

# SCIENCE

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THE GROUP AS A STIMULUS TO MENTAL ACTIVITY<sup>1</sup>

## CONTENTS

<i>The Group as a Stimulus to Mental Activity:</i> PROFESSOR WILLIAM H. BURNHAM .....	761
<i>The Principle of Relativity:</i> DR. D. F. COM-STOCK .....	767
<i>Some Considerations as to the Nature of Comets and their Probable Relation to the Sun:</i> PROFESSOR ELIHU THOMSON .....	772
<i>Robert Parr Whitfield:</i> L. P. G. ....	774
<i>Conference on Agricultural Nature Study ..</i>	775
<i>Report of an Investigation of the Phenomena connected with Eusapia Palladino .....</i>	776
<i>The Carnegie Foundation .....</i>	780
<i>Scientific Notes and News .....</i>	781
<i>University and Educational News .....</i>	784
<i>Discussion and Correspondence:—</i>	
<i>The Length of Service Pensions of the Carnegie Foundation:</i> Z. ....	784
<i>Scientific Books:—</i>	
<i>The Gulick Hygiene Series:</i> PROFESSOR THOMAS A. STOREY. <i>Conn's Agricultural Bacteriology:</i> PROFESSOR H. L. RUSSELL ..	785
<i>Special Articles:—</i>	
<i>Note on the Chromosomes of Nezara:</i> PROFESSOR EDMUND B. WILSON. <i>The Structural Characteristics and Relations of the Apodal Fishes:</i> DR. THEO. GILL. <i>The Proper Restriction of Eucynopotamus:</i> HENRY W. FOWLER .....	788
<i>The American Phytopathological Society:</i> DR. C. L. SHEAR .....	790
<i>Societies and Academies:—</i>	
<i>The Chemical Society of Washington:</i> J. A. LECLERC. <i>The American Mathematical Society:</i> PROFESSOR F. N. COLE. <i>The American Chemical Society, Rhode Island Section:</i> ALBERT W. CLAFLIN .....	799

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THE purpose of this paper is not to present the results of an original investigation, but merely to suggest a problem. Efficiency in brain activity and in correlated mental activity depends upon many conditions. Among these are physiological age, race, sex, the blood supply to the brain, as determined by general nutrition, exercise, posture, and the size of the cerebral arteries; the quality of the blood as determined by food, drugs, the supply of oxygen, nasal respiration, etc.; again by a group of conditions which make up the environment, the temperature, humidity, barometric pressure, light, peripheral stimulation, etc. Again as the social instincts in man are fundamental, one of the most important factors in his environment is the presence or absence of other human beings. This can not be ignored. The problem I wish to present is this: What is the effect on mental activity of the presence of a group of other persons, if studied objectively like the effects of temperature, barometric pressure, or the like? Perhaps the best way to present this problem is to recount briefly the meager but important results of investigations already made.<sup>2</sup>

Studies in social psychology have shown that an individual alone and the same individual in a group are two different psychological beings. Recent investigations show that the same is true of children. The

<sup>1</sup>Read before Section L, American Association for the Advancement of Science, Boston, December, 1909.

<sup>2</sup>For reference to the studies mentioned below see *Ped. Sem.*, Vol. XII., June, 1905, pp. 229-230.