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With Reference to Central Block Processes. By Kisselev M. The author performed experiments with decerebrumized by Sherrington's method cats. By the irritation of the ipsilateral n. peronei a flexible reflex of the m. semitendinosus was attained, while the irritation of the contralateral n. peronei blocked it. The summation of the blocks was proved by the experiments: an accumulation of the «block substance» and its gradual disappearance. An explanation of an exceptional case of the «after block exaltation» was submitted. The feasibility of the block influence, when the stimulating irritation preceded that of the block by thousands parts of a second, was finally ascertained by experiments with two separate inductional shocks, of which one caused a depression and the other an excitement. Moreover by juxtaposing the provisional relations a direct way was supposed to exist from the block impulses toward the last or last but one motive neuron of a given reflex, where their conflict with irritations takes place.
