condition has also been experimentally brought about and observed in animals, and the same result has been seen, namely, that in sleep the surface of the brain and its membranes became pale, the veins ceased to be distended, and only a few small vessels containing arterial blood were discernable. When the animal was roused, a blush spread over the brain, which rose through the opening of the bone. The surface became bright red; innumerable vessels, unseen before. were now everywhere discernable. and the blood seemed to be coursing The through them very rapidly. veins, like the arteries, were full and distended, but their difference of color rendered them clearly distinguishable. When the animal was fed and again allowed to sink into repose, the bloodvessels gradually resumed their former dimensions and appearance, and the surface of the brain became pale as appearances of the brain during its cumstantial evidence suggests the ing its state of repose or sleep was natural sleep is a reduction of the most remarkable." Anything, then, arterial activity in the brain. There were seen to bear out the new con-example, must act first of all on the clusion. the excitement of great mental toil or and if this be it, then it must be within of an active exercise of the imagina- the range of possibility for science to tion, fills the arteries, and is, we all discover modes of inducing sleep work hard immediately after dinner, which act precisely alike upon all & very frequent practice with the constitutions. literary class, and unless he works for hours, unless, that is, he fairly fatigues this secret empirically for ages, with himself, or after working gives his wonderful little success, there being brain an hour's rest in chat, or silence, perhaps no subject on which the evior that reading which is not reading, dence of individual experimenters but the most soothing of all mental differ so greatly or is comparatively occupations, an equivalent with many so useless. Nine-tenths of mankind men for day-dreaming, he will toss believe that fatigue yields sleep as a for an hour before he sleeps. So he sort of inevitable consequence, and so

terested at a theatre, though we admit that possibility is at present so raro as to be almost beyond the range of scientific experiment. His head, he says, "feels hot," or his "temples throb," or his eyes are dull and full of blood. Ice, again, applied to the head, has in many cases produced deep and apparently dreamless sleep, and a spirit like eau-de cologne rubbed on the head has in a minor degree the same effect. But alcohol? Well, alcohol does not, people's eyes not withstanding, fill the arteries of the brain. Practical physiologists are inclined to say that on the contrary it empties them, irritating the sympathetic herves till they contract the large arteries, and the capillaries or little ones get no supply worth men-We do not say-we are tioning. quite incompetent to say-that the question is settled, but we are entitled to say that a balance of scientific before. The contrast between the opinion and a larger balance of cirperiod of functional activity and dur- belief that the cardinal condition of that emptied the capillaries would are other conditions dependent originhelp to produce sleep, and a false ally on the nervous system of which theory being out of the way, the facts far less is known. Morphia, for Excitement, particularly nerves, but the main condition is this; know, fatal to sleep. Let anybody without resort to drugs, none of

People have been trying to discover will also if he has become really in- to most men it does, but there are