

BOOK NOTICES.

ENTOMOLOGY, with special reference to its Biological and Economic Aspects.—By Justus Watson Folsom, Sc. D., Instructor in Entomology at the University of Illinois. Octavo, pp. 485, five plates and 300 other illustrations. P. Blakiston's Son & Co., 1012 Walnut Street, Philadelphia. (Price \$3.00.)

Of recent years a number of text-books, more or less complete, have been placed before the public, but none has been prepared with the object that the author of this new work has in view. The Insect Book, the Butterfly and Moth Books, Comstock's and Kellogg's Manuals, all treat of insects largely from the systematic standpoint, detailing their information according to families. Packard's valuable "Text-book" reviews our knowledge of structure and development. Smith's Entomology is our most complete economic book. But the vast array of facts and the many theoretical problems that have appeared in various publications concerning the other phases of insect study, have never before been accumulated and digested in any American text-book.

Dr. Folsom is a teacher, and has prepared his book principally to fulfil the requirements of certain college courses in entomology, which have not hitherto possessed a comprehensive text-book. Accordingly, the Classification of Insects, which has been so fully treated in the above-mentioned works, serves but for a short introductory chapter, and is followed by two long chapters, occupying about a third of the volume, on Anatomy and Physiology, and Development. When the student has mastered this portion of the book, his laboratory work will have afforded him a sufficient acquaintance with a large number of typical insects to enable him to appreciate the remainder, which is the really distinctive part of the work. To the collector and general reader of the CANADIAN ENTOMOLOGIST, who may not have access to libraries, or have had the advantage of a college course, but who do know the haunts and habits of the insects they search for, this portion of the work will prove an inspiration. The titles of the chapters, which alone we give, should certainly stimulate a desire to penetrate further and learn the impartial consideration that the author has given to the problems of entomology. The following are the subjects of chapters 4 to 13: Adaptations of Aquatic Insects, Colour and Coloration, Adaptive Coloration, Origin of Adaptations and of Species, Insects in relation to Plants, Insects in relation to other Animals, Interrelations of Insects, Insect Behaviour, Distribution, Insects in relation to Man.

These several topics may be treated of in other works, but in none so completely as in the more than two hundred pages that Dr. Folsom devotes to them. The volume concludes with a very full classified bibliography and a necessary index. The plates and other illustrations, a large number of which are original, are excellent, and add greatly to the value of the work.

A. L. MELANDER.

We wish to add our testimony to the excellence of Dr. Folsom's new work on Entomology. As a text-book it covers a field hitherto unoccupied, and will, we are sure, prove most useful to teachers and students in scientific and agricultural institutions, and will also be found instructive and interesting by all who are in any way devoted to the study of insects. It should find a place on the book shelves of every working entomologist, and when there will be constantly referred to and consulted. It is written in a clear and attractive manner, and is replete with information gathered from many sources, and including the most recent discoveries and investigations. We congratulate the author on the completion of an admirable piece of work, for undertaking which he deserves the grateful thanks of all North American entomologists.

C. J. S. BETHUNE.

EXPLANATION OF TERMS USED IN ENTOMOLOGY.—Prepared by John B. Smith, Sc. D., Professor of Entomology in Rutgers College, etc. Published by the Brooklyn Entomological Society, Brooklyn, N. Y. (Price, \$2.00.)

Every Entomologist has, no doubt, been at a loss from time to time regarding the exact meaning of some term that he has met with in a descriptive article on some group of insects in which he is interested. He may have been able to guess the meaning from its obvious derivation from Greek or Latin, or to ascertain it by consulting a comprehensive dictionary. On the other hand, his knowledge of classical languages may be slight and no library may be available, and thus he is left in doubt regarding the term which is of much importance to a right understanding of the article. Thanks to Dr. Smith's careful work, he may now be relieved of this difficulty; the Glossary just published will fulfil all his wants in this respect and a reference to it will give in a clear and concise form the meaning of the hitherto unknown term.

The volume contains over 150 pages, and at a rough calculation between four and five thousand terms. We have tested it in many cases and have also dipped into it at random here and there; in every instance

we have found the word looked for and been satisfied with the definition given. As the author states in the preface, the work cannot, in the nature of things, be regarded as perfect or complete, but it is as nearly so as one can expect, and every one who discovers an error or omission should at once make it known to the author in order that when another edition is published the highest possible standard may be reached.

The four plates at the end of the book will be found most useful. They show the Structures of the External Body Wall of several typical insects, those of the Head, Mouth, Thorax and Genitalia, the Venation according to the Comstock system, and the Nomenclature of Colours.

C. J. S. B.

BULLETIN OF THE BRITISH COLUMBIA ENTOMOLOGICAL SOCIETY.—No. 2, June, 1906.

The second quarterly issue of this four-page publication has been received. It contains a valuable paper on "System in Collecting," lists of remarkable captures, Notes on the Season, etc., and a continuation of the B. C. List of Coleoptera, comprising the Buprestidæ, and the beginning of the Diptera, families Bombyliidæ and Therevidæ. The spring meeting was held at Duncan's on April 19. Our friends on the Pacific Coast are certainly working enthusiastically and diligently exploring their most interesting province of the Dominion.

STUDIES IN THE GENUS *INCISALIA*.—Mr. John H. Cook regrets to announce that he will be unable, through pressure of other work, to continue this series of papers until autumn. The next instalment will be published in October or November.

CHANGE OF ADDRESS.

All correspondence, books, exchanges, etc., for the Entomological Society of Ontario or the CANADIAN ENTOMOLOGIST, should in future be addressed to

GUELPH, CANADA,

and not, as heretofore, to London, Ontario.

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