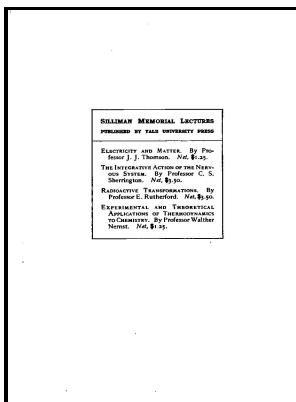


Integrative action of the nervous system.

Arno press - [PDF] The Integrative Action of the Nervous System



Description: -

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Classics in psychology

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Krieger Gardner integrative action of the nervous system

Notes: Originally published in 1948 by the Cambridge university press.

This edition was published in 1973



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Tags: #CSlide: #C.S. #Sherrington, #The #Integrative #Action #of #the #Nervous #System #(New #Haven: #Yale #University #Press, #1906).

Sir Charles Sherrington's The integrative action of the nervous system: a centenary appreciation

The rest of the arc leading up to the final common path is conveniently termed the afferent arc. Such a surface might restrain diffusion, bank up osmotic pressure, restrict the movement of ions, accumulate electric charges, support a double electric layer, alter in shape and surface tension with changes in surface-tension or in shape, or intervene as a membrane between dilute solutions of electrolytes of difference concentration or colloidal suspensions with different signs of charge. In that year, he joined his friends C.

[PDF] The Integrative Action of the Nervous System

In the multicellular animal, especially for those higher reactions which constitute its behaviour as a social unit in the natural economy, it is nervous reaction which par excellence integrates it, welds it together from its components and constitutes from a mere collection of organs an animal individual. The problem was not - as had hampered so many prior studies in this vein - disagreement amongst individual observers. This leads him into an extensive discussion of three then-current theories of emotional perception: 1 the external stimulus produces the emotional percept in the brain which consequently produces the visceral autonomic accompaniments; 2 the stimulus generates the percept and the visceral responses simultaneously or 3 the stimulus produces the visceral responses which in turn are appreciated by the brain as the emotional percept, as argued by William James and, somewhat differently, by Lange and Sergi.

Integrative Action of the Autonomic Nervous System : Neurobiology of Homeostasis by Wilfrid Jänig (2008, Trade Paperback) for sale online

Progressing through ideas already discussed about exteroceptive and proprioceptive afferents, and the organization of spinal segments and basic motor reflexes, Sherrington introduces the critical importance of the labyrinths as detectors of position in space acting in concert with, and part of, the proprioceptive system ruled by the cerebellum. Next-day or second-day air service is available upon request.

The integrative action of the nervous system : Sherrington, Charles Scott, Sir, 1857

It is comprised of sensory receptors, which process changes in internal and external stimuli and communicate that information to the CNS.

The Nervous System

In 1891, Sherrington was appointed Superintendent of the Brown Institute of the University of London, a veterinary hospital that afforded him a large material for experimental work.

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