

methods which must be used in attacking similar situations on a broader scale. What foundations have learned about the technique of making money work to buy health and other means of social progress may be useful in an era of great public spending.

### STANDARDS FOR PHOTOGRAPHY

A START in the establishment of national standards for photography was taken on February 21 by a new committee, which met in the Engineering Societies Building, New York, and elected as its chairman Dr. Loyd A. Jones, of the Eastman Kodak Company. The committee was organized by the American Standards Association with the Optical Society of America taking the leadership in the technical work. Better interchangeability of parts and standards defining the performance of cameras, light meters, film, developing materials and photographic equipment is expected to result from work of this committee.

At the meeting plans were made to set up sub-committees which will cover physical dimensions of sensitive materials and holders; characteristics of sensitive materials; the finished photographic product; cameras, lenses, shutters, diaphragms, view finders, sizes and amounts of light filters, and dimensions of safe-lights; artificial illuminants; processing equipment, and projectors and printers.

The work of this committee is expected not only to result in national standards, but will also be the basis for American recommendations in connection with international standards for photography. An international committee on photography has already been authorized by the International Standards Association, with the American Standards Association, which holds the secretariat, taking the leadership in its work. The committee is also planning to work closely with the International Congress of Scientific and Applied Photography. The committee set March 24 as the date of its next meeting.

### STUDENT AFFILIATE CHAPTERS OF THE AMERICAN CHEMICAL SOCIETY

STUDENT affiliate chapters of the American Chemical Society have been organized in sixteen colleges and universities. The society will hold its ninety-seventh meeting in Baltimore from April 3 to 7.

Membership in the chapters reaches 427, while another 145 affiliated undergraduates are scattered throughout twenty-three institutions in the United States and Hawaii. The total number of 572 comprises 181 seniors, 178 juniors, 148 sophomores, 58 freshmen and 7 special students.

Dr. Charles L. Parsons, secretary of the society, points out that it is evident that this newly organized method of procedure for interesting students in their own advancement is to become an important function

bearing upon the development of the students in their professional consciousness.

The first group of student affiliates was formed at Lafayette College, under the auspices of the Lehigh Valley Section of the society. Other chapters have been established in Manhattan College, New York City; Rensselaer Polytechnic Institute; Union College, Schenectady, N. Y.; Rhode Island State College; Albright College, Pennsylvania; Virginia Polytechnic Institute; the University of Kentucky; the Rice Institute; Ohio Northern University; Central College, Missouri; the University of Minnesota; Hamline University; Colorado State College; the University of California, Berkeley, and the California Institute of Technology.

The Rice Institute Chapter, with 63 members, is the largest. The University of Kentucky and the University of California Chapters rank second and third with 52 and 51 members, respectively. Next come the California Institute of Technology, with 38 members, and Lafayette College, with 34 members.

Dr. John H. Nair, of the Borden Company, Syracuse, N. Y., is chairman of the Committee on Student Affiliates, which has supervised the organization of the student chapters, all of which are planning active programs in 1939. The society will sponsor an employment clearing house at the Baltimore convention, where student chemists will have an opportunity of meeting the personnel staffs of chemical industries. The announcement points out that "Personal contact is becoming more and more a prerequisite for employment. It will be a long time before employers cease going first to the colleges, especially those known to turn out the best trained chemists. This is particularly true for young men just out of college, since no one but the chemical departments of the colleges which they are leaving are able to give them any definite recommendation."

### THE GEOLOGICAL SOCIETY OF AMERICA

THE Geological Society of America announces meetings for 1939 as follows:

The Geological Society will join with Section E of the American Association for the Advancement of Science in the summer meetings to be held in Milwaukee, from June 19 to 24. Plans for field trips are being made. Details of the scientific program and excursions will be announced in a later circular.

The council has authorized a joint meeting of the society with the Cordilleran Section, to be held at Berkeley, Calif., from August 8 to 10, followed by several field excursions. Fellows of the society are urged to take advantage of this opportunity and to lend encouragement by attending this meeting of the only section. Special facilities will be provided for visiting features of particular interest under the guidance of

men intimately acquainted with local problems. It is understood that greatly reduced fares will be available on the transcontinental railways, and that local accommodations, both in Berkeley and on the excursions, will be provided at moderate cost. Plans should be made soon. A circular with more complete detail will be available shortly. Only one other meeting of somewhat similar character in the history of the society has been held in California. This was held at Berkeley and at Stanford University in August, 1915. One point of present interest in the record is the fact that the number of fellows attending was almost equally distributed between the Atlantic seaboard, the central region and the Pacific coast, with the advantage to the East coast. The Paleontological Society, the Seismological Society of America and the Society of Economic Geologists expect to meet in Berkeley at the same time.

Because of overlapping time, attention is called to the announcement of the Pan-Pacific Science Congress, which will hold meetings in the San Francisco Bay Region in July and August (Berkeley, from July 24 to August 5, and Stanford, from August 6 to 12). To avoid conflict no geological program will be arranged by the congress on August 8, 9 and 10, in order that those attending may participate in the Geological Society meetings. The excursions arranged for these meetings will also be made available to registrants of the Science Congress.

The Geological Society calls special attention also to the seventh triennial assembly of the International Union of Geodesy and Geophysics, which will be held in Washington, D. C., from September 4 to 15, under the auspices of the American Geophysical Union in cooperation with the National Research Council, and with support from other sources.

The council has accepted an invitation extended by the University of Minnesota, supported by local educational and scientific organizations, to hold the 1939 annual meeting in Minneapolis. The dates will be December 28, 29 and 30. This will be the first meeting of the society to be held in Minnesota, and the fifth held west of the Mississippi River.

Meetings of the council are regularly held in April and October and at the time of the annual meeting. Matters to come before the council should be in hand well in advance of these dates. It is expected that

the April, 1939, council meeting will be held on the fifteenth of the month.

A series of addresses under the general theme "Frontiers of Geology" is being organized for broadcasting during March and April through the facilities of the National Broadcasting Company.

#### THE DIVISION OF THE BRITISH ASSOCIATION FOR THE SOCIAL AND INTERNATIONAL RELATIONS OF SCIENCE

It is announced in the London *Times* that the Division for the Social and International Relations of Science, formed within the British Association last August, is arranging a program of meetings at which topics of immediate interest and importance will be discussed. The purpose of the division is to study the relationship between science and the community and to encourage the application of science to promote the well-being of society.

The first meeting will be held on March 28 at the University of Reading, by permission of the University Council and in cooperation with the National Institute for Research in Dairying, and two sessions will be devoted to discussion on milk in its nutritional and allied aspects. Sir Richard Gregory, chairman of the division, and Sir Daniel Hall will preside at the sessions, and other speakers will deal with deficiencies of diet, health aspects, pasteurization, production, cost, economic and social implications.

It is also proposed to arrange meetings in the early summer in London and Manchester for review of the social relationships of science and for discussion with special reference to pressing problems in industry and agriculture. In connection with the Manchester meeting, Professor H. Levy has been appointed to deliver the Alexander Pedler memorial lecture, in which he will explain the method of approach in the study of the social problems of science, with particular illustrations of the application of scientific discoveries to industry.

During the forthcoming meeting of the British Association in Dundee (August 30-September 6) the division will hold three sessions at which it is proposed to consider the coordination of scientific research, population movements and nutrition. Sir Richard Gregory will deliver an address on "Science and Social Ethics."

## SCIENTIFIC NOTES AND NEWS

THE William Withering Lectures of the University of Birmingham will be given in late March by Dr. Peyton Rous, of the Rockefeller Institute for Medical Research. The subject will be "Present Aspects of the Cancer Problem."

DR. E. S. RUSSELL, director of research in the British Ministry of Agriculture and Fisheries, will give a series of five DeLamar Lectures at the School of Hygiene and Public Health of the Johns Hopkins University on successive days from March 20 to March 24. The