dr. Wyckoff is a member of numerous professional societies, including the National Academy of Sciences, and is past president of the International Union of Crystallography, the American Crystallographic Association, and the Electron Microscopy Society of America. He is a foreign member of the Royal Society of London and the Royal Netherlands Academy of Science and Literature.

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PREPARING GLASSWARE AT NIH IS MAJOR TASK

Investigators at NIH are often unaware of the availability of the wide range of scientific services that contribute to the success of their research projects. One such service is provided by the Laboratory Glassware Preparation Section, Laboratory Aids Branch, DRS, under the direction of Raymond M. Jones.

As the central facility for cleaning and sterilizing glassware, this Section receives, processes, and re-issues all common types and sizes of bacteriological glassware used in NIH laboratories. When shortages of certain types of glassware occur, supplies are replenished to meet the demand. New glassware is also processed to insure sterility. Last year, nearly five million pipettes, flasks, petri dishes, and other pieces of glassware were issued, a 25 percent increase over 1957. The estimated value of the glassware issued to NIH scientists in fiscal year 1958 totalled $1,732,524.

An important member of the Section's staff is a full-time glassblower who inspects all damaged pieces and repairs those that can be made serviceable. Other of the Section's 40 employees are responsible for sorting, inspecting, and wrapping glassware.

Processed glassware is sent to investigators on request or is issued from the central stockroom on the B2 level of Bldg. 10. A pickup and delivery service is available to buildings other than the Clinical Center. Instructions for requesting glassware services are contained in the NIH telephone directory on page 84 of the "yellow" section.

Glassware that is suspected of containing infectious materials is autoclaved before it is handled.

Washed pieces of glassware are wrapped and plugged with cotton before they are sterilized.

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Glassware that is suspected of containing infectious materials is autoclaved before it is handled.

Pipettes account for about 30 percent of the glassware received. They are washed and dried in a special machine, then inspected (above), and sterilized.

After sorting and rinsing to extract solids, glassware is placed in washing baskets and fed into this large washing machine. The machine provides 45 minutes of alternate washing and rinsing with a final drying cycle. Each piece is then inspected for cleanliness and breakage.

Moved racks containing baskets of glassware are rolled into this large dry sterilizer. Glassware is then cooled and shelved in the stockroom for distribution.