

USDA's Agricultural Research Service.

Requests for foreign plant materials by U.S. research agencies and corresponding requests for U.S. seed from abroad are cleared at USDA's Plant Industry Station, Beltsville, Md. In the U.S.S.R., all exchange of seed is through the All-Union Institute of Plant Industry, Leningrad.

Bibliography Service for Biological Photography

The Medical Group of the Royal Photographic Society of Great Britain has announced the establishment of a bibliography service for papers on photographic techniques with applications in the medical and biological sciences. Such papers are published in a very large number of journals, and it is therefore difficult to use the existing literature for solving both theoretical and practical problems.

The bibliography consists of punch cards, each of which carries an abstract of an original article. Almost 400 new cards are added annually. The present total of such classified abstracts is more than 2000. The cards are grouped under "Kinematography," "Photography," "Administration," and "Microscopy" before they are subdivided further. The librarian is therefore able to cite references of papers which have a bearing on any problem concerned with photography in medicine or biology.

The service is extended, free of charge, to all bona fide inquirers. Detailed requests for references to the literature should be addressed to: J. A. Fairfax-Fozzard, School of Anatomy, University, Cambridge, Great Britain.

Grants, Fellowships, and Awards

Atomic energy. The Atomic Energy Commission is accepting applications for 237 graduate fellowships for 1960-61 in nuclear science and engineering, health physics, and industrial hygiene. All 237 are for U.S. citizens. Information about the three programs may be obtained from the Fellowship Office, University Relations Division, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn. A description of each program follows.

1) Nuclear science and engineering: 150 fellowships are available for first, intermediate, and final years of graduate school. The prerequisites are a bachelor's degree in engineering or

physical science, and mathematics through differential equations. The fellowships are for 12 months of study at 49 participating universities. The basic stipend is \$1800 for the first year, \$2000 for the intermediate year, and \$2200 for the final year, with additional allowances for dependents. The fellowships are awarded on a 1-year basis, but renewals are available. The deadline for filing applications is *1 January 1960*.

2) Health physics: 75 fellowships, five leading to the Ph.D. degree and 70 for 1 year of graduate study, are being offered in this program. The five fellowships for advanced training in health physics, leading to a doctorate in disciplines closely related to health protection, will be available each year. Applicants must be actively engaged in health-physics work and have a minimum of 2 years of productive experience in the field. Fellows may choose their graduate school, subject to the concurrence of the ORINS Fellowship Board. The stipend is \$4000 per year plus \$400 for each dependent. Up to \$2500 per year is allowed to the graduate school selected, to cover tuition and extraordinary costs. The deadline for applications is *1 February 1960*.

To be eligible for any of the other 70 fellowships, the applicant must have a bachelor degree in biology, chemistry, engineering, or physics, with adequate preparation in related fields, and must have completed mathematics through calculus. Participants must be under age 35. These fellowships provide for an academic year of formal work at an assigned university, followed by three summer months of training at an AEC installation. Participating institutions are Harvard and Vanderbilt and the universities of California, Kansas, Michigan, Rochester, and Washington. Commission installations cooperating in the program are Argonne, Brookhaven, and Oak Ridge national laboratories, Lawrence Radiation Laboratory, National Reactor Testing Station, and Hanford Atomic Products Operation. A limited number of extensions are available for additional work to complete the master's degree. The stipend is \$2500 for 12 months, with an additional allowance for dependents. The deadline for applications is *1 February 1960*.

3) Industrial hygiene: 12 fellowships are available in this program, which leads to the master's degree. An applicant must be under 35 years of age and must have a bachelor's degree, with a

major in physics, chemistry, or engineering. Additional academic training or industrial experience is desirable. The fellowship is for one academic year, and the stipend is \$2500. There are additional allowances for dependents and for industrial experience. The participating institutions are Harvard and the universities of Cincinnati, Michigan, and Pittsburgh. The deadline for applications is *1 March 1960*.

Biological sciences. Applications are invited for the third annual Turtox Scholarship established by General Biological Supply House, Inc. The \$5000 award is open to any U.S. citizen who is currently, or who has been, enrolled in a graduate school and who is, or is contemplating, continuing study for the doctorate degree in botany, zoology, or biology. The award will be based upon evidence bearing upon the promise of the applicant as a prospective teacher and research scholar. Application blanks may be obtained from the chairman of the award committee, Professor Frank A. Brown, Jr., Department of Biological Sciences, Northwestern University, Evanston, Ill. Completed forms must be returned by *1 February 1960*.

General Atomic. The Oak Ridge Institute of Nuclear Studies has issued a 24-page illustrated brochure describing the research-participation opportunities for college and university faculty members that exist at Oak Ridge. This program provides faculty members with appointments of from 3 months to a year on research staffs of Oak Ridge laboratories. The laboratories in which research opportunities exist touch virtually every field of scientific endeavor. Copies of the new brochure and application blanks are available from the ORINS University Relations Division, P.O. Box 117, Oak Ridge, Tenn. Applications for summer appointments (of 3 months' minimum duration) should be submitted to ORINS, with letters of recommendation, by *15 December*.

Physics. The Organization of American States and the National Atomic Energy Commission of Argentina have announced cosponsorship of an 8-week Summer Institute of Physics to be held at San Carlos de Bariloche, Argentina, beginning about 18 January 1960. The major purpose of the institute is to give intensive graduate-level training in solid-state physics, nuclear physics, and electronics to university physics professors and instructors throughout the hemisphere.

Approximately 15 fellowships, which will provide funds for international