

To restrain the elements by building structures to withstand winds, earthquakes, flood waters and tidal waves, and to translate the physical laws of nature into specifications by which practical and economical industrial machines may be designed—requires special facilities for educational laboratory training, for long-range fundamental research, and for industrial research at Illinois Tech.

Civil Engineering specialists will be working today on tomorrow's requirements for the nation's water supply and sanitation, hydraulics, soil mechanics and foundation construction, buildings, bridges, and all forms of modern transportation—railway, ship, airplane, and motor. IIT's research and educational facilities in sanitary engineering and special construction materials will be expanded and improved, and the teaching program in aeronautical engineering will profit with the addition of this new building.

Mechanics fundamental research and development will work more and more extensively in the field of railroad transportation engineering, and with high-speed aircraft in order to design faster, safer, and lighter American trains and planes. In the vast, unexplored realm of propulsion faster than sound, rocket research will expand by virtue of the new application of laws of aerodynamics. National defense will be served even more than now when this new building appears at Technology Center, as the laws of mechanics are made to achieve improved weapons for America's security.

Cost of Civil Engineering and Mechanics Building:
\$700,000