

Potter's translation of Warming's 'Hand-book of Systematic Botany'; Darwin's 'Elements of Botany'; Lloyd's illustrations of fungi; MacDougal's 'Experimental Plant Physiology'; Bailey's 'Horticulturist's Rule Book'; Comstock's 'Manual for the Study of Insects'; and Dewey's last weed bulletin. In an *Open Letter* Professor Hollick replies on behalf of paleobotanists to Mr. Holmes' criticisms previously referred to. The number closes with four pages of *Notes and News*.

#### THE PSYCHOLOGICAL REVIEW, JULY.

*The Psychology of Pain.* By PROFESSOR C. A. STRONG.

In this article the author reviews the evidence as to a sensation of pain, citing many pathological cases. He concludes in favor of pain as a sensation in addition to the unpleasantness which accompanies mental contents. He does not incline, however, to accept the view that sensation-pain has separate nerve fibres of its own.

*Experimental Induction of Automatic Processes.*

By PROFESSOR W. R. NEWBOLD.

A detailed experimental study of the visual images induced by steady gazing upon a shining surface, called 'crystal vision.' Many new and interesting experiences and variations are reported. The author takes occasion, on the strength of his experiments, to combat the theory of subconscious trains of ideas or 'secondary personalities' to account for these phenomena; holding that they can be explained as complex responses of the lower centres to stimulation.

*Sensory Stimulation by Attention.* By PROFESSOR J. G. HIBBEN.

Report of a case—a girl who could not hear except when her attention was directed to the source of the sound. The author discusses other cases of a similar kind and the possible grounds on which a reinforcement

might come to the sensory processes from the processes of attention.

*Shorter Contributions; Discussions:* including a discussion on 'Shadows of Bloodvessels on the Retina,' by MRS. C. LADD FRANKLIN; 'The New Psychology in Undergraduate Work,' by H. K. WOLFE, etc., followed by *Psychological Literature; Notes*.

#### PSYCHE, AUGUST.

W. T. BLATCHLEY gives notes on 38 of the Heteroptera observed by him while winter collecting in Vigo County, Indiana. Dr. A. Davidson describes the habits of a Californian Stigmus, a wasp which stores its cells with aphides and notices two parasites bred from the larvæ, one of which is here described by Ashmead. C. H. T. Townsend describes the prickly leaf-gall of *Rhodites tumidus* on *Rosa fendleri* in New Mexico. D. W. Coquillett records the occurrence of *Acreotrichus* in Washington (State), a genus of Diptera heretofore known only from Australia, and describes the species. A. P. Morse describes three new species of North American Odonata of the genera *Nehalennia* and *Enallagma*; and Miss C. G. Soule prints some miscellaneous notes on moths. Brief proceedings of the Cambridge Entomological Club follow.

#### NEW BOOKS.

*Elements of Botany.* FRANCIS DARWIN. Cambridge, University Press. 1895. Pp. vii+235. \$1.60.

*The Science of Mechanics.* ERNEST MACH. Translated by Thomas J. McCormack. Chicago, Open Court Publishing Co. 1893. Pp. xiv+534.

*Schneekrystalle.* G. HELLMAN. Berlin, Rudolf Mückenberger. 1893. Pp. 66. M. 6.

*Annual Report of the Geological Survey of Canada, Vol. VI.* Ottawa. 1895. Pp. x+212.

*Proceedings of the Iowa Academy of Sciences for 1894, Vol. II.* Des Moines. 1895. Pp. 222.