

The relatively small number of pages should not fool the prospective buyer, for the author has managed to lucidly explain, and even with depth, the current knowledge of the cell. I may be lint-picking, but his references to other scientists has no consistency, e.g., sometimes first names, or doctorate designation, or geographic location, etc. Watson and Crick are alternately referred to in that order or as Crick and Watson. This must confound the indexer. There is a full appendix of useful formulas and diagrams.

Truly, this is a valuable book for the student *and* teacher with biological background, and one which I would heartily endorse to be read by all biology teachers.

INTERACTING SYSTEMS IN DEVELOPMENT, James D. Ebert, 226 pp., Holt, Rinehart and Winston, New York, 1965.

A paperback in Holt's Modern Biology Series. The author is a renowned embryologist, but he early disposes of the idea that a book in developmental biology is only one of embryology. He writes that, "It is neither principally descriptive nor experimental; cellular nor molecular." And this breadth of view makes it quite interesting reading for all biologists.

The chapter headings are quite descriptive: interacting systems, interactions of egg and sperm, cleavage and gastrulation, tissue interactions, interactions of nucleus and cytoplasm, molecular basis of gene expression, products of gene expression, beyond the ribosome, cell and tissue interactions, humoral regulation, endocrine and nervous coordination, and immunities. As one reads through this progression of intricacies, the truth of the author's observations that developmental biology is a study of one problem which leads to others is obvious.

The illustrations are superb, and the bibliographies are carefully chosen.

Developmental biology is one of those subsections of biology which defies inclusion in the ordinary divisions of a biology text. This book should help erase some of our well defined divisions and intrigue the teacher and text author to look anew at how one slices the corpus of biology for teaching purposes.

THE CELL, AN ATLAS OF FINE STRUCTURE, Don W. Fawcett, 488 pp., \$11.00, Saunders, New York, 1965.

This book is a well-chosen collection of remarkable electron micrographs compiled by Don W. Fawcett, Professor of Anatomy at Harvard Medical School. The micrographs are of excellent quality not only for their scientific value in the meaningful details of fine structure they present but also in the general aesthetic

satisfaction they offer. The micrographs include not only those from Professor Fawcett's own work but also those supplied by many other leading electron microscopists who have mastered the technical difficulties of this field.

The presentation of the 240 micrographs on the cell is subdivided into three main categories on cell organelles, cell inclusions, and cell surface. The main headings are further subdivided to include micrographs which emphasize different structures and specializations of the cell. As pointed out by the author in the preface, the chief value of this book is in the illustrations which are to be carefully studied by students in place of the actual specimen. The brief text accompanying the illustrations must be supplemented at least with readings from the references cited at the end of each section dealing with a particular cell topic. The references, which are for the most part of an historic and review nature, are pertinent and helpful but by no means exhaustive for any one topic.

The book can serve as an excellent guide to students wishing to learn about current interpretations of cell structures observed by the electron microscope, which has extended and clarified our knowledge of cytological detail as seen originally by the light microscope. However, the atlas is also useful to the more experienced microscopist who may wish to compare the fine structure presented with that observed in his own work. For example, the inclusion of micrographs prepared by different fixation procedures is of value to other investigators.

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THE SAVAGE CELL, Pat McGrady, 421 pp., \$8.50, Basic Books, Inc., New York, 1964.

A voluminous book packed with reports of the current knowledge of cancer organized into a readable fashion by a skilled scientific writer. It is hard to imagine what significant published report has not been used by the author in compiling this book, yet the text reads smoothly. All of these bits of information are grouped under significant major headings which constitute the chapters. There is a detailed index.

It is written for the lay reader and thus should be an appropriate item for the general school or university library. Yet nowhere does the author condescend to write down to the non-biologically informed reader.

JOURNAL OF CELL SCIENCE (formerly the *Quarterly Journal of Microscopical Science*). H. G. Callan and A. V. Grimstone, Eds. One