

amounting to \$495,000, provide for the establishment of two "Units for Research in Physiology as Related to Physical Medicine," for the purpose of improving knowledge in the field.

The larger of these two units will be at the Medical School of the University of Minnesota, for which the grant amounts to \$320,000. The work to be undertaken there will be an expansion of a project previously inaugurated designed to throw new light on the physiological problems encountered and on the clinical application of methods in the field of physical medicine. The general direction of the proposed investigation will be assigned to a committee consisting of the heads of the departments concerned, with Dr. Maurice B. Visscher, head of the department of physiology, as chairman.

Under a grant for \$175,000 the second unit will be established at the Medical School of Northwestern University, which was one of the first institutions to adopt a department of physical medicine and to encourage research in this specialty.

The third long-term grant of \$325,000 was made to the School of Public Health of the University of Michigan to finance a virus study unit. This unit represents a direct attack on the cause of the disease since it provides both for virus research and for the training of virologists. The work at the University of Michigan will continue to be under the direction of Dr. Thomas Francis, Jr., professor of epidemiology.

#### THE NEW YORK ZOOLOGICAL SOCIETY

AFTER an informal luncheon meeting of the New York Zoological Society on June 15, which was at-

tended by forty-three fellows representing various branches of science, it was announced by Fairfield Osborn, president of the society, that after the war it is proposed to erect at a cost of \$200,000 a biological and pathological research center in the Bronx at or near the Zoological Park.

It was stated that in no case does the plan entail use of any of the animal collections for experimental purposes in pathological studies. Only animals that become sick or die will be used. It is planned to keep the center open twenty-four hours a day, available to students in medical centers and universities.

The tentative plans call for a two-story building consisting of laboratories for research in chemistry, biology, bacteriology, parasitology, physiology, photography, etc. It is proposed to appoint a scientific advisory council to put the plans into effect.

Fellows present at the meeting who took part in the discussion included Dr. Francisco Duran-Reynals, associate professor of medicine at the medical school of Yale University; Dr. George M. Smith, associate of the department of anatomy, School of Medicine of Yale University; Dr. Robert Cushman Murphy, chairman of the Department of Birds, American Museum of Natural History; Dr. Ernst Mayr, curator of the Whitney-Rothschild Collections, Department of Birds, American Museum of Natural History; Dr. John S. Nicholas, Sterling professor of zoology, Yale University; Dr. A. E. Parr, director of the American Museum of Natural History; Dr. Horace W. Stunkard, professor of physiology, New York University, and Dr. William Beebe, honorary curator and director of the department of tropical research of the society.

## SCIENTIFIC NOTES AND NEWS

THE honorary degree of doctor of science was conferred by Tulane University at its commencement on May 31 on Dr. T. Wayland Vaughan, B.S., 1889, associate in paleontology of the U. S. National Museum, in recognition of his contributions to geology and oceanography.

DR. AUSTIN McDOWELL PATTERSON, professor emeritus of chemistry of Antioch College, now principal specialist in chemical education for the Engineering, Science and Management War Training Program of the U. S. Office of Education, received the honorary degree of doctor of science at the annual commencement exercises of the college.

THE staff of the department of botany, and graduate students in plant physiology, of the University of Chicago gave a dinner on June 5 in honor of Dr. and Mrs. Charles A. Shull. There were twenty-nine persons present. Dr. E. J. Kraus was toastmaster.

After the dinner, Dr. Walter F. Loehwing spoke on Dr. Shull's influence on plant physiology through his researches, his leadership in the American Society of Plant Physiologists and as editor of *Plant Physiology*. Dr. Scott V. Eaton presented a bound volume of eighty-eight letters from students, colleagues in the department of botany and a few friends to which Dr. Shull responded. Mrs. Shull, who recently published her second volume of poems, read a poem composed especially for the occasion. Dr. Shull will retire at the end of September. He and Mrs. Shull will move to Asheville, N. C.

CLIFFORD H. POPE, curator of amphibians and reptiles at the Chicago Natural History Museum, and Dr. Ernst Mayr, curator of the Whitney-Rothschild Collections of the American Museum of Natural History, have been elected fellows of the New York Zoological Society.