

which have transformed Biology. On the other side, it is true that only through precise definition, measurement, and calculation, can the most brilliant observations be put into a form in which they become of practical use. Of this, the most splendid example is to be found in Clerk Maxwell's achievement of putting Faraday's inspirations into mathematical language, thus revolutionising the whole science of applied electricity.

### III.

Reverting now to the exploration of the inner world, we have no need to dwell at any length on the breaks and chasms which it presents in the course of its continuous flow. Not only do we, in the hours of our waking life, become painfully aware of states of our consciousness which are little more than empty regions of thought out of which we can recall nothing definite or valuable. The absolute lapse of consciousness during sleep might well lead us to doubt as to our own identity, were it not for the continuity of external experiences, which we recognise through memory, and of which we originally became aware only through the assistance of others who helped us in the earliest days of our earthly existence.

As to continuity in our mental life, we know well how difficult it is to attend steadfastly to any given line of thought, or even of observation through the senses, without being continually disturbed by intruding ideas or sensations; further, how a prolonged attention to anything becomes monotonous and