BOTANICAL SURVEY OF THE ALASKA MILITARY HIGHWAY

A SECOND expedition to the Alaska Highway, sponsored jointly by the Arnold Arboretum, the Joint Economic Committees, Canada-United States, and the Robert S. Peabody Foundation for Archæology, returned to Boston on September 19.

The field work was in charge of Dr. Hugh M. Raup, of the Arnold Arboretum, Harvard University, and formed a continuation of investigations begun in the summer of 1943. The party included Frederick Johnson, of the Peabody Foundation for American Archæology at Andover, Mass.; Lucy C. Raup, botanist; John H. H. Sticht, of the department of geology, Harvard University; Dr. Stuart K. Harris, of the department of biology, Boston University, and Karl and David Raup.

The necessary funds were provided by grants from the Milton Fund at Harvard, the American Philosophical Society, the National Academy of Sciences, the Society of the Sigma Xi, the Peabody Foundation and the Geological Society of America. Field equipment was loaned by the National Museum of Canada, and transportation in the field was supplied by the Northwest Service Command of the United States Army.

The party left Boston on May 31, and Whitehorse, Yukon, on June 14. Most of the season was occupied with geological, botanical and archeological reconnaissance surveys along the highway between Whitehorse and Fairbanks, thus supplementing the work of 1943 which extended from Dawson Creek to Whitehorse. The latter half of June and most of July were spent at Pine Creek in the Dezadeash River district about 100 miles west of Whitehorse, and in the Kluane Lake region. After a brief stay in Fairbanks, the party returned to the upper Tanana River district for about two weeks, and then spent another week at Kluane Lake and Pine Creek for late summer collecting. In the first ten days of September they traveled southward to Edmonton by way of Dawson Creek, with brief stops at Teslin and Muncho Lakes, Summit Pass and the Buckinghorse River.

The combined botanical collections, from two summers in the field, approximate 4,000 numbers, with ample duplicates for future distribution.

RESEARCH CONFERENCE ON X-RAY AND ELECTRON DIFFRACTION

THE University of Pittsburgh will hold the first of a series of annual research conferences on X-ray and Electron Diffraction on Friday and Saturday, November 3 and 4. The program includes a series of papers contributed mainly by men from the University of Pittsburgh, the Carnegie Institute of Technology and from the x-ray and electron diffraction laboratories of industries in the Pittsburgh area.

The Friday afternoon session will deal with x-ray diffraction investigations on wheat flour gluten, electrolytically deposited silver on cold rolled metals, anhydrous iron-alkali sulfates, coloring agents in mottled silica brick, sodium bicarbonate-sodium carbonate conversion and tungsten-molybdenum alloys.

On Friday evening there will be invited papers covering x-ray diffraction studies on materials of physical and metallurgical interest by Professor W. P. Davey, of the Pennsylvania State College, and on materials of biological interest by Professor I. Fankuchen, of the Polytechnic Institute of Brooklyn.

The theory and application of electron diffraction, chemical and metallurgical analyses by electron microscopy, the use of electron microscopy in confirming indirect methods for determining dimensions of colloidal particles, and special techniques in x-ray diffraction will be included in a session on Saturday morning. Participants in the conference are invited to inspect the x-ray diffraction laboratories of the district on Saturday afternoon.

All sessions will be held in the auditorium of the Mellon Institute. Any one interested is welcome to attend the conference and may secure further information concerning details from Dr. S. S. Sidhu, of the University of Pittsburgh.

CONSULTANTS IN NUTRITION OF THE SURGEON GENERAL

To help the Army to meet the initial responsibility as well as to advise on problems of nutrition among the military forces, a group of experts in nutrition has been appointed consultants to the Surgeon General. The new appointees include:

Dr. Otto A. Bessey, chief of the division of nutrition and physiology and director of the Public Health Research Institute, New York City;

Dr. E. V. McCollum, research professor of biochemistry, School of Hygiene and Public Health, The Johns Hopkins University;

Dr. Julian M. Ruffin, associate professor of medicine, Duke University;

Dr. Frederick J. Stare, associate professor of nutrition, School of Public Health, Harvard University;

Dr. Harold C. Stuart, director, Center for Research in Child Health and Development and Department of Child Hygiene, Harvard School of Public Health.

Dr. Virgil P. Sydenstricker, professor of medicine, and physician in chief, University Hospital.

AWARD OF THE GOLD MEDAL OF THE NEW YORK ACADEMY OF MEDICINE

THE Gold Medal for distinguished service in medicine of the New York Academy of Medicine was presented to Dr. Oswald T. Avery, of the Rockefeller

Institute for Medical Research, at a meeting of the academy on October 5.

This is the first time the medal has been awarded since 1938. The previous recipients of the award are:

Dr. Carl Koller	1930
Dr. David Marine	1931
Dr. Charles Norris	1934
Dr. Alfred Newton Richards	1936
Dr. Bela Schick	1938

The citation delivered by the president of the academy, Dr. Arthur Freeborn Chace, follows:

Dr. Oswald T. Avery, for more than thirty years you have been on the staff of the Rockefeller Institute for Medical Research, and your investigations have led to discoveries and great advances in the science of bacteriology. With Dochez, in 1917, you discovered the "soluble specific substance" of the pneumococcus, and in the early twenties you revealed that it was a polysaccharide different from each of the three types of pneumococci studied. But you have persisted for years in your quiet, modest way, and have ever given credit to others. During this present year with Mac Leod and MacCarty, you have studied the transformation of one type of pneumococcus into another and isolated the "transforming principle" as a thymonucleic acid. This discovery has very far-reaching implications for the general science of biology. I have the pleasure and the honor of presenting to you the Medal of The New York Academy of Medicine, which is awarded to one who has contributed in a distinguished way to the progress of medicine.

SCIENTIFIC NOTES AND NEWS

DR. ERNEST W. GOODPASTURE, professor of pathology at the School of Medicine of Vanderbilt University, was presented with the Sedgwick Memorial Medal at the opening ceremonies in Philadelphia on October 3 of the War-time Conference and annual meeting of the American Public Health Association.

THE Charles Matthews Manly Medal of the Society of Automotive Engineers was awarded on October 6 to John Otto Almen, of the General Motors Research Laboratories, Detroit. The award was made in recognition of his work in developing methods and data for increasing by shot blasting the working strength of metals and of engine parts.

DR. FLORENCE SEIBERT, associate professor of biochemistry at the Phipps Institute of the University of Pennsylvania, was presented at the White House on October 6 with the medal of the National Achievement Award sponsored by Chi Omega. This award, made annually to "an American woman of notable accomplishments," was awarded to Dr. Seibert in recognition of "her outstanding research in connection with tuberculosis."

WATSON DAVIS, director of Science Service, was one of the four recipients of bronze journalism medals presented by the School of Journalism of Syracuse University at its tenth anniversary dinner on October 6 in recognition of his "distinguished service in interpretation of science."

DR. G. H. PARKER, professor of zoology emeritus of Harvard University, was elected an honorary member at the Cleveland meeting of the American Society of Naturalists.

THE honorary degree of doctor of science was conferred on September 27 by Marquette University on Brigadier General James Stevens Simmons, U.S.A., chief of the Preventive Medicine Service, Office of the Surgeon General, U. S. Army. On this occasion he delivered the commencement address at the School of Medicine.

OFFICERS of the Virginia Chapter of Sigma Xi have been elected as follows: *President,* Dr. Frederick L. Brown, professor of physics, to succeed Dr. Ladley Husted, of the department of biology; *Vice-president,* Dr. Robert E. Lutz, professor of organic chemistry; *Secretary,* Dr. Joseph K. Roberts, professor of physics, and *Treasurer,* Dr. Lawrence R. Quarles, associate professor of geology.

CHARLES DERLETH, JR., professor of civil engineering and until 1942 dean of the College of Engineering of the University of California at Berkeley, retired on October 2.

DR. E. C. ROSENOW, who on July 1 became emeritus professor of experimental bacteriology of the Mayo Foundation Graduate School of the University of Minnesota, will continue his research work at the California Institute of Technology.

DR. J. T. MCCLINTOCK, for forty-two years professor of physiology and head of the department in the College of Medicine of the State University of Iowa, retired on July 1. Professor H. M. Hines, of the same department, has been appointed to succeed him. Dr. Kendrick Hare, formerly of the department of anatomy, has been appointed associate professor of physiology, and Dr. S. B. Barker, of the University of Tennessee at Memphis, has joined the department as assistant professor. Dr. C. A. Winter has become assistant professor of physiology at the School of Medicine of the University of Oklahoma.

DR. ARNOLD J. LEHMAN, of the College of Medicine of Wayne University, has been appointed professor