

If a student hopes to become a physiologist he must similarly become first a chemist and an anatomist, and the more he knows of physics the better for him and his subject. The most successful physiologist of the future will be he who can treat his subject from a profound physico-chemical standpoint.

The great duty of a student of science is not so much to amass information as to thoroughly understand the principles of the subject, and you will find later on that it is often much more valuable to be able to find information when it is wanted than to unduly burden your memory. The literature of a subject is one of the greatest difficulties a scientific man has to contend with, and this is unfortunately very frequently a mere matter of language. The mass of material being constantly poured out in English, French, German, Italian, and even Russian, is overwhelming. Luckily there is little in Spanish, and the Russians and Japanese mostly write in the German language. How is the language difficulty to be met? We cannot be expected to know all languages, and I fancy that the proposals occasionally made to return to the ancient method of writing in Latin, or to use "Esperanto," will not find favor. The practical solution, I feel sure, will be found in all scientific men being able to read English, French, and German. So I urge you to acquire, if you have not already done so, a reading knowledge of French and German. For medical students German is particularly desirable.

Learn the literature of your subject. Find out what journals it has and in what languages, and where they are to be found. You will rarely find all your journals in one library, though we have every hope that before long you may find most of what you will want in the library of the University of Manitoba.

*Always, where possible, consult the original papers, especially upon any part of the subject you are interested in, or which presents peculiar difficulties.* In some of the universities of the United States this reading of original papers is made a feature of advanced study, and it is strongly to be commended.

In reading, do not strive simply to see what the author means, but make an effort to grasp the wider significance of each fact, its relation to the main argument. *Think around the subject.*

Cultivate your imagination, and by this term I do not mean that series of delirious mental somersaults which often passes by this name, but an honest picturing in the mind of what is