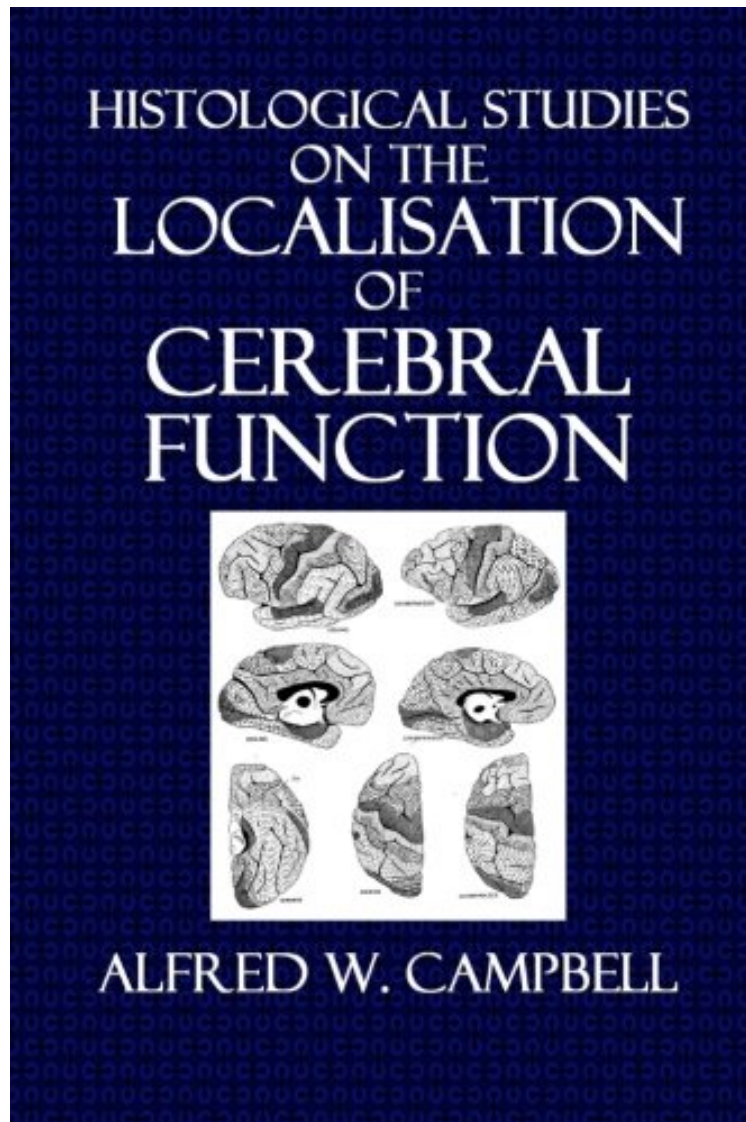


# Histological Studies on the Localisation of Cerebral Function

*Alfred W. Campbell*

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#6870596 in Books Alfred W Campbell 2014-07-31 Original language: English PDF # 1 9.00 x .86 x 6.00l, 1.12 #File Name: 1500708992380 pages Histological Studies on the Localisation of Cerebral Function | File size: 30.Mb

**Alfred W. Campbell : Histological Studies on the Localisation of Cerebral Function** before purchasing it in order to gage whether or not it would be worth my time, and all praised Histological Studies on the Localisation of Cerebral Function:

THIS is a work that has been urgently needed for a long time. Hammarbergs work on Idiocy, and isolated monographs here and there have led up to the desire for a work in which one could find the chief histological features of the entire cortex accurately and adequately presented. Dr. Campbell has done this in his quarto of 360 pages. After discussing the methods and material, and general remarks on cell lamination and the arrangement of nerve fibers in the cerebral cortex, he takes up the several areas of the brain substance. In Chapter III. the motor area is studied as to its structure and function. The arrangements of cell and fibers are given and comparisons drawn between the structure of the pre-central area of man and ape. Special attention to the giant Betz cells is given as well. Functional studies on the changes in the cortex in amyotrophic lateral sclerosis, post-amputative changes and the effects of lesions of this area are given in this chapter as well. The post central area is then taken up in the same exhaustive manner. Histological studies are followed by physiological considerations. Chapters V. and VI. treat of the visuo sensory and visuo-psychic areas, and the temporal lobes and auditory area. The limbic lobe, the parietal area, the intermediate pre-central area, the frontal and prefrontal areas and the island of Reil complete the main body of the work. In an addendum the author presents further histological studies on the localization of cerebral function, dealing particularly with the comparisons of the brain of man and those of the lion, the dog and the pig. The more one reads the more is the impression deepened that we have here a memorable volume which will serve as a new starting point in all work on the brain, whether one is interested in neurological or psychiatric problems. Campbell has set before himself the task of going over the entire brain cortex, millimeter after millimeter, and here gives us, it might be said, for the first time the complete story of the histology of the human cortex. But he has done more, for in his hands histological investigation, supplemented by embryological and pathological considerations has opened up a well of suggestions concerning cerebral localizations which may well be designated as fundamental. The work deserves the highest praise. *Journal of Nervous and Mental Disease*, Volume 34, 1907