

Carnegie Report. That also asks for two years in "college." Let me say that while I regard this modern American plan as better than nothing, it is in my opinion radically defective. It is a method merely of removing from the medical school the burden and the responsibilities of directing the preliminary scientific education of the medical student so as to afford time for adequate instruction in the other branches of the Medical Curriculum. It holds that Biology, Physics, Inorganic and Organic Chemistry are best given to the student before he enters the Medical School. Here I am prepared to join issue. Into the effects of the plan upon reducing the number of eventual medical graduates I will enter later, only saying here that I doubt if this be the soundest method of attaining that result. There comes in here the matter of economy of effort. Take, for instance, the subject of chemistry and let us admit, as will be admitted, that the student has already obtained the grammar of this subject at the high school. Which is more economical—which will afford the better education, that the student attend the academic course in this subject, courses devised for those intending to be teachers, metallurgists, commercial chemists, scientists of various orders, courses in which, from the natural delicacy of the Arts professor, the illustrations are drawn as a rule from every branch of chemical industry save the medical; or a course or courses forming an integral or graded portion of the medical curriculum, in which illustrations, equally valuable from the educational point of view, are afforded which have a direct bearing upon medical science, illustrations which the student can apply in his later years, which must come into and be known by him in his later life work?

I speak feelingly, for I cannot but acknowledge that I have suffered permanently from the harmful effects of such an academic course. It was a course given by one who in his day was accounted the foremost teacher of chemistry in England. Without doubt I learnt something from it. I must have. But also I learnt to dislike the subject. All that I remember to-day regarding it is the waste of hours over details and diagrams regarding the Vinegar method of making white lead or the White Lead method of making vinegar—I really forget which: it does not