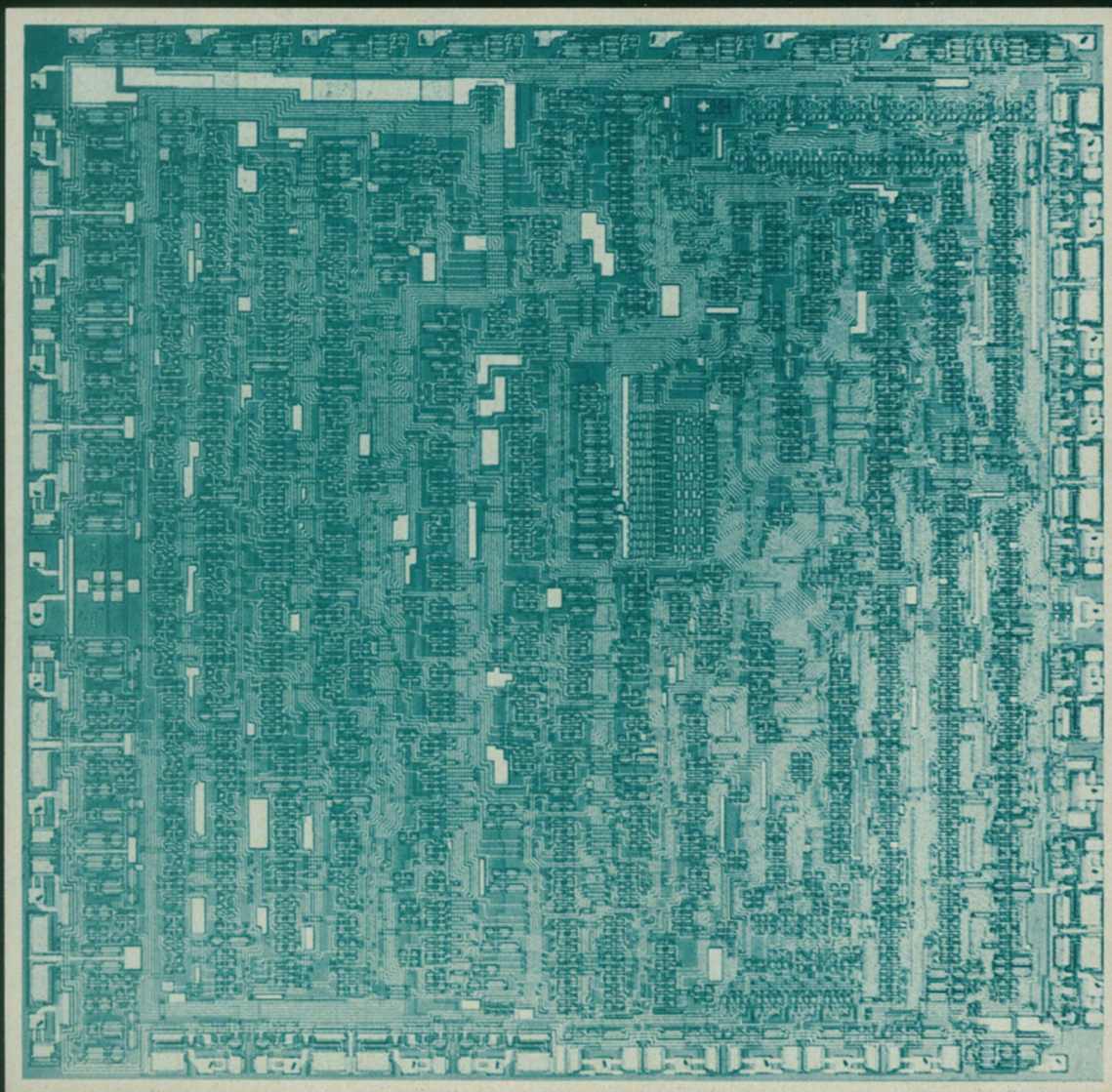


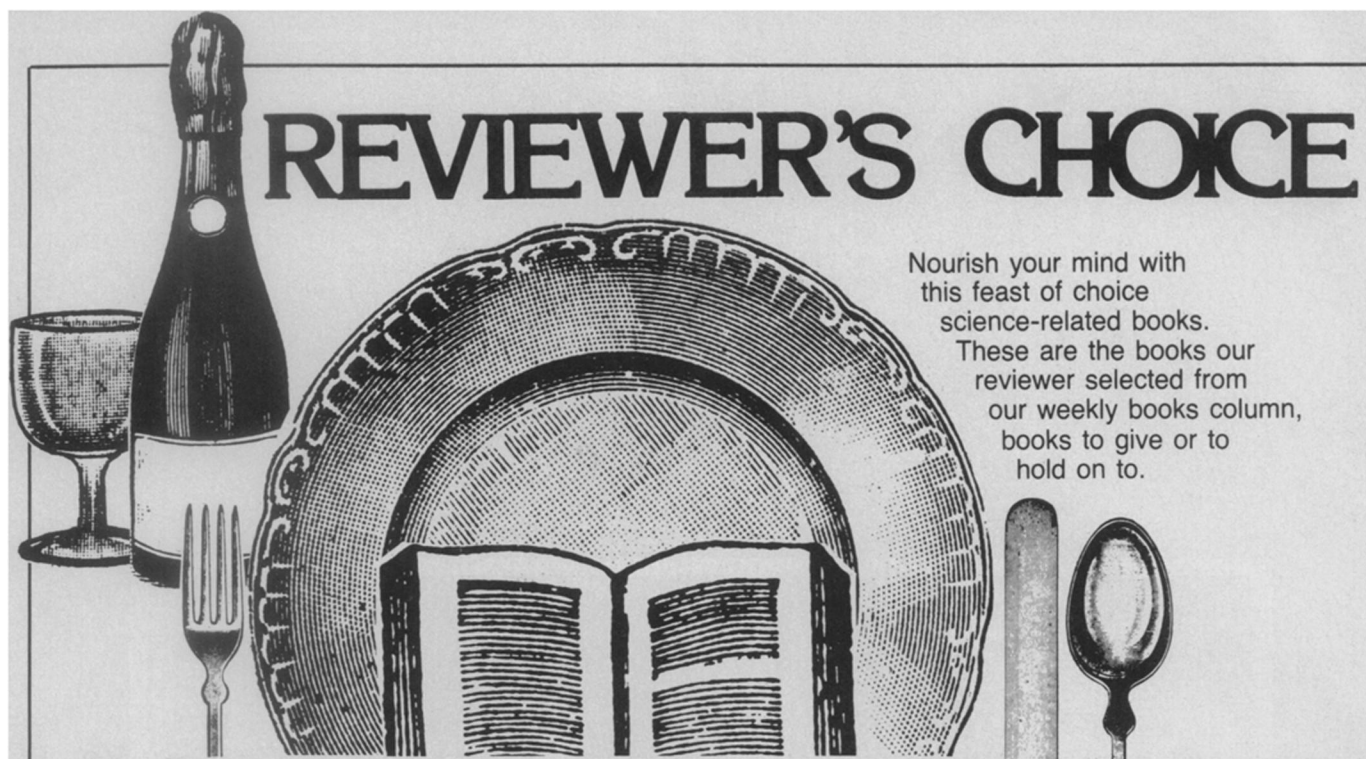
# science □ news

SEPT. 6, 1975  
VOL. 108, NO. 10, 145-160



## COMPUTER TECHNOLOGY





# REVIEWER'S CHOICE

Nourish your mind with this feast of choice science-related books. These are the books our reviewer selected from our weekly books column, books to give or to hold on to.

**AMONG THE ELEPHANTS**—Iain and Oria Douglas-Hamilton—Viking Pr. 1975, 286 p., color & b&w photographs, maps, diagrams & drawings, \$14.95. Using transistors to track the animals, and cameras to record their activities, the Douglas-Hamiltons have documented life among the elephants in parks & reserves of Tanzania. [A]

**ARCHAEOLOGICAL ATLAS OF THE WORLD**—David and Ruth Whitehouse—W H Freeman, 1975, 272 p., 103 maps by John Woodcock and Shalom Schotten, \$17; paper \$8.95. Specially drawn maps pinpoint more than 5,000 pre- and proto-historic sites accompanied by brief explanatory tests; fully indexed. For professional archaeologist, student and layman. [B]

**CREATE YOUR OWN NATURAL DYES**—Kathleen Schultz—Sterling, 1975, 96 p., 50 color and b&w photographs by W. J. White, \$5.95. Concise and clear instructions on sources, materials, procedures, and recipes. [C]

**ENERGY AND THE ENVIRONMENT**—John M. Fowler—McGraw, 1975, 510 p., drawings, maps, tables, paper, \$7.95. A practicing physicist's conscientious effort to bridge the gap between the scientific knowledge essential to providing energy for the operation of our society, and environmental issues. Uses the energy-environment theme to show the importance of quantitative reasoning, of estimation and modeling. [D]

**EVERYMAN'S GUIDE TO DRUGS AND MEDICINES**—Larry Massett and Earl W. Sutherland, III, M.D.—Luce, 1975, 262 p., \$9.95. Arranged according to the major systems of the body which medicines affect (cardiovascular, digestive and so on), each chapter first explains how the particular system works, then lists prescribed drugs and tells how they work and what they are used for. Indexed by brand-names, generic drugs and ailments. [E]

**THE FANTASTIC WORLD OF ANTS: A Microview of Earth's Most Ingenious Insect**—Herbert Molloy Mason, Jr.—McKay, 120 p., photographs, illus. by Rigmor Mason, \$5.95. Describes the social behavior and characteristics of some of the more than 8,000 kinds of ants that populate the earth. [F]

**GEMS AND MINERALS OF AMERICA: A Guide to Rock Collecting**—Jay Ellis Ransom—HarRow, 1975, 728 p., color plates, b&w photographs, drawings, tables, \$17.50. Thorough introduction for the amateur collector and lapidarist, with complete range guide giving precise locations of some 8,500 productive gem sites in the United States. [G]

**GLOSSARY OF MOLECULAR BIOLOGY**—A. Evans—Halsted Pr, 1975, 60 p., \$6.95. Comprehensive and concise, defines relevant terms from *Acceptor RNA* to *Zimm plot*. [H]

**A HISTORY OF AMERICAN ARCHAEOLOGY**—Gordon R. Willey and Jeremy A. Sabloff—Scribner, 1975, 252 p., photographs, line drawings, \$9.95. This history of archaeology provides an introduction to the Pre-Columbian cultures of the Mayas, Incas and Aztecs, as well as the Navajo, Hopi and other North American Indians. [I]

**THE LANGUAGES OF THE WORLD**—Kenneth Katzner—Funk & W, 1975, 374 p., \$11.95. Survey of the language families of 500 of the world's living languages, with more than 200 passages from the literature shown in native script with English translations. [J]

**THE MOUNTAIN WORLD**—David F. Costello—T Y Crowell, 1975, 305 p., 86 photographs by author, \$7.95. The geology and ecology of America's mountains, from the gentle Berks of the East to the high Sierras of the West. [K]

**THE NEW COLUMBIA ENCYCLOPEDIA**—William H. Harris and Judith S. Levey, Eds.—Columbia U Pr (Lippincott), 1975, 3,072 p., drawings, maps, \$79.50; \$69.50 till 12/31/75. Fully revised and up-to-date, compact and authentic information. More than 50,000 alphabetically arranged articles cover humanities, geography, physical science, life science, the social sciences, ideas, description of places and things, biographies. [L]

**OUTGROWING SELF-DECEPTION**—Gardner Murphy with Morton Leeds—Basic Bks, 1975, 190 p., \$8.95. About the fine art of self-deception, the role of voluntary muscles, varieties of disciplines, and some men's lifetime search for the examined life. [M]

**THE SARGASSO SEA**—John and Mildred Teal—Atlantic-Little, 1975, 247 p., drawings by Leslie Morrill, \$10. Scientific narrative gives factual account of life in, above, around and beneath the sea, the daily vertical migration, predatory life, and life on desert sea floor. [N]

**SCIENCE PAST, SCIENCE FUTURE**—Isaac Asimov—Doubleday, 1975, 362 p., \$8.95. Essays on technology, the physical and the life sciences, an essay on the author's writing methods, and on such enticing topics as communication by molecule, the stages of fusion, if I were to design a woman. [O]

**SURTSEY**—Sturla Fridriksson—Halsted Pr, 1975, 208 p., color and b&w photographs, diagrams, tables, \$14.95. The scientific story of the evolution of life on a volcanic island. Describes the submarine eruption, the formation of the new island; the gradual colonization of simple eco-systems, making Surtsey a unique biological laboratory. [P]

**THE WORLD OF THE PAST, Vols. 1 and 2**—Jacquetta Hawkes, Ed.—S&S, 1975, 612 p., 719 p., plates, maps, paper, \$11.90. Anthology with editor's introductions, presents the history of archaeology in the words of the original discoverers. [Q]

## SCIENCE NEWS CHOICE BOOKS

1719 N Street, NW, Dept. RC-1  
Washington, D.C. 20036

Please send me the books circled below. Enclosed is check to cover retail price plus 25¢ handling charge per book.

A B C D E F G H I J K L M N O P Q

(PLEASE PRINT)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Prices subject to change

If this selection has stimulated your appetite for more good reading in science, we can help. All the books listed in our columns and any books in print (except nonscience paperbacks) are available through our book service. Want several books of different publishers? One letter to us will fetch the lot.