

material has been selected from the author's knowledge of the subject. In turn, this information has been gained through many years of research. Facts, previously unpublished, are included. In addition, Dr. Hagan bridges a gap by compounding the scattered publications of other recognized authorities in this field. The discussion of each species or group under consideration begins with a historical approach. Suitable references to literature is cited for those who wish to delve deeper into this phase. This is followed by a review of the structure of the female insect's reproductive system, and a thorough account of the steps in the development of the embryo. The final chapter, an appraisal of viviparity, discusses modifications associated with viviparity, evolutionary trends toward viviparity, maternal solicitude, and the future of viviparity.

This well documented book is supported by numerous references, 160 illustrations, a twenty page bibliography of international references, and an index. Coverage of the subject is so thorough that the book is certain to stand for years as an authoritative reference on insect viviparity.

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STANFORD, E. E. *Man and the Living World*.
2nd ed. Macmillan Company, New York.
xvi + 863 pp. illus. 1951. \$5.50.

In varying degrees of brevity *Man and the Living World* treats virtually all the sciences which supplement a course in general biology. Emphasis is on man, with respect to physiology, heredity, and the effects of microorganisms on health. In use as a college text, such topics as the breeds of chickens, the gaits of horses, hydroponics, and the food habits of the cow are likely to be used as supplementary reading. Eighty-four pages are devoted to a survey of the animal kingdom and 66 to the plant kingdom. Dr. Stanford's style is formal but generally quite clear.

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