

foreign character which are inapplicable to the subject we are dealing with, and in consequence disturb the result we have arrived at.

A few examples will illustrate this.

#### IV.

Methodical investigation of the outer as of the inner world started very late in the history of human civilisation.

Also research at the present day is carried on by individual persons at an age when the common-sense view of the world has been fully established in their minds. Thus the primordial relation between the two worlds has in both cases long disappeared from view. Instead of dwelling on the fundamental fact that for every individual mind, what are termed outer and inner sensations are continually intermingled, we usually disregard this fact, and the two worlds are considered to be quite separate and opposed to each other.

No doubt practical reasons urge this later view forcibly upon us.

It is likely that in the history of mankind the closer study of any subject was prompted by practical needs and considerations, and to-day also, the progress of the pure sciences is extremely slow, if compared with those other sciences which are stimulated by practical requirements.

Thus Astronomy and Geometry probably had their origin in the practical needs of travel and navigation