tion of the work treats of the superior systematizations of the brain, comprising visual, auditory, tactile, olfactory and gustatory innervations. The chapter on language and ideation, together with the cerebral localizations of language and of the aphasias is particularly noteworthy. The phenomena of sleep, hypnotism, dissociations of personality, spiritualism and other topics belonging to the borderland between physiology and psychology are briefly defined in terms of physiological functions.

The work embodies the latest real advances in our knowledge of the nervous system without being burdened by superfluous references to trivial points of controversy. Each chapter is followed by a fairly extensive classified bibliography and the translator's work is practically faultless. The illustrations have been selected with care and are neither too few nor too many in number. The work will surely commend itself to both the physiologist and the practical neurologist.

Edw. Anthony Spitzka.

SCIENTIFIC JOURNALS AND ARTICLES.

The July number (volume 7, number 3) of the *Transactions of the American Mathematical Society* contains the following papers:

M. Mason: 'On the boundary value problems of linear ordinary differential equations of second order.'

M. W. Haskell: 'The resolution of any collineation into perspective reflections.'

L. E. Dickson: 'Linear algebras in which division is always uniquely possible.'

J. E. Wright: 'Correspondences and the theory of groups.'

E. Kasner: 'The trajectories of dynamics.'

R. Morris: 'On the automorphic functions of the group $(0, 3; l_1, l_2, l_3)$.'

R. G. D. Richardson: 'Improper multiple integrals.'

The opening (October) number of volume 13 of the *Bulletin of the American Mathematical Society* contains the following articles: 'Criteria for the Irreducibility of Functions in a Finite Field,' by L. E. Dickson; 'On the Theory of Equations in a Modular Field,' by L. E. Dickson; 'Notes on the Variation of the Definite Integral,' by N. J. Lennes; 'A Note on Transitive Groups,' by W. A. Manning; 'Differential Geometry of n Dimensional Space' (Review of Guichard's Systèmes triplement indéterminés et Systèmes triple-orthogonaux), by L. P. Eisenhart; Shorter Notices (Macfarlane's Bibliography of Quaternions and Allied Systems of Mathematics, by H. E. Hawkes; Echol's Elementary Text-book on the Differential and Integral Calculus, by M. W. Haskell; Cattell's American Men of Science, a Biographical Directory, by G. A. Miller); Notes; New Publications.

The American Naturalist for September contains the following articles: 'Histogenesis of the Retina,' by A. W. Weysse and W. S. Burgess; 'Notes on Marine Copepoda of Rhode Island,' by L. W. Williams; and 'Lichens of Mount Monadnock, New Hampshire,' R. H. Howe, Jr. The first paper is based on a study of the retina in the chick, is fully illustrated, and shows, among other things, that there is a large amount of individual variation in the rate of development of the retina as a whole, and also of its component parts. Mr. Williams, in his paper, records twenty-six species of copepods, three of which are described as new. Mr. Howe records no less than seventy-one species of lichens from Mt. Monadnock.

The Museums Journal of Great Britain for August contains an abstract of the Bristol meeting and a detailed history of the Bristol Museum and Art Gallery, by Ald. W. R. Barker. The next meeting of the association will be held at Dundee.

DISCUSSION AND CORRESPONDENCE.

CATS AS PLANT INVESTIGATORS.

It has taken half a lifetime for Americans to discover the delicious qualities of the pomelo, but it has taken the cats of Boston only six months to appreciate a new cat delicacy.

Professor Sargent, of the Arnold Arboretum, near Boston, imported from Central China a new vine, only a few plants of which were securable. As the species (*Actinidia polygamia*,