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Review - Physics for the Inquiring Mind

John Nadig

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REVIEWS

The Mystery of Matter, Louise B. Young, Editor, Prepared by the American Foundation for Continuing Education, Oxford University Press, New York, 1965

The Mystery of Matter is a collection of writings of eminent scientists ranging from Bacon and Dalton to Einstein and Pauling. The articles are arranged to emphasize the relationships between literature, philosophy and social science to science. The articles (written by over 60 different scientists) are really fascinating and most excellently prepared and edited.

This book would be an excellent source for secondary science in both the basic and advanced science programs. I am sure both student and teacher would find **The Mystery of Matter** a most valuable addition to the school library—an addition which is most functional, in understanding the processes of science.

Reviewed by Verne A. Troxel
University of Iowa, Iowa City

DNA-Ladder of Life, Edward Frankel, McGraw Hill Book Company, Copyright 1964.

Dr. Frankel explains in his book how scientists have worked out the structure of the DNA molecules and are deciphering some of its coded messages. It has a good description of RNA and its relationship to DNA. Detailed drawings and diagrams make it a MUST for the Junior High and Senior High School Library. The average student can comprehend the information which is condensed into 119 pages.

by Verlin Fleagle, DeWitt

Teaching Chemistry with Models by R. T. Sanderson D. VanNostrand Co. Incorporated, Princeton, New Jersey (1962)

This book is a must for teachers who wish to use atomic, molecular, ionic crystals models in their teaching. Much of the book is devoted to the how and why of using models in a chemistry course. Considerable attention is given to model construction. The book is nicely illustrated with several black and white and color photographs.

by Bob James, Cedar Rapids

Today's Basic Science, John Gabriel Navarra, Joseph Zaffaroni, Harper & Row, Publishers, 1963, Evanston, Illinois.

For those school systems who are interested in adding more punch to their sixth grade science programs, this book should be investigated. It covers selected areas such as magnetism, light, atomic energy, and the human body with great precision and accuracy. The book is written on a sixth grade level and uses good, well-illustrated examples to make the various conceptual schemes of science come to life in the eyes of the sixth grade student. Many good experiments that can easily be performed in the classroom of an elementary school are suggested and they are of the investigation type. An excellent teachers manual is included which will help most teachers in their presentation and in their work in science. This book is just one of a K-6 program developed by these authors.

Reviewed by Gerald H. Krockover
Middle School, Bettendorf, Iowa

Physics for the Inquiring Mind, Eric Rogers (Princeton Press)

This book is very useful as a teacher reference book in the physical sciences. It is not an "all-incompassing-topic" book, but presents a sound philosophy of science, discusses central concepts, presents the real growth and controversy in science, presents the historical development of science and the important scientists of history, and develops the conversation of physical science in a logical and enjoyable way. The main body of the text is concerned with mechanics, astronomy, and atomic structure. Problems at the ends of chapters are thought-provoking "down-to-earth", and meaningful. Certain sections of the book make excellent reading for high-school students and give a much clearer idea of what science involves. The important criteria for a text are fulfilled by the book; in that it is valuable, and enjoyable to read.

by John Nadig, Davenport