

THE TECHNOLOGY REVIEW



APRIL

1930



New Milwaukee Gas Light Co. Building Now Under Construction

Eschweiler & Eschweiler Architects
Wenzel & Henoch Contractors

THE GAS LIGHT CO. BUILDING, MILWAUKEE,—pictured here—

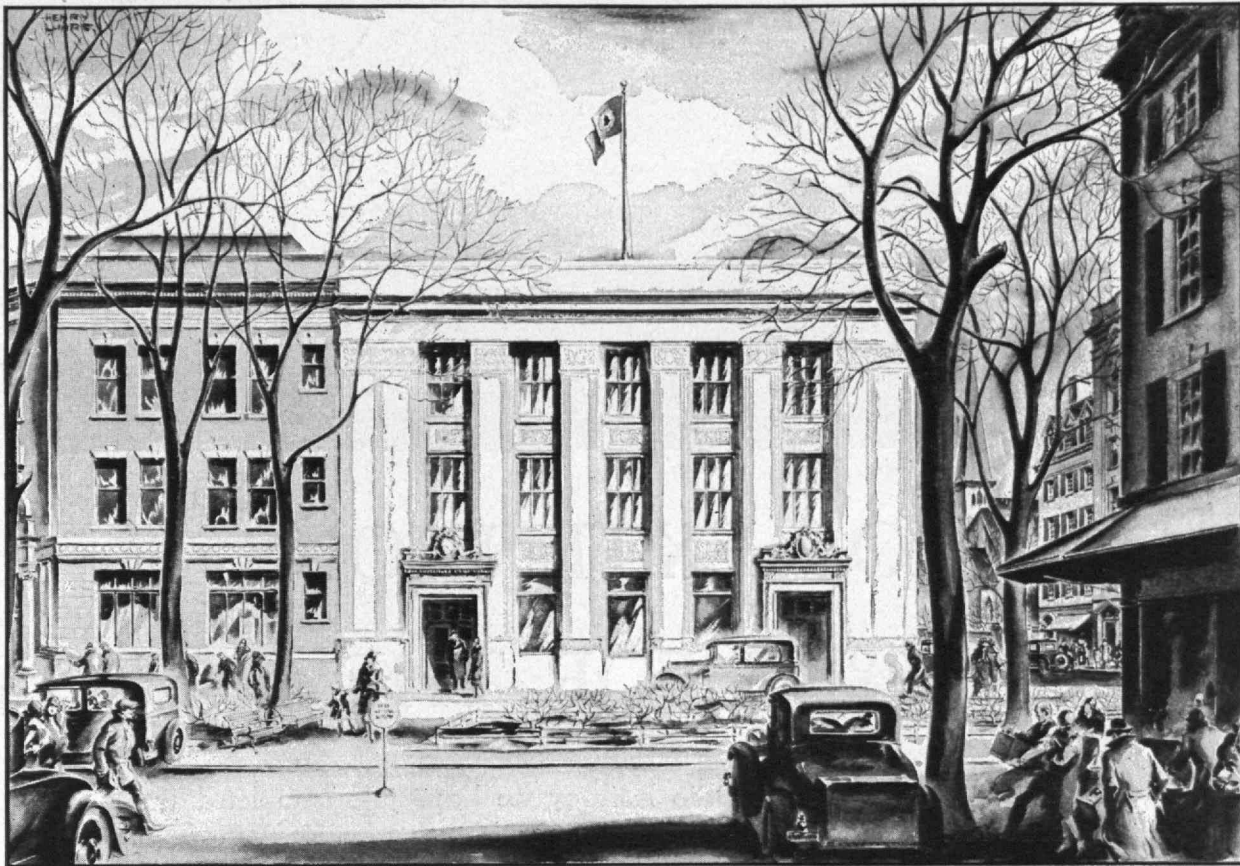
will have all heat and ventilation Johnson Controlled. The building will be occupied by the Gas Company, with space also available for public rental. A low pressure two-pipe vacuum system of heating will be used, steam purchased from a central station. All direct radiation will be controlled by Johnson Dual (Night and Day) Thermostats: divided into five separate groups, each group controlled by a dual clock, as follows: Basement, 1st, 2nd, 3rd, floors; 4th, 5th, 6th and 17th floors; 8th, 9th, 10th, 15th and 16th floors; 11th and 12th floors; 13th and 14th floors. Thus the heat will be automatically, and most economically, regulated night and day in separate sections and according to the varying uses of the rooms on the different floors. Three supply ventilation (fan) systems will be used: for the basement, 1st and 2nd floors (which will be the showrooms and company's general offices); the Home Service Department on the 11th and 12th floors; the Cafeteria and Kitchen on the 13th and 14th floors: all of them Johnson Controlled. This again indicates how The Johnson System applies to every form, plan and system of heating and ventilating: interestingly explained in literature sent upon request.

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THE TABULAR VIEW

GR^{EAT} GRAIN ELEVATORS are being built on the shores of Lake Ontario and new harbors are being suggested as a result of the building of the new Welland Ship Canal: Government engineers have just reported favorably on the development of a harbor at Oswego, N. Y. When the canal opens in July, Lake Ontario ports will receive much of the "ex-lake" grain now being trans-shipped at Buffalo, and if Oswego is to take advantage of its opportunities, the suggestions of the Army engineers must be consummated. Eastern ports, such as Boston, will receive a large proportion of the trans-shipped cargoes and they are just beginning to realize the importance to them of the Welland Ship Canal development. To all interested in this aspect of America's transportation development, as well as to those interested in new engineering achievements, the article on the Welland Ship Canal on page 283 will be helpful and revealing. Its author, JOHN J. ROWLANDS, is Contributing Editor of *The Review*, and readers will remember his widely quoted article, "Science and the Front Page," presented in December.

FOR YEARS the textile industry has been hard pressed and unsuccessful. HIBBARD S. BUSBY, '14, Director of the A. French Textile School of the Georgia School of Technology, undertakes a diagnosis on page 288. Mr. Busby's career has led him into the paper industry, into the cost department and engineering division of a silk mill, and into the laboratory as a research colorist. It is interesting to observe that the Institute of Technology has anticipated Professor Busby in some of his suggestions in that it has extended its work in textile engineering not only to students but to textile executives and directors who wish special intensive training in fundamental research by offering a course of seventeen hours a week for six weeks. Men busy in the industry have been able to avail themselves of the opportunity without greatly interfering with their regular work. With enlarged research laboratories under the direction of PROFESSORS GEORGE B. HAVEN, '94, and EDWARD R. SCHWARTZ, '23, special courses have also been offered to the graduates of the various textile schools of the country. Two options have been available; one for those wishing to specialize in manufacturing problems which may be summarized under the general term of textile engineering and the second for those desiring training in chemistry, bleaching, dyeing, and similar subjects in the field of textile chemistry.

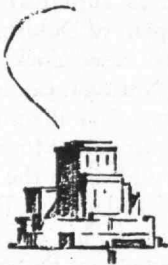
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(Concluded on page 278)

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THE TABULAR VIEW

(Concluded from page 276)

sion." It is in this manner that the subject of Mr. NOLEN's article on page 291 is described in "The New Interior Decoration," by DOROTHY TODD and RAYMOND MORTIMER. LE CORBUSIER is becoming more and more recognized as an outstanding figure in contemporary architecture, and his suggestions for the replanning of our cities have received wide attention. MR. NOLEN, who reviews his work, is a city planning landscape architect who has achieved eminence in his field. He holds degrees from the University of Pennsylvania, Harvard, and Hobart and in 1900 he studied at Munich. He has designed and supervised the building of innumerable civic and suburban developments and he has acted as adjudicator of the competitive designs for the city plan of Dublin, Ireland. He has been associated with the New York Regional Plan and is Past President on the National Conference on City Planning, and of the American City Planning Institute. He is the author of "Madison, a Model City," "Replanning Small Cities," "New Ideals in the Planning of Cities, Towns, and Villages," and "New Towns for Old." It is evident that he brings to his discussion of LE CORBUSIER and to his commentary on PROFESSOR and MRS. HUBBARD's "Our Cities Today and Tomorrow" an immense amount of experience and learning. DR. JAMES A. TOBEY, '15, is a frequent contributor to The Review. His "Business Discovers Health" appeared in the last issue.

THE REVIEW for May will be the largest issue ever published. It will contain an important article by JAMES TRUSLOW ADAMS, "Is History a Science?"; a timely admonition to print collectors by CHARLES CHILDS; a survey of science and engineering in Sweden by DR. WALDEMAR LINDGREN; and a biographical sketch of KARL T. COMPTON, President-Elect of the Institute. There will be reproduced a series of beautiful industrial photographs by MARGARET BOURKE-WHITE. The issue will exemplify The Review's policy of presenting science and engineering not dully or prosaically, but with imagination, interpretation, lucidity, and a sense of beauty. There is a demand for a journal that views the world through the eyes of the scientist and engineer and The Review is responding to this demand. In doing so it aims to be accurate, authoritative, and free from sensationalism.

THE SUBJECT reproduced on the cover of this issue is a water color, "T-Wharf," by NELSON CHAUNCEY CHASE, '17, an instructor in the Institute's Department of Architecture. MR. CHASE has done many delightful water colors and undoubtedly Review readers are already acquainted with his series of the Institute. He also had a hand in designing the present cover series. The Review is desirous of locating water colors of engineering and technical subjects. Some are already known to the Editors but they would like to know of others for possible reproduction.



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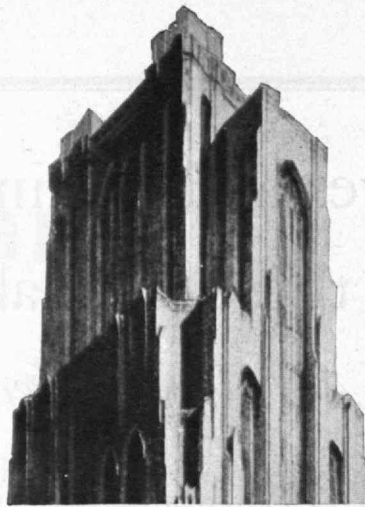
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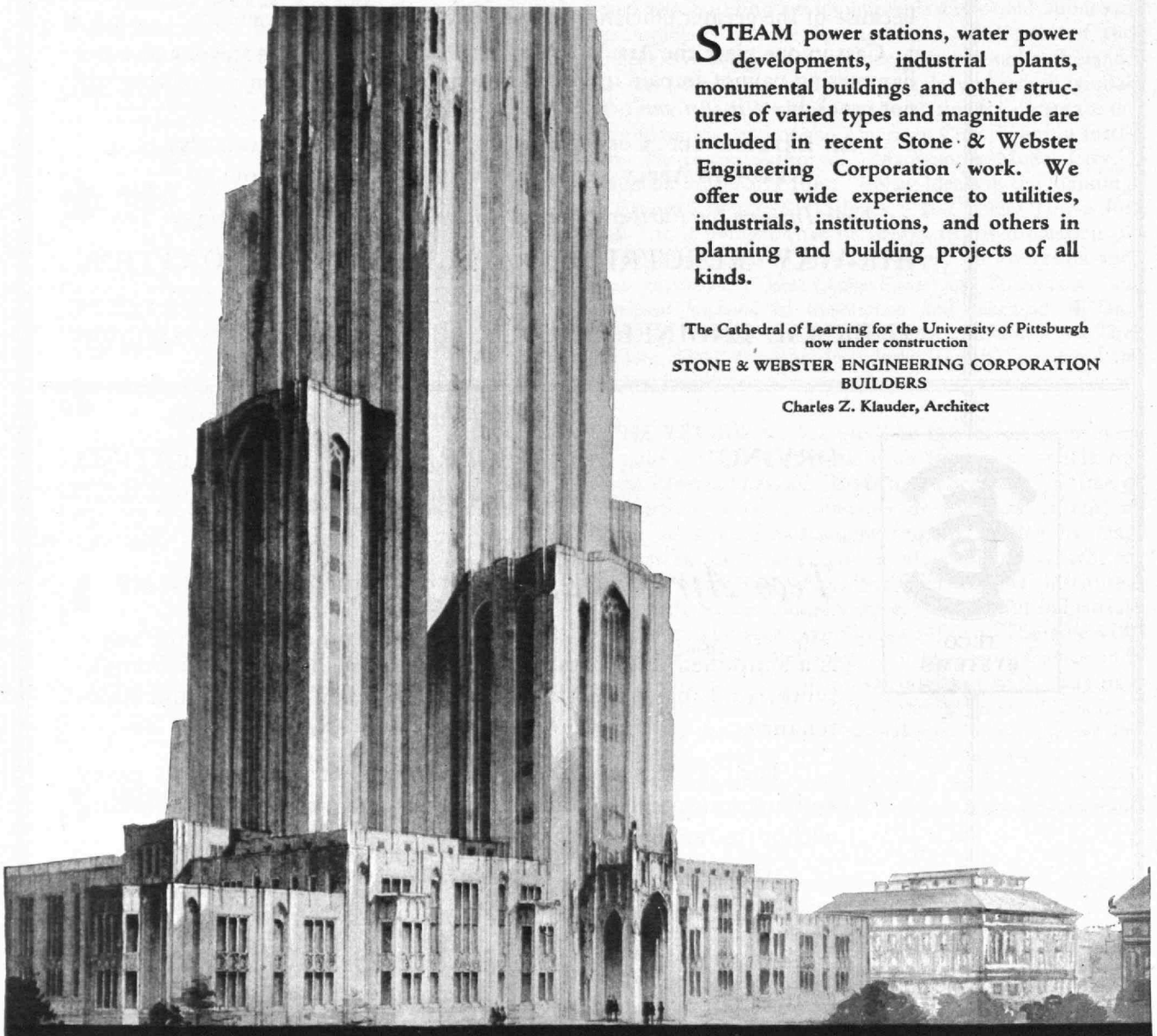
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THE TECHNOLOGY REVIEW

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H. Armstrong Roberts

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