

REVIEWS

Anti-Mosquito Measures with Special Reference to India. Fifth Edition. By Lt.-Col. G. Covell, I.M.S. *Health Bulletin* No. 11, Malaria Bureau No. 3. (Manager of Publications, Delhi), 1940. Pp. 56. Price As. 8 or 9d.

This small bulletin deals in a concise but useful manner with the essential features of the modern methods of mosquito control. When it is realized that mosquitoes and the diseases transmitted by them can be controlled by more than one method, it becomes evident that the choice of method in any particular situation needs careful consideration. It is not possible, within the compass of this small bulletin of fifty-six pages, to go in detail into the intricate technicalities of the different aspects of mosquito control. But it is possible first to describe briefly most of the well-tried and accepted methods and then to indicate briefly under each method its merits and limitations. The author has very successfully done this, and consequently the bulletin presents a balanced description of the several methods of mosquito control now in use. Some of the latest developments, such as spray-killing adult mosquitoes, dustless method of applying paris green, etc., are included as also a fine chapter on naturalistic methods.

T. R. R.

Farm Animals, Their Breeding, Growth, and Inheritance. By John Hammond. (Messrs. Edward Arnold & Co., London), 1940. Pp. viii + 199. Price 14sh.

The book *Farm Animals* by John Hammond, which is based on two lectures given by him contains a brief sketch of the latest advances in the study of the scientific principles governing the genesis, growth and reproduction of farm animals, such as horses, cattle, sheep, pigs and poultry. The book is divided into two parts. The first deals with the principles of utility and growth of live-stock and poultry and the second, with those relating to genetics. In a small book of this kind it is only natural that the subject is dealt with in a very brief manner, only touching upon the latest advances in the science of genetics.

Under Part I, breeding seasons of the different animals, their fertility and sterility and artificial insemination are dealt with briefly and under Part II, the principles of heredity, the effects of selection and environment and other special problems in breeding for commercial utility are briefly outlined. The book is very well illustrated, but what is more important, it contains at the end a list of references which would be very valuable for collecting more detailed information on the subjects referred to in the book.

B. T. N.

Insect Pests in Stored Products. By H. Hayhurst. (Chapman and Hall, Ltd., London), 1940. Pp. 83 + 48 plates. Price 5sh. net.

This publication is in the nature of a handbook of 83 pages with numerous photographs of insects that infest stored products, brief notes on them and a list of substances and their pests for ready reference. In describing the insects, the orders are first referred to, then the families; the individual insects are then described. The book is written for the benefit of laymen, millers and store keepers. The treatment is not rigorously scientific. Entomological notes are rather loosely given and some of the technical conventions observed in entomological publications are overlooked. Thus the names of the insects are not authenticated by including the authors' names except in the case of those insects which are illustrated in the book.

In the list of substances and pests at the end of the book we find the following under substances: *Ephestia* (a moth), *Mites*, *Plodia* (a moth), *Tyroglyphidæ* (mites); and the following under pests: *Microbracon*, *Lyctocoris*, *Chelifer*!!

As a handbook for millers and store keepers, the book may prove useful. One would have wished for a more satisfactory treatment of the subject both with regard to the insect pests and the methods of pest control.

T. V. S.