CINEERING

The Department of Civil Engineer-g and Drawing was created by the bard of Directors in 1887 and Pro-sor John H. Kineally was elected its head. Two years later Drawwas made a separate department and physics was separated from its connection with the Department of emistry and attached to civil en-Charles Puryear, now Dear of the College, was in charge but in 1890 he was made Prof. of Mathematics and Mr. J. C. Nagle took his place as Professor of Civil Engineering and Physics. In 1902 Professor D. W. ence joined the department, giving half his tome to it and the other half to the Department of Drawing. This combination continued until 1899 when Physics was made a separate department and was placed in charge of Professor Spence. For the next four years the entire instruction work of the Civil Engineering Department was handled by one man, but upon the creation of the Electrical Engineering Department, Physics was attached to that and Professor Spence returned to the Civil Engineering Department. Gradually, as the work and importance of the department inased, additional members were added to the teaching staff until the number increased to seven three years ago, at which number it now stands.

A comparison of the content of the ourses required for graduation from the civil engineering course as offer-ed in 1890 and as offered today bears a very similar ratio to that of the number of teachers in the department then and now. For inst nce,

than is now covered by the Sopho-more class in the same subject dur-ing the second term. In 1890 the second (junior) class had short courses in road making, descriptive geometry and surveying, while the first (senior) class had equally brief chanics of materials and stresses in roofs and bridges only. Notwita-standing the meagre content of the s chanics of materials and stresses in roofs and bridges only. Notwith-standing the meagre content of the rearly courses the men who went out from them made good, not only in their professional work but as woi-thy, upstanding citizens who have left their impress upon the State in all affairs making for its upbuilding. Likewise they have been true and loyal sons of the College and have, by their lives and works, demonsta-ted the value of the training given here. This is true for the former students of all courses. The annual catalogue shows the number and variety of subjects now offered in the civil engineering course, and the next catalogue will show the addition of several broad-

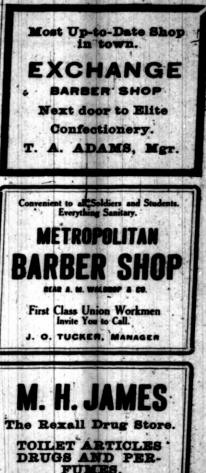
show the addition of several broa ening and humanizing courses, which however, are not simply added to the already full cirriculum but for which place has been made by readjusting and curtailing some of the courses heretofore given. It is becoming more and more evident that if the engineer is to take his rightful place in our social and economic institutions he must be a broader, more cultured and more resourceful man than he has, as a class, been in the past.

In order to better correlate the work of the civil engineering depart-

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drainage, reclamation from over-flows, bridges and buildings, and a score of other lines of constructive activities. They are scattered all over the world, almost. Mexico, South America, Panama, Canada, Korea, and a number of other foreign countries have drawn upon them for professional services. In the Engineer Corps of the Army, as well as in the line, they have made a brilliant record, most of them as officers, and after the full realization of peace they will go steadily on helping to build up and stabilize the institutions of civilization. The class of 1919 will swell the total number of civil engineering gradment three divisions, having specific uates to about 430, but year by year lines of instruction in charge, have as the need for competent engineers been created within the department. increases the yearly output of the

ad fibilowed a few years later by the ter or the Sopha- Division of Railway Engineering. At that they will always abject dur- the beginning of the present session standing steadfast upon t right and justice.



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