The first local presentation to an industry was made by Admiral W. H. P. Blandy, chief of the Bureau of Ordnance, who addressed some 14,000 people composed of Bausch and Lomb employees and their families in ceremonies in the stadium of the Rochester Red Wings. The local ceremonies followed the reception of the heads of fourteen industries by Secretary Knox, who said:

In the present defense program, we've asked for miracles of industrial production and what's more, we're getting them. To show our appreciation of the way American industry has gone to bat in this emergency, the Navy has decided to award the Bureau of Ordnance flag and its coveted "E" to the management and men of those plants who are doing an outstanding job in the production of naval ordnance material. It's our way of saying "well done!"

According to Secretary Knox, the Navy hopes that the "E" award will be as eagerly sought by industry as it is by men in the service, to which it was formerly confined. The Navy "E" pennant has been a mark of excellence since 1906. It is usually awarded for outstanding performance in gunnery, engineering, battle practice or seamanship, and is one of the most coveted honors the Navy can bestow. It is usually painted on the funnel, mast, bridge or turret of a ship to designate the type of operation for which it was won. Each individual in the winning crew wears the "E" on his sleeve.

Bausch and Lomb employees will wear a pin carrying the insignia of the Bureau of Ordnance and the Navy "E." The company is also entitled to paint the letter on its smokestack.

In presenting the flag and "E" pennant to Herbert Eisenhart, president of Bausch and Lomb, Admiral Blandy said:

The purpose of making the award to Bausch and Lomb is exactly the same as in the Navy—to provide recognition for a job well done. We hope it will provide an incentive for every producer of naval ordnance to attain similar excellence in performing his own task for the nation's defense.

Mr. Eisenhart, president of the company, in accepting the flag, said in part:

Ever since the Spanish American War, over forty years ago, the Bausch and Lomb Optical Company has been cooperating with the Navy Department in the development and perfection of the fire control equipment for our Navy. Then in 1912 the Navy Department stationed here at our plant a resident inspector and this has materially helped this program of cooperative experimentation and production. Continually since then, these representatives of your department have been with us and this close relationship has been cordial, constructive and most valuable.

The instruments this company produced in the war of 1917 and 1918 demonstrated the effectiveness of this program. An outstanding accomplishment of this period was the first large-scale, successful production of optical glass—the great importance of which is now so apparent to all. Then through the following years we had continued with this close cooperative procedure. And now in this time of great national need it has been and now is our privilege to demonstrate again our ability to produce these much needed instruments for both Navy and Army.

It is an honor for me to accept this pennant for the company and the employees, for it is the teamwork of this great group gathered here which has made this possible. We shall do our best to continue to justify this public recognition.

DEFENSE TRAINING COURSES OF COLLEGE GRADE

THE Society for the Promotion of Engineering Education has issued a pamphlet prepared by Dean R. A. Seaton, director of Defense Training Courses of College Grade of the U. S. Office of Education, with the cooperation of Dr. A. A. Potter, dean of engineering and director of the Engineering Experiment Station of Purdue University, and Dean G. W. Case, of the College of Technology of the University of New Hampshire and director of the Engineering Experiment Station.

Appropriations for defense training approved by President Roosevelt on July 1 amount to $116,122,000, made up of the following items:

For cost of vocational courses of less than college grade, including not to exceed $3,500,000 for rental of additional space	$52,400,000
For purchase or rental of equipment for courses indicated under (1) above	20,000,000
For the cost of short courses of college grade to meet the shortage of engineers, chemists, physicists and production supervisors	17,500,000
For the cost of vocational courses of less than college grade and related instruction for rural and non-rural youth	15,000,000
For the cost of vocational courses and related or other necessary instruction for young people employed on National Youth Administration work projects	10,000,000
For administrative expenses of the Office of Education and the Office of the Federal Security Administrator	1,222,000

Of the $17,500,000 for courses of college grade, $16,400,000 is for the training of engineers, $500,000 for chemists, $100,000 for physicists and $500,000 for non-engineering production supervisors. While this division of the fund is not specified in the act, it was clearly indicated in the congressional committee hearings.

The new program of college-grade training will be called Engineering, Science and Management Defense

Training and will be administered in the U. S. Office of Education by the same staff that has been handling the Engineering Defense Training, except that specialists in the new fields are being added.

The Advisory Committee has been enlarged by the addition of Dr. Homer L. Dodge, head of the department of physics and dean of the Graduate School of the University of Oklahoma; Dr. Clare E. Griffin, dean of the School of Business Administration of the University of Michigan, and Dr. N. W. Rakestraw, professor of chemistry at Brown University. No change is contemplated in the regional advisers. One institutional representative will, as heretofore, be named by each participating institution.

RESEARCH IN INDUSTRY

THERE was published in the last issue of SCIENCE a statement concerning the report of the survey of industrial research transmitted to the Congress by the National Resources Planning Board. The Committee on Survey of Research in Industry was composed of the following:

F. W. Willard, *chairman,* president, Nassau Smelting and Refining Company; C. L. Alsberg, director, Giannini Foundation of Agricultural Economics, University of California; C. H. Bailey, professor of agricultural chemistry and vice-director, Agricultural Experiment Station, University of Minnesota; Herbert A. Baker, president, American Can Company; Henry A. Barton, director, American Institute of Physics; L. W. Bass, assistant director, Mellon Institute of Industrial Research; Carl Breer, director of research, Chrysler Corporation; O. E. Buckley, president, Bell Telephone Laboratories, Incorporated; G. H. A. Clowes, research director, Eli Lilly and Company; W. D. Coolidge, director of research, General Electric Company; F. G. Cottrell; M. H. Eisenhart, president, Bausch and Lomb Optical Company; Charles N. Frey, director, Fleischmann Laboratories; George R. Harrison, professor and director of the research laboratory of experimental physics, Massachusettts Institute of Technology; Maurice Holland, director, Division of Engineering and Industrial Research, National Research Council; Harrison E. Howe, editor, *Industrial and Engineering Chemistry;* Jerome C. Hunsaker, professor of aeronautical engineering, Massachusetts Institute of Technology; Martin Ittner, research director, Colgate-Palmolive-Peet Company; Frank B. Jewett, vice-president, American Telephone and Telegraph Company; John Johnston, director of research, United States Steel Corporation; Virgil Jordan, president, National Industrial Conference Board; F. T. Litchfield, consulting engineer and assistant vice-president, Wells Fargo Bank and Union Trust Company; L. W. Wallace, director, Division of Engineering and Research, Crane Company; E. R. Weidlein, director, Mellon Institute of Industrial Research; Frank C. Whitmore, dean of the School of Chemistry and Physics, Pennsylvania State College; R. R. Williams, chemical director, Bell Telephone Laboratories, Incorporated.

Members of the Science Committee of the National Resources Planning Board are:

Edwin B. Wilson, *chairman,* professor of vital statistics, School of Public Health, Harvard University; Arthur L. Day, vice-president, National Academy of Sciences; David L. Edsall, dean of Harvard School of Public Health, emeritus; Edward C. Elliott, president, Purdue University; Ross G. Harrison, *chairman,* National Research Council, and professor of biology, Yale University, emeritus; Dugald C. Jackson, professor of electrical engineering, Massachusetts Institute of Technology, emeritus; Charles H. Judd, dean of the Division of Education, University of Chicago, emeritus; Dexter M. Keezer, president, Reed College; Waldo G. Leland, director, American Council of Learned Societies; Charles R. Morey, Marquand professor of art and archeology, Princeton University; William F. Ogburn, professor of sociology, University of Chicago.

SCIENTIFIC NOTES AND NEWS

DR. GILBERT N. LEWIS has retired from the administrative duties of dean of the College of Chemistry and chairman of the department of chemistry of the University of California. He will continue as professor of chemistry. Professor Wendell M. Latimer has been appointed dean of the college; Professor Joel H. Hildebrand, chairman of the department, and Professor C. W. Porter, director of the laboratory.

DR. CLYDE FISHER, curator-in-chief of astronomy and director of the Hayden Planetarium of the American Museum of Natural History, who has been a member of the scientific staff for twenty-eight years, retired on August 1 and will become honorary curator of astronomy and honorary director of the planetarium. He will be succeeded by William H. Barton, Jr., who has been executive curator of the planetarium.

DR. JAMES B. HERRICK, professor of medicine emeritus of Rush Medical College, has been elected an honorary member of the Cardiac Society of Great Britain and Ireland.

DR. NORMAN R. STOLL, associate member of the Rockefeller Institute for Medical Research, Princeton, N. J., received recently the degree of doctor of science from Mount Union College, Alliance, Ohio.

PROFESSOR J. L. MYRES and Professor R. M. Dawkins, formerly presidents of the Society for the Promotion of Hellenic Studies, went from Oxford to Boar's Hill, the home of Sir Arthur Evans, to present