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Some Aspects of the Problem of Fatigue

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It offers the means of investigating the following problems: Is there a fixed ratio of the frequencies of the two primaries at which two beating intertones are heard? Under what conditions are two beating intertones heard when two primary tones are sounding? What are the maximum and minimum beat frequencies at which two intertones are heard throughout the range of audibility?

STATE UNIVERSITY OF IOWA,
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SOME ASPECTS OF THE PROBLEM OF FATIGUE

CHRISTIAN A. RUCKMICK

In general fatigue is introspectively describable in terms of kinesthetic relaxation and low attentive ebb of ideas with an affective aspect of indifference, sometimes bordering on mild pleasantness. Galvanic responses taken by both the Hathaway apparatus and a highly sensitive D'Arsonval galvanometer show marked individual differences with a general tendency toward lower bodily resistance under fatigue. Two types of fatigue are distinguished: cognitive fatigue and bodily or physical fatigue. Under some experimental conditions both types may be combined. The galvanometric response varies with each type. Muscular fatigue, due probably to continued residual twitchings and tremblings, tends to show increased response, while cognitive fatigue usually shows diminished response. The technique and results are given in detail.

STATE UNIVERSITY OF IOWA,
IOWA CITY.

THE EXPERIMENTAL PSYCHOLOGY OF THE PRESCHOOL CHILD (*Illustrated*)

BETH L. WELLMAN

Since the establishment of the first preschool psychological laboratory in 1921, the Iowa Child Welfare Research Station has been conducting, as one part of the program in the mental development of young children, a series of experiments that have been repeated, extended and amplified from year to year. These experiments have been planned to afford detailed analyses of performance and the evaluation of psychological processes rather than test standards or the clinical diagnosis of a particular child.