

SCIENCE EDUCATION

Careers in College Physics Teaching

The latest in the series of AIP career booklets, entitled *Careers in College Physics Teaching*, is now available to those who are considering academic careers in physics. The five coauthors of the booklet have written short articles, setting forth their individual views about the situation, the satisfactions, and the problems of the physics teacher. W. C. Elmore (Swarthmore) has written about teaching physics to undergraduates, Janet Guernsey (Wellesley) about teaching physics in a liberal-arts college for women, S. Winston Cram (Kansas State Teachers College) about teaching future high-school physics teachers, Jay Orear (Cornell University) about teaching physics in a large university, and Ronald Geballe (University of Washington) about graduate teaching in physics. The final section of the booklet is devoted to more general kinds of information, including some of the statistics concerning supply and demand in college physics teaching, information on salaries and work loads, suggestions about the preparation required for a career in college physics teaching and about finding a teaching position, and a list of sources of further information. Copies of the booklet can be obtained without charge from the American Institute of Physics, Public Relations Department, 335 East 45th Street, New York 17, N. Y.

Grants and Awards

The Bendix Corporation has made possible a new award program for Student Sections of the American Institute of Physics that will provide, on the basis of an annual competition, grants to support local Section activities. Proposals for projects submitted by the Sections will be reviewed by a panel of judges, which will select several considered as the most likely to strengthen the Student Sections program, and rank them in order of merit. Grants totaling \$1400 per year, but not exceeding \$500 for any individual project, will be made for the support of the three or four most meritorious proposals. Although each proposal will be required to have the endorsement of the Section's faculty advisor, its planning and writing will be the responsibility of the student members. This year's proposals must be submitted to the AIP by the end of October, and the awards will be announced early next year.

Grants in aid of scientific research are again being offered by the American Academy of Arts and Sciences. The amount of the award will in most cases fall within the \$500-\$1500 range. Applications from individual scientists who are beginning their careers or are handicapped by inadequate resources or research facilities will be favored. Applications must be filed in triplicate and must be received by the Academy not later than

August 15. The required application forms can be obtained from the Chairman, Committees on Research Funds, American Academy of Arts and Sciences, 280 Newton Street, Brookline 46, Mass.

The Textile Research Institute has announced the availability of postdoctoral fellowships for scientists holding doctorates in the physical or engineering sciences who are interested in doing basic research on fibers and fiber systems. The Institute, which is conducting a graduate research and education program in cooperation with Princeton University, will make appointments for terms of one or two years. Stipends will range from \$7200 to \$9000 per year. Those interested should request application forms and further information from Dr. L. Rebenfeld, Textile Research Institute, Princeton, N. J.

September 4 is the deadline for applications for National Science Foundation postdoctoral fellowships in the sciences and in the history and philosophy of science. Some 65 fellowships will be awarded for advanced study or research at nonprofit institutions in the US or abroad by American citizens or nationals who have the doctoral degree or its equivalent in research training and experience. Application forms can be obtained from the Fellowship Office, National Academy of Sciences, 2101 Constitution Avenue, N.W., Washington 25, D. C.

Under another program in support of science education, the National Science Foundation has awarded 55 grants totaling \$609 945 to 38 state academies of science and other institutions to help meet the educational needs of students and teachers in secondary schools, and, in some cases, in small colleges. The grants are intended to provide support for a variety of projects, including visiting scientist programs, junior academies of science, student seminars, short-term teacher courses, and other experimental approaches to science education.

Study Programs

Short, advanced-level science courses organized on an international basis may be eligible for financial support under the Advanced Study Institute Program of the North Atlantic Treaty Organization. The NATO Program, which is supporting 27 courses this year, is expected to continue next year to provide grants for administrative expenses, publication of proceedings, and underwriting the expenses of foreign visitors. The courses should have a scheduled duration of two weeks or longer, and should include participants from several countries. Those interested in organizing such courses