

However, the book is an excellent compilation of what we know today about the actual mechanics of inheritance with a great deal of emphasis on DNA and RNA. As such, it will be a fine reference book for the secondary school teacher, but will probably be far out for students. As a collegiate level book, it will make a very fine reference for the high level collegiate course, or those who are in graduate work in biology.

**GENE ACTION**, Philip E. Hartman and Suskid  
158 pp., \$4.95, Prentice-Hall, Inc., New Jersey, 1966.

Another one of the publisher's *Foundations of Modern Genetics Series* and edited by the authors of this book. In this book, close attention is given to the activities of the gene, all welded together by the DNA-RNA structure. Chapter titles are significant: Base Pairing and Gene Action, Protein Structure, Protein Synthesis, Mutant Proteins, Complementation, Secondary Consequences of Gene Mutation, Making the Messenger, Regulation on the Ribosome, The Genetic Code, and Perspectives and Horizons. It is obvious that a full background of genetics had better be under one's belt before tackling this one.

There are excellent illustrations, chapter-end questions, references, and elaborate diagrams.

**EXTRACHROMOSOMAL INHERITANCE**, John L. Jinks, 177 pp., \$4.95, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 1966.

This is another one of the series put out by the publisher called *Foundations of Modern Genetics Series*. By far, this is the most complex of all, and the purposes of the editors of the series was to bring the reader up-to-date in *modern genetics*. As a consequence, much of the material is quite complex, but it should be the type of reading biology teachers should have in a leisurely and studious way.

As the title indicates, this volume takes up one of the little known and little understood portions of modern genetics. While many biologists know about the Sonneborn discoveries with paramecia in this field, much of the knowledge gained in other areas has not been as widely disseminated among the general biologists. This volume attempts to summarize Sonneborn's achievements as well as the many other studies which have been made. The author delineates very clearly and deeply the argument about whether or not such extra chromosomal particles are viruses or not. It is a most interesting discussion.

Each chapter is ended with questions and references and while there is a full index, there is no full bibliography for the entire book.



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