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## Synopsis of a Course of Lectures: On the Anatomy, Physiology and Histo-Chemistry of the Nervous System (Classic Reprint)

By John A Benson

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Synopsis of a Course of Lectures: On the Anatomy, Physiology and Histo-Chemistry of the Nervous System The determining characteristics of living things. Barriers separating animate and inanimate worlds. The Cell - peri-nuclear portion, the nucleus, nucleolus, etc. Properties of Protoplasm. Observations of Authorities, to-wit: Schwann, Dujardin, etc., to the present time. Karyokinesis. Unicellular plants - Torula, Protococcus pluvialis. Unicellular animals - Proteus animalcule. Parasitic organisms - Pencillium glaucum, Mucor mucedo, Bacteria. Unicellular animals with differentiation of structure - Vorticella. Multicellular organisms - Hydra viridis, Hydra fusca. Formation of a nervous system - Beginning of differentiation of nervous from other elements, as illustrated in simpler forms of life. Formation of reflex loop. Higher arrangement of ganglia and fibres. Ratio of fusion of nerve cells and strands to integration of function. Functions of the nervous system in associating different parts of the same body; in bringing the living being into relation with the external world. Reproduction - Embryonic growth and development with special reference to the nervous system. The law of periodicity, or rhythm in nature -...

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