

### Suggested Remedy

The library stack at the rear of Watson Library should be extended 70 feet to the West in conformity with the original building plans and this structure (70 feet by 50 feet) should be filled to half its capacity with steel stacks. This will provide at once additional shelf space for 210,000 volumes, and as this fills stacks can be added to bring the capacity up to 420,000 volumes. This construction which will extend the present stack floors is the only way in which the active book collection can be made readily accessible to the students.

The rough plan for this extension was approved by the state architect in 1932. The construction cost for the outer walls, footings, and one half the steel stack should be estimated at \$160,000.

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### 3. INDUSTRIAL RESEARCH

In recent years the need has been recognized for a building to house the departments of Geology, Chemical Engineering, and Petroleum Engineering, the Geological Survey, and the testing laboratories of the departments of Civil Engineering and Applied Mechanics. Two reasons exist for the building: first, to centralize the campus services most interested in the industrial development of the State; and second, to provide adequate quarters for these activities, both for teaching and research since the former is greatly hampered and the latter virtually impossible under present conditions.

Citizens of the State are showing an awakened interest in industrial development, as shown specifically by the two industrial tours of the East conducted by the State Chamber of Commerce, the increasing calls by Kansas industries on the University for assistance on research problems, and several meetings in the past biennium in which the necessity for industrial research has been the keynote.

The value of fostering industrial research in Kansas is apparent when one recalls that the value of mineral production in the state in 1937 was \$156,000,000. The location of research headquarters at the University is quite logical because of the existence of well-developed and recognized departments interested in and already contributing to problems affecting Kansas industry. New industries, such as rock wool and clay products, have resulted during the past biennium from activities of one department alone, the Geological Survey.

Mention should be made also of the increasing enrollment in the University departments which have something to contribute to industrial research. The tie-up between classroom and industrial research is highly desirable, for in this way men can be trained in Kansas to serve better the Kansas industries.

Geological Survey. The State Geological Survey, now housed in a frame annex at the rear of Haworth Hall, is unable to meet the demands made upon