

pleasure, such as the vast domain of religious and symbolic art; and consequently under none of the sub-headings are these mentioned. Why 'administration' and 'sociology' should be separated is not obvious, and that it is erroneous is apparent from the substantial duplication of the sub-headings, as 'marriage' under the former, 'relations of the sexes' under the latter; 'crimes' under one, 'ethics' under the other; 'governing powers' under the one, 'family and clan' under the other, and so on.

A curious omission in these days is that of folk-lore from the leading titles. It is a clear-cut, independent branch of anthropology, with a field of its own and a vast literature; yet it appears only as a third-rate subordinate subject; though the Committee perhaps thought to make amends for this by inserting it twice, once under 'arts of pleasure' and again under 'superstitions!' This would involve duplicating at least a thousand titles a year. The drama is placed under 'arts of pleasure,' history under 'science,' while writing and records are included under 'communication of ideas.' This seems a forcible divulsion.

The advanced anthropology of the present day does not intend to confine itself to 'primitive races' nor prehistoric remains, but aims to study the progressive and regressive developments of the species Man as a whole, and as divided by natural or artificial lines into groups, ethnic or demotic. All art, science and history, when treated in this spirit and for this purpose, become the material of the anthropologist, and the subjects of his investigation.

This broad comprehension of the spirit of the science seems obscurely set forth, or rather, is not at all recognized in the items of the schedule, and it is earnestly to be hoped that before it is proceeded with, it will be recast in a frame more adequately adapted to represent the true scope of anthropology.

D. G. BRINTON.

SCIENTIFIC JOURNALS.

THE greater part of the *Botanical Gazette* for August is taken up by an extensive and elaborately illustrated article carried out under the direction of Professor Geo. F. Atkinson, on the

'Development of some Anthracnoses,' by Miss Bertha Stoneman. The paper aims to ascertain, by the growth-characters developed in artificial cultures, the relationships of certain fungus diseases grouped under the common name of anthracnoses and the connection of these imperfect fungi with perfect stages. The other article of the number, by Mr. William L. Bray, discusses the relation of the flora of the lower Sonoran zone in North America to the flora of the arid zones of Chili and Argentine.

THE *American Naturalist* for August contains the following articles: 'Dentition of Devonian Ptyctodontidæ,' C. R. Eastman; 'The Wings of Insects' (III), J. H. Comstock and J. G. Needham; 'Alternation of Sex in a Brood of Young Sparrow Hawks,' R. W. Shufeldt; 'Noxious or Beneficial? False Premises in Economic Zoology,' Samuel N. Rhoads; and 'A Pocket Mouse in Confinement,' J. A. Allen.

THE frontispiece of *Appleton's Popular Science Monthly* for September is a portrait of Charles Goodyear and a sketch of the life of the inventor of vulcanized rubber is given by Mr. Clarke Dooley. The opening article is an illustrated account of geological waterways across Central America, by Dr. J. W. Spencer. There are popular entomological papers by Clarence M. Weed and Margaret T. D. Badenock, and several articles on educational and sociological topics.

NEW BOOKS.

Introduction to the Theory of Analytic Functions.

J. HARKNESS and F. MORLEY. London and New York, The Macmillan Company. 1898. Pp. xv + 336. \$3.00.

Inorganic Chemistry According to the Periodic Law.

F. P. VENABLE and JAMES LEWIS HOWE. Easton, Pa., The Chemical Publishing Company. 1898. Pp. v + 266. \$1.50.

Organic Evolution Considered. ALFRED FAIRHURST. St. Louis, Christian Publishing Co. 1897. Pp. 386.

The Psychical Correlation of Religious Emotion and Sexual Desire. JAMES WEIR, JR. Louisville, Ky. 1898. Pp. 338.

The Elements of Physics. ALFRED PAYSON GAGE. Boston, Ginn & Co. 1898. Pp. viii + 381.