

6. That the Seed Treatment Committee of the society be asked to prepare 1943 recommendations for the seed treatment of wheat, oats, barley, sorghum, flax and corn for distribution to all States.

7. That the Seed Treatment Committee be encouraged to work with seed producers and seedsmen with a view toward getting more seeds treated prior to distribution and sale, and/or getting directions for treatment printed on packages or packets and in seed catalogues.

8. That the Vegetable Seed Treatment Sub-committee of the society be asked to prepare seed treatment recommendations for Victory gardeners and for commercial vegetable growers and distribute to all States through the War Committee.

9. That the Seed Certification Committee's efforts to obtain the treatment of certified seed be endorsed.

10. That the Fungicide Committee of the War Committee be asked to distribute promptly a condensed statement of their present opinions as to measures for conserving fungicides.

#### THE AMERICAN ASSOCIATION OF CEREAL CHEMISTS

THE twenty-ninth annual meeting of the American Association of Cereal Chemists will be held at the Hotel Jefferson, St. Louis, from May 17 to 19. Five different phases of cereal technology will be under discussion, these being divided into the following subjects: Industrial Utilization of Cereals; Agronomy and Milling Technology; Brewing and Malting Technology; Baking Laboratory Methods and Baking Technology; The Firing Line with Cereals. The last subject will occupy the whole day on May 19.

Ex-Governor Herbert H. Lehman of New York, director of foreign relief and rehabilitation operations at Washington, will make an address on the opening day on "The Problems of Feeding Starved Nations."

Thirty-eight papers are scheduled for the program, the industrial utilization of cereals being emphasized throughout, thus giving to it a highly practical aspect. Among the topics to be discussed are The Bacterial Fermentation of Cereal Carbohydrates; The Distillation Industry in War and Peace; Industrial Utilization of Corn Proteins; Oil Products from Cereal Grains; Industrial Uses of Wheat Proteins; The Grading and Storage of Grains; Entomology and Insect Control of Grains; Practical Technical Applications and Control in Bread Baking; Macaroni and Noodle Manufacture, as well as in Cracker and Cookie Manufacture and Cake Baking, and the Application of Cereals in the Malt Industry. These general topics show the industrial character of the program. Other subjects of equal value in the chemistry of cereals and cereal technology will be presented.

A general invitation is extended to all who may be interested in attending the meetings to take part in the general discussion of the papers, for which an ample time allowance has been made.

#### GUGGENHEIM FELLOWSHIPS, 1943

BELIEVING that the continuous fostering of research and creative work is necessary for the development of the values that make civilization, for the sake of which the United States is at war, the John Simon Guggenheim Memorial Foundation in its annual awards of fellowships has announced the addition of sixty-four fellows to its lists. However, it is recognized that no institution can or ought to try to escape the great urgencies of these times, and accordingly all fellows have been informed that the use of their fellowships is subject to any war work or military or naval duties to which they may be called; but should any recipient of a fellowship be called into service his fellowship will be held for him until the war has been won. The number of fellowships awarded this year is considerably less than the number awarded in recent previous years and the foundation is reserving a part of its funds for fellowships for those now in the war effort who doubtless, but for that circumstance, would have applied for and have been granted fellowships this year.

The theme which underlies the diversified list of fellowships granted this year is the theme of understanding the civilization in which we live and particularly the understanding of the Americas. A group of awards is in the field of philosophy, and these fellows are planning to work in the field of moral philosophy, attempting to gain understanding of the principles by which ethical judgments or judgments of human values are formed.

This is the eighteenth annual series of awards by the foundation, which was established and endowed by the late United States Senator Simon Guggenheim and by Mrs. Guggenheim as a memorial to their son John. The Guggenheim fellowships are granted to scientific workers, scholars, artists and creative workers in all fields who by their previous work have shown themselves possessed of unusual ability, demonstrated by the previous production of contributions to knowledge or by the production of works of art. Men and women, married and unmarried, of all races and creeds who are citizens or permanent residents of the United States, citizens of Canada and of certain Latin American countries are eligible on equal terms. The fellows are normally of ages between 25 and 40 years. The stipends are usually \$2,500 a year. Since its establishment eighteen years ago, the foundation has granted 1,289 fellowships with stipends amounting to \$2,662,000.

The fellowships now announced are granted to American and Canadian scholars and creative workers and are accompanied by stipends amounting to \$140,000. A series of fellowships for Latin Americans will be granted in June. The list of fellowships now announced contains the names of eleven women. There

are no appointments in fields of the physical and mathematical sciences because all first-rate workers in these fields are needed for direct war work or for teaching to insure continuity in the supply of scholars in these fields. The list includes one Filipino poet, one Negro economist and one Chinese artist. Several of the fellows will work in Latin America and several in Canada, while the Canadian fellows will work in the United States. Fellowships awarded in the sciences are:

WILLIAM VOGT, associate director of the Division of Science and Education, Office of the Coordinator of Inter-American Affairs: Preparation of a book on Peru's guano birds, based on three years of study on the West Coast of South America, from Cabo Blanco to the Strait of Magellan, carried on when he was naturalist to the Peruvian Guano Administration.

DR. KENNETH EDWARD CASTER, assistant professor of geology in the University of Cincinnati: A field study of the Paleozoic strata of the Northern Andes in Colombia and adjacent Venezuela.

DR. EDGAR ANDERSON, professor of botany, Washington University, and geneticist, Missouri Botanical Garden, St. Louis: The genetics of Indian corn, in Mexico and the Southwestern United States.

DR. FLOYD ALONZO MCCLURE, on leave from his post as professor of economic botany, Lingnan University, Canton, China: A book on the Chinese bamboos.

DR. HENRY PAUL HANSEN, assistant professor of botany, Oregon State College: A study of Post-Pleistocene forest succession and climate in the Pacific Northwest, based on fossil pollen analyses of peat deposits and other types of lake sediments.

DR. E. LUCY BRAUN, associate professor of plant ecology, University of Cincinnati: Studies of the ecology and taxonomy of the deciduous forest.

DR. TILLY EDINGER, research associate in paleontology at the Museum of Comparative Zoology, Harvard University: A paleontological study of the tooth development in amphibians and reptiles, particularly primitive fossil types, with special reference to the history of dental succession in the evolutionary line leading from ancestral fishes to mammals.

JOHN FRANCIS HANSON, teaching fellow in entomology, Massachusetts State College, Amherst: A study of all genera and species of stoneflies in the United States.

DR. BARBARA S. BURKS, research associate in psychology, Columbia University: To gather materials for a book on the role of twins in the study of man, based on case studies of the development, life adjustment in maturity and environmental history of identical twins separated in infancy and reared apart.

DR. SOLOMON E. ASCH, assistant professor of psychology, Brooklyn College: To prepare a book on the formation and change of opinion and attitude, based upon experimental investigations.

The trustees of the foundation, in addition to Mrs. Guggenheim, are Francis H. Brownell, Carroll A.

Wilson, Charles D. Hilles, Roger W. Straus, Charles Earl, John C. Emison, Medley G. B. Whelpley and Charles Merz.

The committee of selection consisted of Dr. Frank Aydelotte, director of the Institute for Advanced Study, *Chairman*; Dr. Florence R. Sabin, of the Rockefeller Institute for Medical Research; Professor Edwin Bidwell Wilson, of the Harvard University School of Public Health; Professor Linus Pauling, of the California Institute of Technology, and Professor Wallace Notestein, of Yale University.

The fellows chosen this year come from fifteen states and the Philippines and from two Canadian provinces. Forty-four fellows are members of the staffs of thirty educational institutions, while twenty are free-lance workers.

#### VISIT OF LATIN-AMERICAN ENGINEERS TO THE UNITED STATES

EIGHTEEN Latin-American engineers, representatives of fourteen countries, who are visiting Greater Boston, arrived on April 5 at Harvard University, one of the twenty-five universities and electrical establishments they plan to inspect during a year's visit to the United States. They are particularly interested in rural-electrification problems.

Dr. Francisco Castillo Najera, Mexican Ambassador to the United States, and Dr. Gonzalo Bautista, Governor of the State of Puebla, are leaders of the Mexican party. From April 5 to April 9 they were entertained by state and city officials, scientific societies and institutions and private individuals. Harvard Observatory arranged the program of entertainment in token of its interest in the new national astrophysical observatory at Tonantzintla, near Puebla. Dr. Luis Enrique Erro, director of the observatory; Señor Salvador Duhart M, first secretary of the Mexican Embassy; Dr. Carlos Graef, assistant director of the observatory, and Dr. Frederico Jimenez O'Farrill were among the visitors.

On Tuesday morning Major General Sherman Miles, commander of the First Service Command, called on the deputation at the Copley Plaza Hotel. During the morning the deputation visited Governor Saltonstall, President Conant, of Harvard University, and Mayor Tobin. The Mayor gave a luncheon in honor of the party and Governor Saltonstall was host at a tea in his home in the afternoon. Jerome Greene, secretary of the Harvard Corporation, was host at a dinner in the Tavern Club in the evening, after which a special meeting of the American Academy of Arts and Sciences was convened in tribute to the sponsorship by Governor Bautista of one of the most important observatories in Latin America, and in tribute to