

twenty-five directors, among them the chairman and four members of the naval consulting board. The action of the board of directors is said to affect the status of twenty-one German men of science and one Austrian professor who held either honorary or active membership in the association. The institute now has a membership of about 6,600 in this country and there are more than 1,000 members abroad.

DR. GEORGE D. HUBBARD, head of the department of geology at Oberlin College, spent the summer in Wyoming doing research work for the federal government. Dr. Hubbard's special problem was the location of war materials, particularly petroleum. His course in the Oberlin Summer School in the principles of geography was given by Mr. E. T. Thomas, supervisor of geography in the Shaker Heights Schools, Cleveland, Ohio.

UNIVERSITY AND EDUCATIONAL NEWS

REED COLLEGE is awaiting the decision of the War Department and the Federal Board for Vocational Education in regard to the college's offer to undertake extensive service in the reeducation of the wounded for industrial activity. An offer of \$200,000 in equipment for a school of this nature and another offer of grounds and buildings suitable for a convalescent hospital and remedial workshops have been made to the college.

PLANS have been prepared for a laboratory building for the Yale Medical School, New Haven. The building is to be of brick and steel construction.

THE West Riding Education Committee has renewed for another year its grant of £500 to the Department of Glass Technology at Sheffield University.

As a memorial to their son, William Frederick Drughorn, an old King's scholar, killed in action, Mr. and Mrs. Drughorn have endowed King's School, Canterbury, with laboratories, to be known as the Drughorn Science Buildings, at a cost of £25,000.

PROFESSOR ELIAS J. DURAND, of the University of Missouri, has been appointed to a professorship of botany in the University of Minnesota.

DR. ALBERT EDWARD HENNINGS, of the University of Saskatchewan, Canada, has been appointed to an assistant professorship in the department of physics of the University of Chicago. The following promotions have also been announced: Associate Professor Albert Johannsen, of the department of geology, to a professorship; Assistant Professors Albert D. Brokaw and Rollin T. Chamberlin, of the same department, to associate professorships; and Dr. Eugene A. Stephenson, of the same department, to an assistant professorship.

DR. HARRY SHIPLEY FRY, former associate professor of chemistry, has been appointed professor and head of the department of chemistry at the University of Cincinnati. Other appointments in this department are as follows: Dr. Earl F. Farnau, associate professor of organic chemistry, formerly assistant professor of chemistry at New York University; Dr. Ralph E. Oesper, associate professor of analytical chemistry, formerly assistant professor of chemistry at Smith College; Dr. Clifford J. Rolle and Dr. Leonora Neuffer, instructors in chemistry.

CHARLES L. RAIFORD, Ph.D. (Chicago), head of the department of chemistry at Stillwater, Oklahoma, has been elected associate professor of chemistry at the University of Iowa. He will take charge of some of the classes of Professor Hixson, who is now consulting chemical engineer in the ordnance department of the U. S. Army.

ERIC THERKELSEN, who for several years has been a member of the engineering faculty of the University of Washington, has accepted an assistant professorship of mechanical engineering at the Montana State College.

DISCUSSION AND CORRESPONDENCE BARLEY BREAD, OPTIMUM REACTION AND SALT EFFECT

WHEN the attempt is made to make barley bread with a wheat flour content lower than