

an instructor in pathology at the Medical School of the University of Virginia, and currently is conducting research in cardiology at the Cornell University Medical College.

Dr. Warren, who will continue research under the award in the physiology of the bone marrow, attended Cornell University and the Medical College, and received a doctorate of philosophy from New York University. He is now an instructor in physiology at the Cornell University Medical College, and is the recipient of a grant in aid of research from the Committee on Scientific Research of the American Medical Association.

Under the terms of the annual award, approximately \$4,000 will be provided for the research of each fellow, chosen from applicants from all parts of the country. The fund was established to aid research "in the fields of medicine and surgery, or any closely related field."

#### THE TWELFTH ANNUAL SCIENCE FAIR OF THE AMERICAN INSTITUTE

MORE than 375 exhibits, built entirely by students and bearing on many aspects of science, will be presented at the twelfth annual Science and Engineering Fair under the auspices of The American Institute Science and Engineering Clubs to be held at the Hall of Education of the American Museum of Natural History, New York City. The exhibit will open on Sunday, April 14, at 1 P.M. and will continue through April 20.

The American Institute Science and Engineering Clubs is an association of many hundreds of science clubs formed in junior and senior high schools, junior chambers of commerce, junior academies of science, settlement houses, Boy and Girl Scouts and independent scientific bodies. Annually an exhibition is held at which the public may view projects completed during the past year. These are judged by committees comprised of well-known scientific men, educators and laymen. Prizes amounting in all to \$3,000 will be awarded with the stipulation that the monetary awards must be spent in the furtherance of scientific work.

Everything from the "Life of Prehistoric Man" to "Chemistry for Beauty," from "Movements of the Earth" to "Weather Forecasting" and from "Heat" to "Atom Smashing" will be on display. Many of these exhibits are working models which the spectators may operate by pressing a button. Experiments with animals and plants are well represented. Some of the exhibits come from as far west as Colorado. They are about equally divided between individual and group projects.

Many local fairs are held during the year at the Science Centers of the American Institute throughout the country, and the best of these exhibits are selected

for display at this national fair. Prize-winning exhibits will be displayed at The American Institute Students' Science Laboratory at the World's Fair.

#### MEETINGS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

THE spring meeting of the American Society of Mechanical Engineers will be held at the Hotel Bancroft, Worcester, Mass., from May 1 to 3. The Honorable William A. Bennett, mayor of Worcester, and Admiral Wat Tyler Cluverius, president of the Worcester Polytechnic Institute, will greet the visitors officially at a general luncheon to be held at the hotel. President Warren H. McBryde will respond on behalf of the society and its 15,000 members.

The guest speaker at the luncheon will be Dr. John F. Tinsley, president of Associated Industries of Massachusetts and president and general manager of Crompton and Knowles Loom Works. At the formal banquet on Thursday evening a speech entitled "The Progress Report of an Amateur Economist" will be given by Ralph E. Flanders, president of Jones and Lamson Machine Company and a past president of the society.

Visiting engineers and executives will be given an opportunity to inspect the work of mechanical engineers in and about Worcester by means of visits to the principal plants. Fourteen simultaneous technical sessions are included in the program. Twenty-seven papers will cover the subjects of management, steam power, process industries, machine-shop practice, fuels, boiler feedwater, hydraulics, iron and steel, heat transfer and materials handling.

The semi-annual meeting of the society will be held in Milwaukee from June 17 to 20, with headquarters at the Hotel Pfister. Supplementing the engineering papers there will be inspection trips to manufacturing plants in the vicinity of Milwaukee. The city is particularly noted for the development of heavy machinery.

It is planned to have one or more sessions on each of the following subjects: fuels, heat transfer, flow of water, hydraulic equipment, machine-shop practice, management, steam turbines, power plants and steam power. There will also be a symposium on steam-locomotive valves and valve mechanism. The chairman of the Aeronautic Division, Charles H. Dolan, has arranged for technical papers on turbulence and energy dissipation, the hard-facing of metal surfaces, tool and die milling, power-plant heat insulation and experience with metals at high temperatures.

The General Committee is making arrangements to provide visitors with facilities for golf, tennis, swimming, sailing and other recreational activities. There will be luncheons, dinners and a formal banquet.