



The Effect of Odours Irritant Vapours, and Mental Work, Upon the Blood Flow: Dissertation Presented to the Beam of University Studies of the Johns Hopkins University for the Degree of Doctor of Philosophy

By T E Shields

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Effect of Odours Irritant Vapours, and Mental Work, Upon the Blood Flow: Dissertation Presented to the Beam of University Studies of the Johns Hopkins University for the Degree of Doctor of Philosophy Attempts have been made from time to time to determine the effects produced by various sensations on the circulation of the blood. In 1877 a series of experiments was conducted by MM. Couty and Charpentier, under the direction of M. Vulpian, in the hope of obtaining a more exact determination of these disturbances. They used curarized dogs with artificial respiration and recorded the results on a kymograph in the usual manner by means of a mercury manometer in connection with an artery. On stimulating the various organs of special sense they obtained cardio-vascular reactions similar in many respects to those usually obtained by stimulating sensory nerves, but differing markedly from these in their greater variability in both form and intensity under the same stimuli. Both pneumogastric nerves were then severed. Sensory stimulation continued to produce its usual effect on arterial tension, but...



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