

1967

New Books

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Recommended Citation

(1967) "New Books," *Iowa Science Teachers Journal*: Vol. 5 : No. 2 , Article 15.

Available at: <https://scholarworks.uni.edu/istj/vol5/iss2/15>

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SHORT REPORTS

NEW BOOKS

This review section is a compilation of selections of new materials from the various publishers. It is anticipated that this approach will continue to help science educators keep abreast of current additions in curriculum materials.

Lyons and Carnahan's current textual materials are part of the *Science and You Series*. A brief description of three of these texts follow:

Chemistry Guide and Laboratory Activities is a basic text and contains many optional advanced exercises. It includes a laboratory manual, study guide, and a testing program.

Problem Solving in Chemistry is a problems-text that is an aid to students in beginning chemistry courses. Emphasis is placed upon how mathematical calculations relate to chemical problems. It can be used with any basic chemistry text.

Matter, Life, and Energy covers four major areas and is designed for a junior high science text. It stresses concepts and applications of concepts in each of the four areas of earth, biology, physical, and space science.

Plans are being made to update Scott, Foresman's el-bi science program. *Health For All* from kindergarten through Grade 8 is one new addition to this overall program. Emphasis is placed upon conceptual development at each of the levels of instruction. As part of this program for Grades 5-8, *The Human Study: Facts on Birth, Growth, and Reproduction*, a 48-page paperback book is included,

complete with twelve charts excellent for display purposes.

Also, they are introducing a new series of paperback books the following of which are in print presently: *Cellular Continuity and Development* and *The Cellular Role of Macromolecules*. Additional texts to be ready in early 1968 are: *Nuclear Control of Cellular Activities*, *Neurobiology and Animal Behavior*, and *Macromolecular Form and Function*.

Topics selected for the books of the series reflect the current interest of biologists in molecular activities within the cells and organisms. The authors have effectively combined fundamental principles with the results of research.

The College Department of Little, Brown and Company is introducing some new science books which are composites of papers by leading research people on the topics of *Biological Membrane Structure*, *Plant Growth and Development*, *Plant Systematics*, and *Bacterial Viruses*. These books are paperbound and average 400 pages and cost approximately \$6.00 each. The nature of the information available from these selected papers would update a person's background based upon current research in the above areas.

They have also introduced a new paperbound genetics text by Dr. Herskowitz entitled, *Basic Principles of Molecular Genetics* and a second clothbound edition of *Genetics* by same author.

For a text for the beginning gen-

etics student, Dr. Herskowitz has selected a set of basic facts and principles from recent research in the area of molecular genetics and thereby one with a limited scientific background can understand and work with modern concepts of biology. The second edition of *Genetics* is an excellent reference for the classroom or library. Approximate cost is \$6.00 and \$10.00 respectively.

1967 CASMT ANNUAL CONVENTION

The 1967 annual convention of the Central Association of Science and Mathematics Teachers was held at the La Salle Hotel in Chicago during Thanksgiving vacation, November 23-25. A sizable Iowa delegation was in attendance at the La Salle, participating in many elementary, secondary, and junior college sessions.

Robert E. Yager, professor of Science Education at The University of Iowa, was elected vice-president of CASMT and Gerald H. Krockover, instructor at University Schools, was elected chairman of the Junior High Science Section.

The 1968 convention will be held in St. Louis again during Thanksgiving vacation. Plan now to attend. Membership applications are being accepted by Gerald Krockover at University Schools in Iowa City.

CHANGES AT THE SPRING MEETING?

The Academy's Program Committee recommended that the section meetings at the annual meeting be ex-

panded to include invited speakers, special symposia, and structured discussions. It is hoped by the Board that such changes can be implemented. This means that the membership must make specific suggestions known to the 1968 section chairmen. (See listing on inside of front cover.) If changes are to be made, ideas, suggestions, and statements of approval for the change in a given section should come from members of the section.

FROM THE EDITOR

If the *Iowa Science Teachers' Journal* is to serve the membership of the Academy as well as it could, more members must send articles, news items, dates for the calendar, and other material for inclusion in the issues. No one in the Academy or in the state generally is in a position that enables him to know everything that could and should be included. Lead time of two months is needed for a given issue. This means that by the time each member receives this December issue, copy for the February issue will already be at the printer's. This indicates the need for much pre-planning and occasionally the writing of a new item in past tense before it has even occurred.

We need the help of more members if the *Iowa Science Teachers' Journal* is to function properly. To date there has been much more criticism than there have been offers of assistance. All ideas for improvement, all suggestions for new sections, and all offers of items for inclusion will be carefully considered and welcomed.