

gram may be obtained from the Fellowship Office, National Academy of Sciences-National Research Council, 2101 Constitution Ave., NW, Washington 25, D.C. The closing dates for receipt of applications are 23 December 1957 for postdoctoral applicants, and 3 January 1958 for graduate students working towards advanced degrees in science.

Applications for the senior postdoctoral and the science faculty fellowships may be obtained from the Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C. Completed material must be received not later than 13 January 1958.

Teaching Films

A sound-track teaching film, "Respiratory Gases and the Determination of the Respiratory Quotient," may be purchased or rented from the Bureau of Audio-Visual Instruction, State University of Iowa. The reel, which was produced by the department of physiology, provides demonstrations of several instruments, including the Haldane gas analyzer, and shows a sample calculation that might be required of students. Two additional teaching films are being planned.

Protein Molecule That Contains Cadmium

A protein of low molecular weight that contains 2.2 percent cadmium has been isolated from the cortex of the horse kidney by Marvin Margoshes and Bert L. Vellee of the department of medicine at Harvard Medical School. The exact physiological function of the cadmium has not yet been determined. However, isolation of the cadmium-containing protein bears out an earlier hypothesis that cadmium, like zinc, could be part of protein molecules that occur naturally. The work was reported in a recent issue of the *Journal of the American Chemical Society*.

New Biology Quarterly

A new quarterly journal, *Perspectives in Biology and Medicine*, has been announced by the Division of Biological Sciences at the University of Chicago. The journal, which is dedicated to a multidisciplinary approach to the problems of biology and medicine, will present new hypotheses and concepts as well as interpretive essays dealing with recent and current research.

Dwight J. Ingle and S. O. Waife are the editors for the publication. They will be assisted by an 11-member editorial

board and by a 12-man advisory board that includes Sir Henry Dale of London, B. A. Houssay of Buenos Aires, and U. S. von Euler of Stockholm. Subscriptions for the journal (\$6) are now being accepted by the University of Chicago Press, 5750 Ellis Ave., Chicago, Ill.

Graduate Education

The Carnegie Corporation of New York has announced that it will sponsor a 2-year, \$100,000 study of graduate education in the United States. The project will be conducted by Bernard Berelson, who returned to the University of Chicago on 1 October as professor of the behavioral sciences. Since 1951, Berelson has been director of the Ford Foundation's behavioral sciences program.

The survey will be concerned with the objectives, standards, and functions of the graduate school in the American system of higher education. Berelson will make a broad review of the history of graduate education and its institutions in order to locate and interpret major trends and active issues.

Among the specific topics he will examine are the recruitment of students and placement of graduates; relations between graduate education and professional education, and between graduate education and undergraduate programs; the development of postdoctoral programs; and problems of financial support. The final report will discuss the important issues and problems facing graduate education, current policies and alternatives, and make recommendations about the formation of graduate school policies in the coming decades.

News Briefs

A 36-circuit submarine telephone cable system, probably the world's longest and deepest, has recently been completed. The two cables in the system cross the Pacific between Point Arena, Calif., and Hanauma Bay near Honolulu, Hawaii. The lines were laid by the American Telephone and Telegraph and the Hawaiian Telephone Company at a cost of \$37 million. American and Canadian operators can now dial any number on the island of Oahu, and conversely, Honolulu operators can dial 6900 American and Canadian towns.

A new twin-tailed comet has been discovered. It was first sighted by Howard S. Gates of the Mount Palomar Observatory.

New York University plans a \$1,750,000 expansion of its College of Dentistry. A ten-story building has been purchased

that will complete the development of a Dental Center. The new quarters will at least double the area for teaching the clinical sciences in dentistry.

A survey of New York City's high school seniors was conducted recently in an effort to determine the percentage of students who were considering science as a career. The survey was carried out by Samuel Schenberg, Science Supervisor of the New York City Board of Education, and is reported in the 30 September issue of *Chemical and Engineering News*.

Fifteen scientists from five continents recently participated in a 5-day conference in Washington, D.C., to study the classification of atherosclerotic lesions. The meeting, which was called by the World Health Organization, was conducted by the Pan American Sanitary Bureau with collaboration of the National Heart Institute.

An educational TV series entitled *International Geophysical Year* has been arranged by National Broadcasting Company and the Educational Television and Radio Center. The 10-week program begins on 28 October. Six well-known scientists are participating: Joseph Kaplan, Roger R. Revelle, Laurence M. Gould, the Rev. J. Joseph Lynch, Lloyd V. Berkner, and Walter O. Roberts.

Exercises in commemoration of John Clayton, a botanist of the American colonial period, were held on 11 October in Williamsburg, Va., under the sponsorship of the College of William and Mary and the Garden Club of Virginia.

A safe, portable container for radioisotopes used to x-ray ship structures has been developed at the U.S. Naval Ordnance Laboratory. In addition to its primary purpose, the exposure fixture, which was built by John C. Friedrichs of the X-Ray Laboratory, also provides a means of temporary storage.

Soviet Scientific Literature

An article on the "Publication of Scientific Literature in USSR During 1957" appeared in a recent issue of *Current Science*, a journal that is published in India for the Current Science Association, Bangalore. The article said:

"The USSR Academy of Sciences will put out close to 1,500 titles and issue Journals [containing a total of] . . . 32,000 signatures in 1957. The range of subjects will cover all spheres of the humanitarian, natural and technical sciences.

"In the scientific and technical part of the programme of publications envisaged by the Academy, mention may be made