

ENGINEER'S "HEART" AND "MIND"

Engineer's "Heart" and "Mind" 及「工程教育的深度與濶度」均為中國工程師學會美國分會主席趙學長曾珏所著，曾分別刊於「臺灣工程界」及 CIE 之 Newsletter 中，洵為不可多得之論述，特予轉載，以饗各學長。 —編者識—

It is believed that applied science makes improvements and that pure science makes revolutions. An engineer is considered as a contributor to civilization inasmuch as he carries the applied science into deed for improving daily life of mankind. He must therefore have real zeal for his work and love for his community to pursue his profession to the best advantage of all. The history of Engineering tells us that an element of inner "fire" is an essential ingredient for success. It is by virtue of his warm "heart" or character that the active "mind" of the engineer finds its great usefulness.

Human power is unlimited. we can accomplish [what we are determined to do. I believe in the ingenious talent of Chinese engineers and scientists. But I want to stress the need for a bit of warmth to unite and to give service to our community—the CIE. Our organization has evolved, mainly due to the effort of the Executive Committee and the Divisional Chairmen, to a system that the technical, and to some extent social, activities are taken care of by different professional groups according to specialization, and the integrating activities by the overall CIE and its Annual Convention. Nobody can overlook the importance of the grass-root organization of Professional Groups, from which the Executive Committee of CIE are drawn. Electrical Engineering Division is one of such Groups.

Our life is exceedingly rich and full of love. An engineer must have a brotherly love for his intellectual colleagues; an almost fatherly love for his students or subordinates, to guide younger generation; and, above all, a selfless and friendly warmth to any worthy community service. [The world values the Engineer for his richness in human feeling, his warm "heart" and creative "mind".

This is my motto. I wish to share it with my fellow engineers.

May, 1957

T. C. Tsao
Past Chairman, CIE