

which authored the report has as its chairman Charles A. Thomas of the Monsanto Chemical Company; its other members are Chester I. Barnard, J. Douglas Brown, Vanevar Bush, Ralph Connor, Everette L. DeGolyer, Jacob L. Devers, Lee A. Du Bridge, Gordon Gray, Ben Moreell, J. C. Warner, and Harry A. Winne.

STUDY ABROAD

OVER 30,000 OPPORTUNITIES LISTED

More than 30,600 foreign study opportunities are reported in Volume III of *Study Abroad*, published annually by the United Nations Educational, Scientific and Cultural Organization, which lists awards for the 1950-51 academic year available from donors in 54 countries, from the dependencies and trust territories of five governments, and through the United Nations and its specialized agencies. The United States is represented in the handbook with a listing of over 12,750 study opportunities, about 1,600 granted by colleges and universities and over 2,250 from educational foundations and private organizations. The remainder are made possible by government grants through the Office of Educational Exchange of the Department of State, often in cooperation with private institutions. Approximately one-third of the reported grants provide opportunities for U. S. citizens to travel abroad; two-thirds are bringing people to the United States to study. The handbook tells qualified students where they may apply for study opportunities and provides information regarding qualifications, stipend rates, subjects, and countries of study.

An increase in the number of awards shown in the new volume is attributed by Unesco largely to additional opportunities reported under the Fulbright program, which are double the number reported last year; to the expansion of travel and study grants available in connection with the UN program of Technical Assistance; and to reports received for the first time from Austria, El Salvador, Haiti, Honduras, Panama, and Peru. Reports are also included from a number of international nongovernmental organizations such as the International Union of Students, the World Council of Churches, the International Federation of University Women, Rotary International, and the World's YWCA. Volume III lists 2,586 awards reported by this group.

Over 100 American universities and colleges offer fellowships or exchange opportunities for graduate study to students outside the United States. Undergraduate awards covering tuition, supplemented by partial or complete maintenance, are available from 55 colleges and universities, according to *Study Abroad*, while additional scholarships in the form of whole or partial tuition are offered by 67 U. S. institutions. 1,000 study opportunities are listed as available through UN, the Food and Agriculture Organization, the World Health Organization, and other UN agencies. Many are directly related to providing leadership in extending technical assistance to underdeveloped areas.

Emphasis on technical studies has been increased by extensive programs of Near Eastern and South Asian nations, including the government of Turkey. A number of awards to French colonial areas is reported, as is a large scale program for German nationals totalling close to 3,000 awards which has been sponsored by France, the United Kingdom, and the U. S. Unesco has listed approximately 50 fellowships directly financed by the international agency in fields directly related to programs of Unesco interest.

Additional Unesco fellowships fall within the scope of Technical Assistance, while others have been donated by other agencies and Unesco has been asked for help in planning or administration.

Also announced in *Study Abroad*, Volume III, are the results of a study conducted by Unesco covering the exchange of teachers. A second survey was conducted by the International Labour Office on opportunities for apprentice training abroad; recommendations include increasing opportunities for the interchange of industrial and commercial workers, and for agricultural producers and workers. Unesco is continuing an inquiry initiated last year on the activities of youth and student organizations in Europe and other regions. The results of this survey are expected to appear in a *Study Abroad* supplement to be published in the spring, which will serve as a guide for young people seeking information concerning vacation study in foreign countries.

Copies of Volume III of *Study Abroad* are on sale from the Columbia University Press, 2960 Broadway, New York City, for \$1.25.

RUTHERFORD MEMORIAL

LECTURES AND SCHOLARSHIPS PROPOSED

The Council of the Royal Society of Great Britain desires to create a suitable memorial to the late Lord Rutherford, and in this connection has circulated an appeal for financial help within the United Kingdom and the Commonwealth countries. Although the solicitations have been thus limited by the Council it is expected that contributions from any source will be welcome.

It has been suggested that the memorial take two forms: 1. Rutherford Scholarships tenable for three years, to be awarded to postgraduate students within the British Commonwealth for research in the natural sciences with a preference for experimental physics. A scholar will normally be required to carry out his research in an institution in some part of the British Commonwealth other than that in which he graduated; and 2. A Rutherford Memorial Lecture to be delivered at intervals at selected universities in the Commonwealth countries—at least one in three to be given in New Zealand, Lord Rutherford's birthplace.

Contributions may be sent to the Rutherford Memorial Committee, The Royal Society, Burlington House, London, W.1., England.

NEW COURSES

INFRARED SPECTROSCOPY AT MIT

Designed chiefly for those who wish to investigate the usefulness of infrared methods in their own research fields, a special course in infrared spectroscopy will be offered jointly by the Spectroscopy Laboratory and the Department of Chemistry at the Massachusetts Institute of Technology during the 1951 Summer Session. The course will be conducted by Professor Richard C. Lord, Director of the Spectroscopy Laboratory at MIT, and Dr. Foil A. Miller, who is in charge of the Spectroscopy Laboratory at Mellon Institute of Industrial Research.

Two identical one-week programs beginning July 9 and July 16 will be offered on the techniques and applications of infrared spectroscopy. Each will be divided equally between lectures and discussions in the morning and laboratory work in the afternoon. Lectures will cover the basic principles of infrared instrumentation and laboratory tech-