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THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.
SECTION D—MECHANICAL SCIENCE AND ENGINEERING.

The work of Section D of the American Association for the Advancement of Science is in mechanical science and engineering. The section devotes itself to showing the advances which recently have been made in the principles and applications of science in regulating and using the forces of nature. The papers which are presented usually deal with what are commonly known as the applied sciences, more particularly with those which are based upon physics and chemistry. Under electricity are included its generation, adaptation and use on a commercial scale. Under heat are included such practical questions as the generation and use of steam. Under chemistry are included the combustion of coal and other fuels, and the production and use of gas for heating, forging and annealing, and for the generation of power in gas and oil engines; while in the allied science of metallurgy the problems of the mining engineer and metallurgist of iron and steel are included. Under hydraulics we find a long list of problems, the advancement of which has been rapid in recent years in the utilization of the results of the work of the sun as a heat agent, and in controlling this same transmuted heat energy when it manifests itself in swollen streams.

The section is to be congratulated on having had as its chairman Vice-President Calvin M. Woodward, of St. Louis, who is
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