

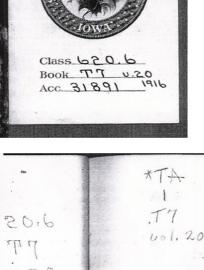
IOWA CITY



THE TRANSIT (Established 1890)

1916

EDITED AND PUBLISHED BY THE ASSOCIATED STUDENTS OF APPLIED SCIENCE



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WIRELE

The History of Drafting Frederick G. Highee Series Telephone Receiver Decimal Division of the Degree Roy C. Hardman Boards of Review of the Reclamation Service

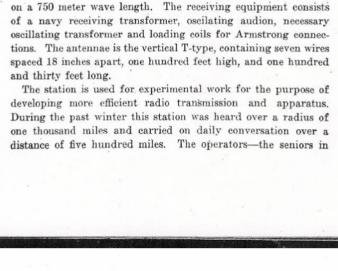
Jokers in Specifications Walter R. Sieg Reinforced Concrete Arch Bridge-Yellowstone National Park

Bernard D. Willis

B. P. Fleming

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electrical engineering-have intercepted messages from a great many land stations of this country; from many ships along the Atlantic, Pacific, and Gulf coasts; and even from Colon, Pana-

THE HYDRAULIC TESTING CANAL At the time the University dam across the Iowa River was constructed in 1906 an opening 10 feet wide was provided at its west end to be used at some future day for admitting water to a hydraulic testing canal. In June 1915 plans were drawn and an estimate of cost made for such a canal by the Department of

THE S. U. I. WIRELESS STATION 9. Y. A. The photograph used for the heading shows one end of the aerial of the University wireless station attached to the dome of the Old Capitol Building. The other end is supported by a steel pole on the roof of the Hall of Physics. The station proper

The transmitting set is a two K. W. Clapp-Eastham, operating

is located on the first floor of the Hall of Physics.

Mechanics and Hydraulies. The accompanying cut is from a perspective drawing included in these plans. The project consists of a straight canal 130 feet long, an experimental power

ma, a distance of 2350 miles.

house 20 feet square, and a tail race 35 feet long.

Researches in the flow over dams of various cross sections.

Testing hydraulic turbines. Experiments with Herschel's fall increaser.

Mechanics and Hydraulics would be: 1. Investigation of the laws of flow over weirs.

The uses of the hydraulic testing canal, as put forth in the report prepared by Prof. John H. Dunlap of the Department of

Rating of current meters and Pitot tubes. Diaphragm measurements of water flow. Investigations of friction losses in flow through pipes.