

of a knowledge of our body functions has led to greater emphasis on physiology and hygiene in our biology courses. For the teacher who desires a ready reference giving the principles of physiology along with their practical applications this third edition of Crandall's will prove a convenient handbook. The previous editions set forth the salient features of each body function in their simplest terms. This edition, revised and rewritten in the same interesting style, brings this knowledge up to date, especially in the fields of respiration, nutrition, sensation and circulation. The illustrations are adequate and well chosen. A glossary is included.

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GUBERLET, MURIEL LEWIN. *The Seashore Parade*. The Jaques Cattell Press, Lancaster, Pennsylvania. 197 pp. Illus. 1942. \$1.75.

Muriel Lewin Guberlet, knowing the seashore and its tenants, describes for the reader of "The Seashore Parade" the immense ecological drama enacted frequently through necessity by the common organisms of this area. This book has an array of facts which emphasize structural adaptations to both biological and physical aspects of this environment. Likewise, factors such as food habits and protective adaptations are discussed in connection with organisms described.

The book has a value, which should not be overlooked when junior high school science and biology teachers are selecting supplementary reference books; for example, this information may become the foundation upon which more detailed scientific information can be taught to students. Jan Ogden's illustrations, both colored and pen sketches, have a significant relationship to the animals described in the book.

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DOBZHANSKY, TH. (Editor). *Biological Symposia*. Vol. VI. The Jaques Cattell Press, Lancaster, Pa. xii + 355 pp. 1942. \$3.50.

A noteworthy characteristic of today's growth of biology is the progressive synthesis of results of investigations in the specialized fields. This movement is evidenced by the frequent presentation of symposia on broad general problems. Making up the present volume are three symposia on three such problems: *Temperature and Evolution* (9 papers), *Isolating Mechanisms* (4 papers), and *Genetic Control of Embryonic Development* (3 papers).

A majority of the fourteen contributors

(H. H. Plough, G. Fankhauser, George P. Child, Emil Witschi, H. J. Muller, Walter Landauer, Alfred C. Kinsey, John A. Moore, G. Ledyard Stebbins, Jr., Albert P. Blair, J. T. Patterson, V. C. Twitty, V. Hamburger, Sewall Wright) are prolific workers and respected authorities in their special fields. The articles are largely summaries of researches extending in some cases over a period of many years. Much light is thrown on the process of evolution through analysis of recently discovered facts in taxonomy, ecology, cytology, genetics, and experimental embryology. Isolation in its various forms—a factor in species formation receiving much attention from modern students—is given a penetrating discussion in connection with studies on plants, gall wasps, drosophilas, and anurans. The papers on the genetic control of embryonic development illustrate in amphibia, the chick, and the guinea pig the progress made toward a synthesis of genetics and embryology.

Many of the articles are illustrated with excellent drawings and photographs; each has its own literature list. There is no index. The typography is excellent and the binding substantial. This book is heartily recommended as an addition to the biology library and for a place on the shelf of the serious student of living things.

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