matics teacher should be aware of cause and effect relationships, should be able to identify the basic principles and concepts of his subject, and should be thoroughly familiar with the knd of thinking that is involved in the discovery and use of knowledge.

Bruner's ideas suggest that science teachers must devote more time to teaching the nature of scientific thought. Also, he suggests that science and mathematics teaching should include more truly experimental laboratory work and should emphasize the inductive approach to learning. The author strongly implies that the teaching process must be directed away from the present emphasis on short-cuts, devices, recipes, and computational skills towards a more thorough, creative, and imaginative teaching of basic principles and concepts.

Bruner's report on the Woods Hole conference is a welcome and significant contribution to the teaching of science and mathematics. As stated in the preface of this book, science education is embarking on a new era of creative development. Basic to the process is an exposition of and commitment to a clear statement of the aims and purposes of school instruction. *The Process of Education* makes a thoughtful and worthy contribution towards this end.

Charles H. Heimler and
Elmer Eason
San Fernando State College
Northridge, California

General

I Can Learn About Calculators and Computers, Raymond G. Kenyon, 112 pp., $2.95, Harper and Brothers, New York, 1961.

Written in a clear style, with large type, this book attempts to trace the history of the number system to modern calculator devices in an easy to understand way. Almost half the book is devoted to instructions for the construction of calculating devices, including the abacus and Napier's "bones." Since biology is rapidly becoming quantified, such elementary treatments will be valuable for both teacher and student.

Editor

Model Rockets for Beginners, H. H. Gilmore, 117 p., $2.50, Harper and Brothers, Publishers, New York, 1961.

There are enough diagrams to fill quite a few science fairs in this book. Written for the elementary and junior high school pupil, it is a compilation of diagrams and information concerning rockets with an eye to pupils constructing models—not working ones however.

P. K.