

It must not be forgotten, however, that engineering is essentially an art of experience. The graduate who is inclined to rest on his college laurels and to cease his search for knowledge at the doors of the school would court certain failure. A proper understanding of these conditions at the start may save the student much disappointment in after years.

Some engineering courses are carried out along very practical lines, sometimes including workshop practice and most practical demonstrations with commercial apparatus, but even that will not enable the graduate to convince his first employer that he is capable of undertaking work involving considerable responsibility or to earn a large salary. He will be asked to prove his worth under the conditions of commercial operations.

At this stage the young man should consider his opportunities for gaining valuable experience rather than the size of his pay envelope. He should not hesitate to put on the *overalls* nor to soil his hands, because that is a necessary phase in his practical training.

At first he may find his work uninteresting and his scope very narrow, but if he works conscientiously, doing all things, even the most trivial, as well and as intelligently as he can, he will generally be rewarded by increased opportunities for experience of a higher order.

Gradually the full meaning of all he has been taught in college will unfold itself to him, the purpose of all the mathematics and the other dry subjects upon which he used up some of the gray matter in his brain will become manifest to him with ever increasing cleverness in concrete practical examples and he will begin to *think as an engineer*.

From this time on he will feel the power of his knowledge and if he possesses the right *engineering mind*, I predict for him much enjoyment in the practice of his profession. He will find not only his greatest pleasure, but also his greatest interest in life in solving the problems and overcoming the difficulties which give to the Electrical Engineer his *raison d'être*.

Such a course of study and preparation as I have outlined is intended to eventually fit a man for the most responsible and important engineering practice from which very substantial monetary