constantly employed to bombard a tungsten target for long intervals, but no evolution of helium has so far been observed.

A RESEARCH FELLOWSHIP IN BACTERIOLOGY

THE Society of American Bacteriologists at its recent meeting in Philadelphia, appropriated a fund for the support of a research fellowship in pure bacteriology. While excellent work is being carried on in many places, nearly all the problems under investigation have as their aim a practical application and there are, therefore, many gaps in our knowledge of fundamental principles. The society, believing it to be the duty of bacteriologists to fill these *lacunæ,* requires that the line of work to be carried on under its fund must concern a purely scientific and fundamental phase of bacteriology, although a certain latitude of choice will be permitted, conditioned by the previous training and the desires of the research fellow himself.

Applicants for the fellowship must have the degree of B.S. or its equivalent. The successful candidate, through arrangements now being made, will receive academic credit for the work done from a university of recognized standing. One hundred dollars a month will be available for the living expenses of the fellow. Approximately half his time will be devoted to details connected with the society's collection of bacteria, deposited at the Army Medical Museum.

The selection of the research fellow will be in charge of a committee consisting of:

Dr. Victor C. Vaughan, chairman of the Medical Section, National Research Council, *Chairman.*

Captain C. S. Butler, Medical Corps, U. S. Navy, commandant, Naval Medical School.

Dr. Geo. W. McCoy, director of the Hygienic Laboratory, U. S. Public Health Service.

Dr. John R. Mohler, chief, Bureau of Animal Industry.

Mr. L. A. Rogers (president of the Society of American Bacteriologists), in charge of research laboratory, Dairy Division, Bureau of Animal Industry.

Colonel Joseph F. Siler, Medical Corps, U. S. Army, Division of Sanitation, Office of the Surgeon General of the Army.

Dr. Erwin F. Smith, pathologist in charge, Laboratory of Plant Pathology, Bureau of Plant Pathology.

This committee will have general supervision of the work, approve the problem selected and pass upon the thesis which the fellow will submit as the report of his research. Applications for and communications concerning the research fellowship should be addressed to the chairman of the committee, Dr. Victor C. Vaughan, National Research Council, Washington, D. C.

A. PARKER HITCHENS,
Secretary of the Committee
ARMY MEDICAL SCHOOL,
WASHINGTON, D. C.

THE CULTURE COLLECTION OF THE SOCIETY OF AMERICAN BACTERIOLOGISTS

THE Society of American Bacteriologists has taken over the collection of cultures which for the past ten years has been maintained at the American Museum of Natural History by Professor C.-E. A. Winslow, and has deposited it at the Army Medical Museum, where facilities have been arranged for its housing and maintenance.

The following committee will be in charge:

Dr. J. M. Sherman, Dairy Division, Bureau of Animal Industry, *Chairman.*

Major G. R. Callender, curator of the Army Medical Museum.

Dr. Geo. W. McCoy, director of the Hygienic Laboratory, U. S. Public Health Service.

Major H. J. Nichols, Army Medical School.

The president of the society.

The secretary of the society.

These and other members of the society in and near Washington will do volunteer work and the research fellow will do part time work in maintaining the collection. No charge will be made for cultures. In making requests, the classification of the society should be followed as far as possible. Mail should be addressed to the Department of Bacteriology, Army Medical Museum, 7th and B Streets, S. W., Washington, D. C.

J. M. SHERMAN
Chairman of the Committee

STATION FOR THE STUDY OF DECIDUOUS FRUITS AT STANFORD UNIVERSITY

THE United States Government has established an experiment station on the Stanford campus in cooperation with the university for scientific work on the breeding and improve-

ment of deciduous fruits. The university has furnished 20 acres of land together with irrigation water free of charge, and on this plot the Bureau of Plant Industry of the Department of Agriculture, under the direction of W. F. Wight, is planting trees designed to be a basis of extensive experiments in the breeding, selection and domestication of various fruits for the purpose of developing varieties having greater disease resistance and better adapted for cultivation than those now grown.

Mr. Wight is in charge of the horticultural and pomological investigations of the Chico Experiment Station and cooperating with him as representative of the university is Professor Leroy Abrams of the department of botany of the university.

The Stanford campus was selected for an experiment station because the Santa Clara Valley supports a greater variety of deciduous fruits than any other place in the country, and also because Stanford will be the headquarters for the work in fruit classification studies for this part of the country, and perhaps ultimately for the Pacific Coast. The library facilities, as well as collections of the fruits to be studied, are necessary for the work.

The work carried on at Stanford will be of local value to the Santa Clara Valley on account of the attention that will be paid to the apricot and prune, but will be of wider scope. It is planned to make a study of the varieties of pears of high quality and resistance to pear blight. It is hoped that the work will be of value wherever deciduous fruits are grown in this country.

It is planned to carry on experiments through a period of at least ten years with the probability that they will be continued indefinitely. By the agreement between the government and the university, all plant material in the experiment station will be available to the department of botany of the university for study and investigation, provided such work does not interfere with the government's undertaking. The distribution of the material will probably be through state experiment stations, nurseries and to individual growers where the latter are in a position to grow a given variety on a commercial basis.

THE AMERICAN PHYSICAL SOCIETY

THE one hundred and fifteenth regular meeting of the American Physical Society will be held in Washington, at the Bureau of Standards, on Friday and Saturday, April 21 and 22, 1922. The first session will begin at 10 o'clock on Friday morning.

The Association of Scientific Apparatus Makers will hold meetings at the Bureau of Standards on the same days as will the American Physical Society. Arrangements have been made for a joint informal dinner on the evening of Friday, April 21. It is expected that addresses will be made by Dr. S. W. Stratton in behalf of the Bureau of Standards, by Professor F. K. Richtmyer, representing the Association of Apparatus Manufacturers, and by Professor R. A. Millikan, representing the American Physical Society. Arrangements are being made for an exhibit of scientific apparatus at the Bureau of Standards.

The other meetings for the calendar year will be as follows: The Thanksgiving meeting, on November 25, 1922, will be held at the University of Chicago. The annual meeting, beginning on December 26, will be held in Boston, in affiliation with the American Association for the Advancement of Science.

The Pacific Coast Section will hold a meeting at Salt Lake City, at the time of the meeting of the Pacific Division, A. A. A. S., on June 22, 23 and 24, 1922. Correspondence relating to this meeting should be addressed to the secretary of the Pacific Coast Section, Professor E. P. Lewis, University of California, Berkeley, California.

DAYTON C. MILLER,
Secretary

SCIENTIFIC NOTES AND NEWS

A CELEBRATION was held at Bryn Mawr College on April 11, in honor of Professor Charlotte Angus Scott, who has been head of the department of mathematics since the college opened in 1885. Professor Albert N. Whitehead, of the University of London, came to America to make the principal address. Among those who planned to be present were: Professors George David Birkoff, Harvard; Ernest William Brown, Yale; Emilie Norton Martin,