



Earl Bartholomew, '22 eng., one of the most brilliant graduates of the engineering college, is director of the engineering laboratories of the Ethyl Gasoline Corporation, is a former Harvard instructor and is the author of several engineering texts

## Noted engineers-- Earl Bartholomew

Success comes to some people only after years of patient plodding. To others, it comes with meteoric speed. Innate ability in many instances determines the rapidity of progress, and the fundamental training one may have for his profession.

This is the reason most engineering corporations look twice at the educational background of prospective engineering employes. Given natural ability, if a man has good training enabling him to use to the maximum that ability, he is a good prospect.

Innate ability, a quick, able mind, willingness to work, and solid training—these account for the meteoric progress of Earl Bartholomew, '22 eng.

He is one of the youngest research laboratory directors in the country. And he holds one of the most responsible positions for one of his youth. Mr Bartholomew is the director of the engineering laboratories for the Ethyl Gasoline Corporation.

Those who ask the question if grades mean anything in success, might add Mr Bartholomew on the side of grades, for in addition to his engineering degree, he is a member of Phi Beta Kappa.

While in the university, Mr Bartholomew was a member of Sigma Tau, Phi Beta Kappa, Sigma Alpha Epsilon and A. S. M. E. He is married, has two children and resides in Detroit, Michigan.

Following his graduation in 1922 with the degree of bachelor of science in me-

chanical engineering, he acted as instructor in the mechanical engineering department while doing graduate work in the engineering college.

The next year Mr Bartholomew became instructor in mechanical engineering at Harvard university. During these years he engaged in a considerable amount of commercial research, including an investigation of the analysis of gases by the thermo-electric conductivity principle and the effect of surface catalysts on combustion in an engine.

Mr Bartholomew also wrote a number of engineering textbooks for the department of education of the commonwealth of Massachusetts and a few chapters in the fifth edition of James A. Moyer's book on steam turbines.

Following his work at Harvard, Mr Bartholomew went with the Ethyl Gasoline Corporation. As director of the engineering laboratory of that company, Mr Bartholomew points out that the largest single problem which confronts the automotive industry is the provision of greater accelerating and hill-climbing ability from a given size engine. At the present time he is actively engaged in research on Ethyl gasoline and the development of high-compression engines.

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### Tau Beta Pi

Tau Beta Pi is the second oldest honorary fraternity. It was founded at Lehigh in 1885, by Dr Edward H. Williams, jr., in order that technical students

might meet and derive benefit from the same kind of a society as Phi Beta Kappa. The parent chapter existed alone until 1892 when Michigan Alpha at the University of Michigan was installed. The fraternity has since grown until there are now fifty-nine chapters encompassing all the leading engineering schools of the country. These chapters are initiating men at the rate of 1,100 per annum, and have a grand total of over 18,000 members.

The local chapter, Alpha of Oklahoma, was installed in the spring of 1926 superseding the local fraternity Tau Pi which had been in existence for several years. Herbert Oakes, '26 eng., prominent in engineering school activities at that time, was very influential in bringing a Tau Beta Pi charter to the school. He became the first president of the local chapter.

Tau Beta Pi may elect men from only the top eighth of the junior class and the top fourth of the senior class. Only three juniors may be elected each year, however. Those chosen by Oklahoma Alpha this year were Phillip B. Klein, Frank Ittner and E. Ray Will, all of Oklahoma City. Leadership, character, scholarship and social qualities are among the requirements for membership.

The officers of the local chapter are Foster C. Whiteside, president; Baxter Scoggin, vice-president; Neal Prichard, recording secretary; Kenneth T. Gillespie, corresponding secretary; S. Coulter Miller, treasurer; and G. Scott Hammonds, cataloger.