

partment, has been investigating the problems of the state's industries and his purpose is to put the facilities of the various university laboratories at the service of Michigan manufacturers. Through this service trained specialists in practically all phases of research work will be available to the manufacturer. The large and complete technical library of the university will also be at the disposal of any one having special problems.

It is believed that there is a definite need for a research service of this kind, and that many Michigan industries will avail themselves of the service as in many cases the type of research which is necessary may be conducted only with expensive equipment such as is contained in many of the university's laboratories.

The types of service of this department are of three kinds. The library service, in addition to making available the scientific library, is prepared to make photostat prints, write translations and do other work of a like nature. The second division of the service is for the study of problems requiring an ultimate though not immediate answer. The third is for the investigation of problems which require the full time service of one or more persons for a period of six months or longer. This includes the chemical and physical tests.

The problems which may be studied through the department with the present facilities are grouped under the following specific types of service: aeronautics, automotive equipment, ceramics, design of special machinery, electric transmission and distribution, fuels, heating, ventilating and illumination, hydraulics, machine shop practice, power plants and their equipment, radio and telephony and tests of building and engineering materials.

#### PUBLIC LECTURES OF THE CHICAGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

THE Chicago Section has launched an aggressive campaign to popularize chemistry by choosing speakers, and by advising various civic, social and cultural organizations in the city that these men and women are willing to talk to them about chemistry. Two letters have been sent out; the first to speakers, advising them as to the best methods of making popular addresses, and the second to organizations

which the section believes will entertain the idea of learning some of the modern facts about chemistry. Below is the list of speakers chosen for this work:

G. L. Wendt, Ph.D., chief research chemist, Standard Oil Company of Indiana; former professor of chemistry, University of Chicago.

W. Lee Travis, Ph.D., head of the chemistry department of Northwestern University; developer of war gas known as "Lewisite."

David Klein, Ph.D., technical director at the laboratories of Wilson and Co.; formerly assistant professor at the University of Wisconsin; state chemist of Illinois; specialist in the use of internal glandular extracts in medicine.

Otto Eisenschiml, head of the Scientific Oil Compounding Company: "Chemistry as a career."

Julius Stieglitz, Ph.D., head of department of chemistry of the University of Chicago: "Chemistry in everyday life."

Mrs. L. F. Supple, assistant professor of textile chemistry at Lewis Institute: "The chemistry of cloth."

P. N. Leech, Ph.D., laboratories of the American Medical Association: "Home remedies—their use and abuse."

G. A. Menge, Ph.D., consulting chemist: "Milk—its various available forms and their relative merits."

H. E. Barnard, Ph.D., director American Bakers Institute; formerly state food commissioner of Indiana: "The bread of life—its rôle in nutrition."

I. K. Russell, editor of *Baking Technology*; formerly on editorial staff of the *New York Evening Mail*: "Pasteur, the chemist."

F. L. Dunlap, Sc.D., consulting chemist; formerly associate chief, United States Bureau of Chemistry: "What do we know about flour?"

C. S. Miner, consulting chemist; head of the Miner Laboratories: "The chemist in the courts."

W. D. Harkins, Ph.D., professor of chemistry, University of Chicago: (1) "Radioactivity"; (2) "The building of atoms."

J. A. Hynes, chief chemist of the United States Customs Service at Chicago: "Reminiscences of a customs house chemist."

G. W. Hoover, M.D., chief, Chicago Station, United States Bureau of Chemistry: "Food and drug frauds."

E. H. Volwiler, Ph.D., chief chemist, Abbott Laboratories: "Coal tar in medical science."

W. D. Richardson, chief chemist, Swift and Company: "Vitamines in everyday diet."

L. M. Tolman, chief chemist, Wilson and Company: "Shortening fats and household economy."

J. J. Vollertson, chief chemist, Morris and Company: "The chemist in the packing house."

William Hoskins, consulting chemist; dean of Chicago Chemists; head of Mariner and Hoskins: "Reminiscences of a consulting chemist; snow crystals."

R. E. Doolittle, chief, Central District, United States Bureau of Chemistry: "Food Poisoning."

Katharine Blunt, Ph.D., associate professor, home economics, University of Chicago: "Chemistry in domestic science."

William D. McNally, chief chemist, coroner's laboratory, Chicago: "Chemistry in the coroner's office."

H. N. McCoy, Ph.D., director, Lindsay Light Company; formerly associate professor of chemistry, University of Chicago: "Development of the electric light."

F. C. Whitmore, Ph.D., professor of organic chemistry, Northwestern University: "Organic chemistry and public health."

J. R. Chittick, Pharm.D., chief chemist, Jaques Manufacturing Company; formerly associate professor of chemistry, Highland Park College, Iowa: "Chemistry of baking powders."

R. C. Coleman, chief chemist and general manager Economy Fuse Company: "Chemistry of paints and varnishes."

Max Henius, Ph.D., formerly co-head of the Wahl-Henius Institute: "Chemistry of fermentation."

#### ORGANIZATION OF SCIENTIFIC MEN IN THE NORTHWEST

IN Spokane a meeting of people interested in the advancement of science was held at a banquet at the Davenport Hotel, on the evening of February 9. Thirty-six sat at the table. Representatives from the science faculties at Washington State College, University of Idaho, State Normal School at Cheney, Whitworth College, Spokane University, North Central High School and the Lewis and Clark High School were present besides a number of others. Mr. L. C. Armstrong, secretary of the Columbia Section of the American Institute of Mining and Metallurgical Engineers, presided. Discussion brought out clearly the need of an organization with a meeting center in the northwest. Only nine people from the four northwest states out of an American Association for the Advancement of Science membership of about three hundred attended the Boston meeting. Letters were received from President Evermann and Secretary Sargeant,

of the Pacific Division, and Secretary Livingston, of the American Association, as also from Chancellor Brannon and President Clapp, of the University of Montana; President Holland, of Washington State College, and Professor Brode, of Whitman College, who were unable to attend. A committee consisting of Dr. M. A. Angell, of Idaho University; Dr. Frederick Heald, of Washington State College; Dr. Geo. W. Hess, of Whitworth College; Miss Elizabeth L. Martin, of Cheney State Normal School; Superintendent O. C. Pratt, Spokane public schools, and Mr. Frederick Keffer, mining engineer, were appointed to draw up plans for a permanent organization to be reported at the time of the meeting of the Inland Empire Education Association in Spokane the first week in April. Letters have been sent out by the chairman and secretary of the preliminary meeting to a large number of scientists residing in the territory of the "Inland Empire Association" advising them of this committee and asking them to communicate their ideas to the committee on the type of organization which would best serve the interests of this region. Two types were discussed at the meeting: first, a division of the American Association or a section of the Pacific Division; second, an organization of the familiar academy of science type which would furnish a means of publication of matter of a regional nature. An organization combining both features was suggested by Secretary Livingston.

THOMAS LARGE,  
*Secretary*

#### NEW HAVEN MEETING OF THE AMERICAN CHEMICAL SOCIETY

THE sixty-fifth general meeting of the American Chemical Society will be held at New Haven from April 2 to 7.

A symposium on "Motor fuels" will be held jointly by the Division of Petroleum Chemistry and the Section of Gas and Fuel Chemistry. The results of various investigations as to the worth and quantity obtainable of alcohol blends, new methods of producing gasoline from petroleum and natural gas, work in blends of benzol and kerosene and other blends will be reported. Papers will be presented also covering discoveries in regard to anti-