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ology, preparation of counting samples, availability of radioisotope labeled compounds, including information on the operation of the different types of detectors, are well done. The third section covering some experiments adapted to student laboratory should also be of help to the teacher.

Some readers might object to the book as being elementary in some aspects. However, it is the ability of the authors to begin with the elementary and take the reader through some rather sophisticated information in an understandable fashion, which makes the book valuable to the student and the investigator.

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NON-HEME IRON PROTEINS: Role in Energy Conversion, Anthony San Pietro, Ed., 473 pp., \$12.50, The Antioch Press, Yellow Springs, Ohio, 1965.

This symposium (March 22-24, 1965) volume is divided into four sections: physical and chemical properties, photosynthesis, nitrogen fixation, and soluble and respiratory chain linked

dehydrogenases. Several participants in this symposium also participated in an informal colloquium on nitrogen fixation at the University of California's Sagehen Field Station on September 30, 1965 (*Science* 151, 1565, 1966). The work being done on the non-heme iron proteins is considerable.

The biology teacher in an undergraduate program will benefit most from the sections on photosynthesis and nitrogen fixation. Every biology teacher should be aware of ferredoxin, especially, and other non-heme iron proteins considered in this volume. The paper by Arnon on the role of ferredoxin in plant and bacterial photosynthesis would be a useful reference for courses in plant physiology and molecular biology (much of the same material may be found in *Science*, 149, 1460-1470 (1965)).

This volume would be a useful reference work for the biology teacher and the better biology student. The subtitle of the symposium indicates that most biologists will find useful information in the volume.

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