

By W. E. Knowles Middleton, Meteorological Office, Toronto.

- (2) "The Applications of the Barometer in Physics and Chemistry." By John Satterly, University of Toronto.

In proposing that this celebration be held in time of war the participating organizations are expressing their belief that other forces than those of evil will prevail and that the continuity of human endeavor is worthy of emphasis, particularly in these disturbed days.

THE PITTSBURGH MEETING OF THE AMERICAN CHEMICAL SOCIETY

"CATALYSIS of War Chemistry" will be the central theme of hundreds of papers and addresses to be presented before the one hundred and sixth meeting of the American Chemical Society, which will be held in Pittsburgh from September 6 to 10.

Advances in wartime research will be reported at the scientific sessions, of which Dr. Per K. Frolich, director of the Chemical Division, Esso Laboratories of the Standard Oil Development Company, Elizabeth, N. J., is president.

"Manpower" will be the subject of a three-day symposium at which industrial leaders will discuss measures to overcome the shortages of trained scientific workers essential to the war effort. W. L. Elder, of the War Production Board, will preside.

The food needs of the United States, civilian and military, and of the United Nations will be explored in symposia dealing with recent advances in the chemistry of dairy products, vitamins, proteins and boron in agriculture.

Other symposia will be devoted to anti-syphilitic agents, industrial hygiene, research tools of the colloid chemist, research management in small laboratories, unit processes, paint, plastic, reactions of solids, molecular addition compounds and library technique.

Papers to be read at divisional meetings will outline progress in petroleum, gas and fuel, fertilizers, sugar chemistry and technology, cellulose, water, sewage and sanitation and chemical education. The society's divisions of organic chemistry, physical and inorganic chemistry, biological chemistry, analytical and micro-chemistry, colloid chemistry and industrial and engineering chemistry will also convene.

Francis C. Frary, director of research of the

Aluminum Company of America, has been appointed honorary chairman of the convention. Professor J. C. Warner, of the department of chemistry, Carnegie Institute of Technology, is general chairman. William P. Yant, director of development and research, Mine Safety Appliances Company, is general vice-chairman. An attendance of four thousand is expected.

According to the announcement, in attacking the problems of manpower, first-hand knowledge of the experience of the United Nations will be drawn upon.

The record of the American chemical industry in terms of production has been excelled by none and equaled by few.

The tremendous increase in requirements resulting from a huge construction program, the loss of men to the armed forces, the lack of an officially sanctioned training program for replacements, and the use of college and university facilities by the Army and Navy have created a difficult situation.

In the manpower symposium, both current and anticipated shortages will be discussed. Plans to improve existing conditions will be suggested by experts familiar with the employment of women, with successful training programs, draft deferment and other fields concerned with the problem of recruiting personnel for industry.

The symposium on antisyphilitic agents, lasting two days, will be sponsored by the division of medicinal chemistry, of which John H. Speer, of G. D. Searle and Company, Chicago, is chairman. Technological developments in industry will be traced in a unit process symposium at which Professor R. Norris Shreve, of Purdue University, will preside.

F. J. Curtis, of the Monsanto Chemical Company, St. Louis, will be the chairman of the symposium on research management of small laboratories under the auspices of the division of industrial and engineering chemistry. The divisions of biological chemistry and agricultural and food chemistry will hold joint sessions on vitamins.

Divisional meetings will begin on Monday, September 6, at 9 A.M. and conclude on Friday at 2 P.M. Sessions are planned of the council and board of directors, of which Thomas Midgley, Jr., vice-president of Ethyl Corporation, is chairman. A public meeting at which general addresses will be delivered has been arranged for Wednesday, September 8. The headquarters of the convention will be at the Hotel William Penn, where registration of delegates will begin on Sunday afternoon, September 5.

SCIENTIFIC NOTES AND NEWS

THE Lamme Medal, awarded annually for "outstanding achievement in engineering education," was presented on June 19 by the Society for the Promo-

tion of Engineering Education to Professor Thomas Ewing French, head of the department of engineering drawing at the Ohio State University. The presenta-