

SCIENCE EDUCATION

Latin American Fulbrights

Opportunities for university lecturing and advanced research in Latin America for 1966 are available under the Fulbright-Hays Act. They include: Brazil, solid-state physics (two awards, lectures in English), undesignated fields (four awards, applications in any field); Chile, methodology of science teaching; Colombia, physics; Ecuador, astronomy; and Uruguay, physics (one month, Spanish not essential), solid-state physics (six months, Spanish helpful but not essential). Applicants must be US citizens. Prospective lecturers must have teaching experience at the level for which application is made. For research, a doctoral degree at the time of application, or recognized professional standing is essential. Candidates should have a good speaking knowledge of Spanish unless otherwise noted. Application forms and further information can be obtained from the Committee on International Exchange of Persons, Conference Board of Associated Research Councils, 2101 Constitution Ave., Washington, D.C. 20418. Applications will be accepted as long as vacancies exist.

Technicians in physics

The proceedings of a conference on education of research assistants in physics and related fields, held in January, 1964 at El Camino College, Calif., have been issued by the American Institute of Physics. Jointly sponsored by the AIP and El Camino College, the conference was attended by some thirty-four representatives from local industry, two-year and four-year colleges, and the universities.

Topics treated by the participants were the recruitment and supply of technicians, a consideration of the research assistant's position from the points of view of management, the scientist, and the research assistant himself, and a discussion of a proposed curriculum. The 69-page publication also includes a previous AIP report on technical assistants, selected sections of a report on chemical

technician training, and a discussion of the supply of technicians by junior colleges. A limited number of copies of the conference proceedings are available, without charge and while the supply lasts, from AIP, 335 East 45th Street, New York, N. Y. 10017.

Curricula report

Some two and a half years ago, the American Association for the Advancement of Science and the Science Teaching Center at the University of Maryland jointly established the Information Clearinghouse on New Science and Mathematics Curricula. Under the direction of J. David Lockard, the project seeks to gather data and materials from new and ongoing science and mathematics projects and to disseminate pertinent information to interested individuals and groups. The most recent report of the Clearinghouse supplies information about all major projects and many state and local school systems, encompassing materials from the full K-16 science-education curriculum. The data are in the form of replies to a three-page questionnaire which the Clearinghouse sent to all interested parties and is presented in four sections; National Science Foundation projects, other major projects, science and mathematics materials from state and local school systems, and the college commissions. Single copies of the *Third Report of the Information Clearinghouse on New Science and Mathematics Curricula* can be obtained, while the supply lasts, from J. David Lockard, Director, Information Clearinghouse, University of Maryland, College Park, Md.

International study guides

The Institute of International Education has issued a fourth edition of its two-volume set of *Handbooks on International Study*. One of the volumes, intended for Americans interested in pursuing education abroad,

presents data on systems and institutions in some 100 foreign countries as well as an expanded listing of US institutions that conduct undergraduate programs abroad during the academic year. Also included is information on awards and special programs abroad, summer opportunities at foreign institutions, and US schools having summer study programs abroad. Organizations providing services to US nationals going abroad, and government regulations affecting them are likewise covered by the handbook.

The other volume is a comprehensive guide for foreign nationals to educational systems and fields of study in this country. It includes a list of accredited institutions of higher education and the accredited curricula leading to degrees. English language and orientation programs offered by US schools and information on awards and special programs, as well as summer opportunities are also provided.

Either or both volumes of the *Handbook on International Study: For U.S. Nationals* and *Handbook on International Study: For Foreign Nationals* can be purchased from the Institute of International Education, 809 United Nations Plaza, New York, N. Y. 10017, at \$3.50 per volume or \$6.00 per set.

Low-cost acoustics study

With the use of custom-built organ pipes, and a government-surplus wave analyzer, several undergraduates at Randolph-Macon College in Ashland, Va., are making a study of the composition and intensity of musical overtones. Directed by Dr. Sanford P. Thompson, professor of physics at Randolph-Macon, the group has set out to measure the relative strengths of different overtones, breaking them into components which can be related to the shapes and conditions of operations in the pipes.

The object of the study, according to Dr. Thompson, is to "discover and