

The Knowledge Bank at The Ohio State University

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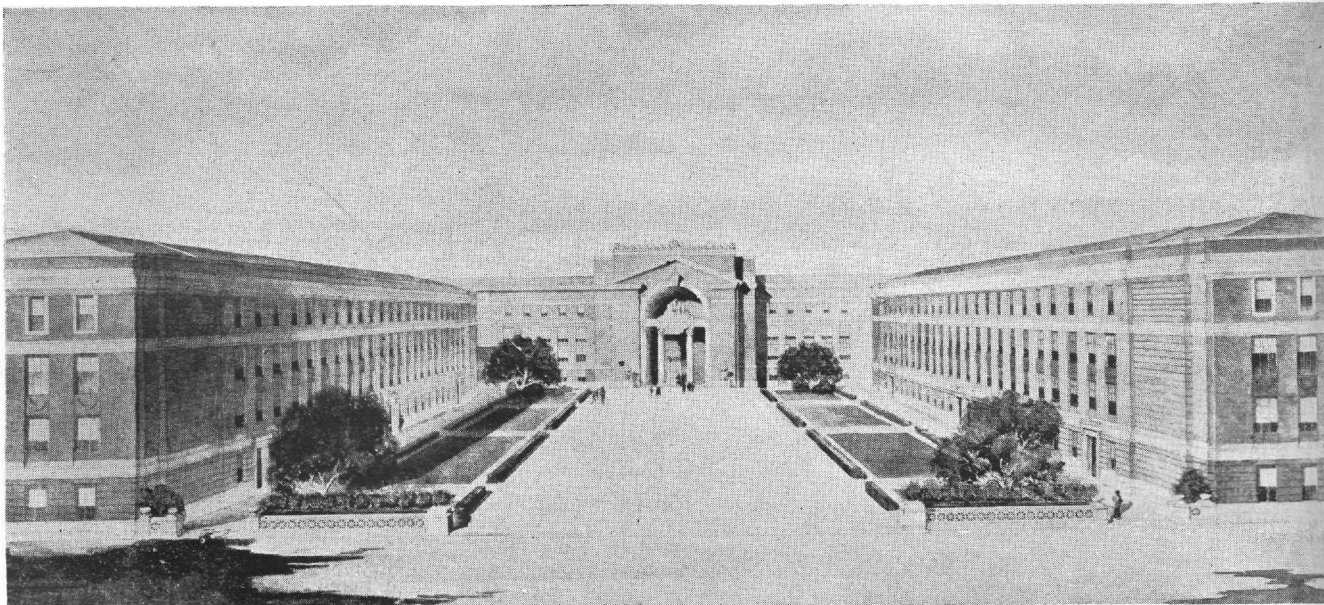
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THE WAR RESEARCH LABORATORY

Attached to the State Highway Testing Laboratory of the Engineering Experiment Station is the new War Research Laboratory. This structure is one unit of the proposed Quadrangle development. Its present use is to house war projects that are assigned to the University; later, it will be used for industrial research.

The building was constructed with a minimum of steel by using reinforced concrete. It was designed to make the most efficient use of its available space. There are very few permanent partitions and a great many laboratory facilities. Each of the four floors is one large room, with only the essential supports to hold up the floors above. Temporary partitions may be put in wherever needed to create a room of the desired size, thus avoiding the waste of space usually found in large laboratories.

One of the most important installations in the new War Research Laboratory is the cryogenic laboratory under the direction of Herrick L. Johnston, Professor of Chemistry. The low temperature experiments carried on here aid in the calculation of the equilibrium constants of reactions. This enables chemists to predict and determine more accurately the products and quantitative data of chemical reactions. The three largest cryogenic laboratories in the United States are at the University of California, the Massachusetts Institute of Technology, and The Ohio State University.



The Proposed Quadrangle Development

—Courtesy Ohio State University Monthly