

The new quarters of the department comprise some 30,000 square feet of floor space. In 1872 the systematic study of insects at the university began in the tower room of McGraw Hall, just below the university's great bell and the nine smaller bells of the McGraw chimes. John Henry Comstock, then a junior in the Natural History Course, was also master of the chimes. In the fall term of 1872-73 C. V. Riley, of St. Louis, Missouri, gave a course of twelve lectures on economic entomology, but it was not until the next year, with Dr. Comstock an instructor in economic entomology in the School of Agriculture, that resident courses in the subject were given. In 1881 the department was moved to the second floor of White Hall, and since 1906 had been housed in Roberts Hall.

The work in entomology, limnology and apiculture now occupies the five floors of Comstock Hall, with a staff of nine professors under the headship of Dr. James G. Needham, '98, two assistant professors and twelve instructors. Ornithology, under the direction of Professor Arthur A. Allen, '07, remains in McGraw Hall. In addition to the numbers of undergraduates who take courses

in the department, fifty-six graduate students chose majors in entomology in 1933-34.

Outlying links with the department include an insectary, an experimental fish cultural station, a biological field station, and three wild life preserves, all of them aggregating 650 acres.

RECENT DEATHS

DR. THEOBALD SMITH, president of the board of scientific directors of the Rockefeller Institute for Medical Research, from 1915 to 1929 director of the department of animal pathology at Princeton, New Jersey, died on December 10 at the age of 75 years.

DR. PALMER C. RICKETTS, president since 1901 of the Rensselaer Polytechnic Institute and a member of the faculty since 1875, died on December 10 at the age of 78 years.

SIR HORACE LAMB, from 1885 until his retirement in 1920 professor of mathematics at Owens College and the University of Manchester, has died at the age of 85 years.

SCIENTIFIC NOTES AND NEWS

DR. GEORGE H. WHIPPLE, of the School of Medicine and Dentistry of the University of Rochester, and Dr. George R. Minot and Dr. William P. Murphy, of the Harvard Medical School, joint recipients of the Nobel prize in physiology and medicine, were present at ceremonies held in Stockholm, on December 10, on the occasion of the presentation to them by King Gustaf of the diplomas, gold medals and money awards. Professor Harold C. Urey, of Columbia University, who was awarded the prize in chemistry, was unable to be present, but expects to go to Stockholm in February.

At the annual dinner and meeting of the New York Academy of Sciences, to be held at the American Museum of Natural History on December 17, the speakers will be Dr. Harlow Shapley, director of the Harvard College Observatory, and Dr. Clyde Fisher, of the American Museum. The subjects of their addresses are, respectively, "An Explorer in the Metagalaxy" and "The Sun and Moon in Motion Pictures."

DR. CHARLES NORRIS, who since 1918 has been chief medical examiner of New York City, has been presented with a gold medal by the New York Academy of Medicine for "his outstanding work in forensic medicine." On this occasion Dr. James Ewing made the presentation, and Mayor La Guardia delivered an address.

DR. ERNEST BROWNING FORBES, director of the Institute of Animal Nutrition of the Pennsylvania State College, was the honor guest of the American Society

of Animal Production at its twenty-seventh annual meeting in Chicago on November 30 and December 1. At the banquet, a portrait of Dr. Forbes, painted by Robert W. Grafton, was presented to the Saddle and Sirloin Club for inclusion in its portrait gallery of those who have notably served animal industry and agriculture.

A PORTRAIT of Dr. Leo F. Rettger, professor of bacteriology at Yale University, was presented to the department by his friends and former students at a meeting on December 1 of the Connecticut River Valley Branch of the Society of American Bacteriologists. The portrait was painted by W. S. Cummings, of the Yale School of Fine Arts.

DR. GEORGE A. BOLE, for nine years director of ceramic research in the Engineering Experiment Station of the Ohio State University, was recently presented by the Ohio Ceramic Industries Association, in recognition of his contributions to the ceramic industry, with three vases, the work of Dr. Charles F. Binns, whose death has since occurred, accompanied with an illuminated manuscript. Presentation was made at the annual meeting of the association by W. Keith McAfee, past-president, who spoke briefly of the career of Dr. Bole.

A. E. MARSHALL, consulting chemical engineer of New York City, was reelected president of the American Institute of Chemical Engineers at its recent annual meeting in Pittsburgh.

PROFESSOR ARTHUR W. HIXON, of Columbia Uni-