

Integrated Science and Mathematics

The School Science and Mathematics Association has just published a special 128-page issue dealing with integrated science and mathematics. Some of the questions addressed by articles in this publication are: How did single discipline-oriented education originate? Are there rational bases for seeking the integration of the disparate content areas founded on such factors as the nature of the universe, the nature of knowledge and the nature of learners? What are some of the historical events leading to this new "search for unity"? What are some possibilities for styles and modes of integration of knowledge? Do differing epistemologies, ways of knowing, among disciplines hinder integration of them? What is the extent and nature of unified courses of study being utilized in elementary and secondary schools both in the United States and abroad? What have evaluation studies had to say about the efficacy of unified courses of study?

Single copies of this publication are available for \$1.50 from the School Science and Mathematics Association, Indiana University of Pennsylvania, Indiana, PA 15701.

New from MCATA

- A booklet on duties of your executive is available on request
- New certificates for honors and improvement awards
- Metric missionaries have completed their assignments but are available.

NCTM 37TH YEARBOOK

Mathematics Learning in Early Childhood

NCTM 37th Yearbook, **MATHEMATICS LEARNING IN EARLY CHILDHOOD**, edited by Joseph N. Payne, is especially valuable for those who work with children, ages three to eight. It is a source of knowledge about the spectrum of ways children form mathematical concepts, and of activities that will interest children and stimulate them to think. Emphasis throughout the book is on an informal and inviting approach to learning mathematics. The book's 12 chapters range from research and curriculum information to problem-solving, experiences for young children, number and numeration, fractional numbers, and so forth. **MATHEMATICS LEARNING IN EARLY CHILDHOOD** comes in a larger format, 8-1/2 x 11", with hundreds of colorful illustrations. Over 300 pages, it costs \$13. Available through National Council of Teachers of Mathematics, 1906 Association Drive, Reston, Virginia 22091.