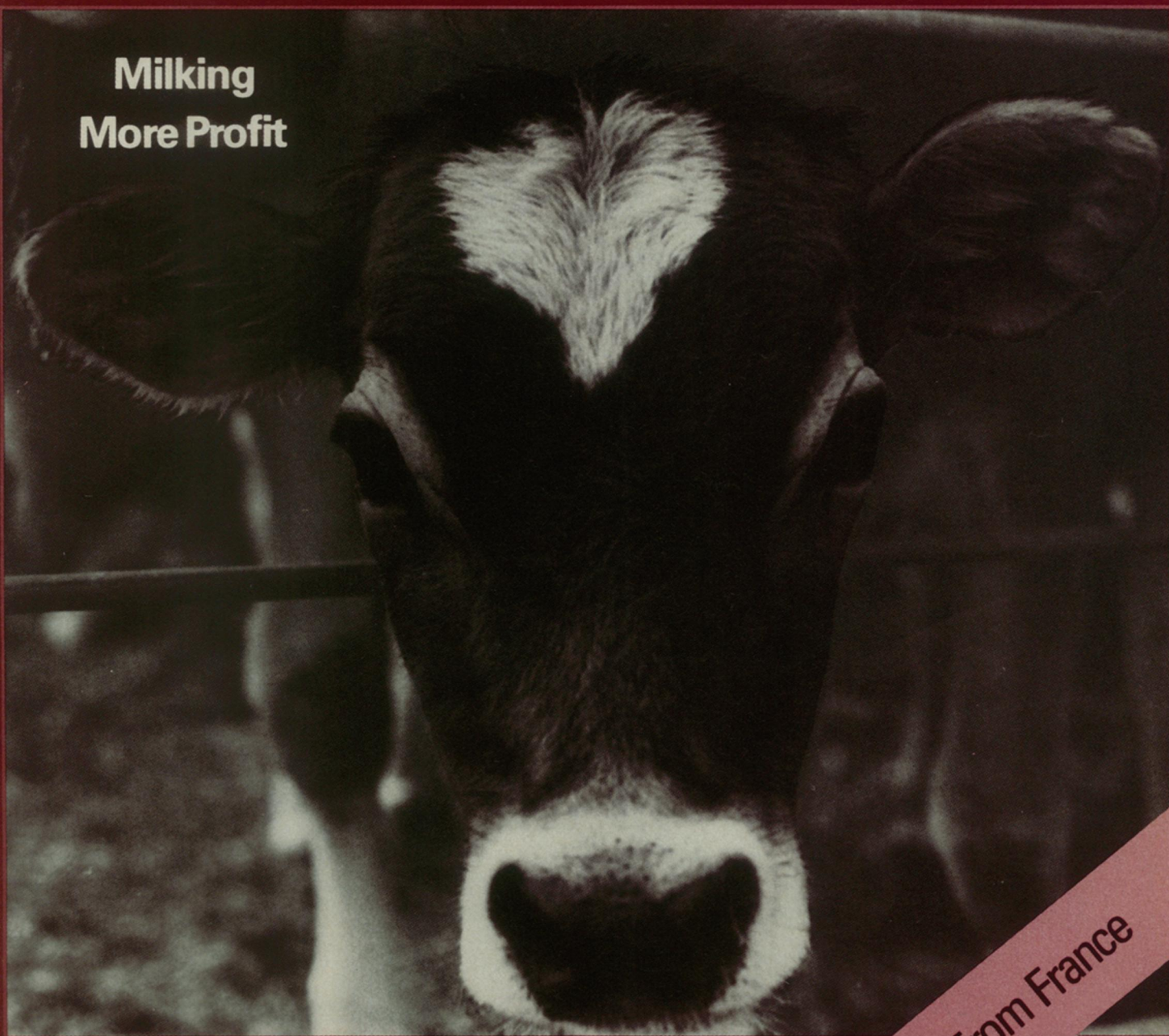


The Weekly Newsmagazine of Science

# SCIENCE NEWS

May 5, 1984  
Vol. 125, No. 18  
Pages 273-288

**Milking  
More Profit**



**AIDS Report From France**

# Use this easy way to shop for books that matter.

**A FIELD GUIDE TO MUSHROOMS AND THEIR RELATIVES**—Booth Courtenay and Harold F. Burdsall, Jr. Now you can identify the 350 most frequently found species of mushrooms and related fungi. This handy all-color field guide describes mushroom from such groups as rusts, puffballs, jelly fungi, toothed fungi, thelephores, and club fungi. Individual species are defined by size, spore color, edibility, and other trait categories. 176 pp., 6 x 9, over 400 color photographs, 525 black-and-white illustrations, \$18.95  
**To order, circle "A" on Reader Service Card**

**BIRDS AT A GLANCE: A Guide to the Eastern Land Birds from South Carolina West to the Rocky Mountains and North to the Arctic**—Lou Blachly and Randolph Jenks with Sheridan Oman. Recognize Eastern land birds instantly! This compact sourcebook provides detailed descriptions and illustrations of hundreds of sparrows, finches, thrushes, and other birds. A listing of their scientific names is included. 352 pp., 5 x 8, illus., \$12.95 paper  
**To order, circle "B" on Reader Service Card**

**PRACTICAL SOLAR HOT WATER**—Kevin McCartney. Save money by turning to this do-it-yourself guide for installing an economical solar water heating system in your house. *Practical Solar Hot Water* shows you how to use new plumbing materials and techniques that make installation quick and easy. It helps you choose the most appropriate construction methods and design for your system. 209 pp., 5½ x 8½, illus., \$8.95 paper  
**To order, circle "C" on Reader Service Card**

**A POPULAR GUIDE TO MEDICAL LANGUAGE**—Edward E. Brace. Ask your physician questions with confidence. This helpful guide defines in everyday language over 1,000 medical terms, including diagnostic tests, illnesses, and treatments. "Highly recommended."—*Library Journal* "Intended to make the reader a more informed patient."—*Booklist* 416 pp., 6 x 9, \$18.95  
**To order, circle "D" on Reader Service Card**

**THE MATHEMATICS LIBRARY FOR THE PRACTICAL WORKER, 4th Edition**—J.E. Thompson. Five-volume set. This instructive series of math books helps you master the simpler techniques of mathematical science quickly and easily. Ranging from the basic principles of arithmetic to differential calculus, it arms you with step-by-step explanations of some of the more common and directly useful branches of mathematics. \$29.95 for the set.

**ALGEBRA FOR THE PRACTICAL WORKER** 275 pp., 6 x 9

**TRIGONOMETRY FOR THE PRACTICAL WORKER** 275 pp., 6 x 9

**ARITHMETIC FOR THE PRACTICAL WORKER** 265 pp., 6 x 9

**GEOMETRY FOR THE PRACTICAL WORKER** 259 pp., 6 x 9

**CALCULUS FOR THE PRACTICAL WORKER** 279 pp., 6 x 9

**To order, circle "E" on Reader Service Card**

## 15-DAY FREE EXAMINATION

Circle appropriate letters on Reader Service Card to receive your 15-day FREE examination copies of any books on these two pages. At the end of that time, if you are satisfied, send your remittance (including postage, handling, and sales tax.) Otherwise, return the books and owe nothing. (Offer good in U.S.A. only and subject to credit department approval. Payment must accompany orders with P.O. Box addresses. Prices subject to change.)

## All Books Published By



## Van Nostrand Reinhold



**THE GIANT PANDA**—The Institute of Zoology of the Chinese Academy of Sciences and Beijing Zoo, People's Republic of China. A bounty of photographs—over 150 in stunning color—along with vivid captions illustrate the ecology, growth, and survival activities of the giant panda. Recounts panda feeding and reproduction activities, the growth of cubs and how they are cared for, and much more. The photos are among the few available of the panda in its own habitat. 180 pp., illus., 9 x 12, \$29.95

**To order, circle "F" on Reader Service Card**

**RECOVERY AND REFINING OF PRECIOUS METALS**—C.W. Ammen. Now you can perform extractive metallurgy and refining processes without spending a lot on equipment. C.W. Ammen demonstrates how to recover, test, extract, and refine precious metals—from primary or secondary sources. He examines recovery methods for black sands, scrap jewelry, old film, electronic scrap, and much more. 400 pp., 6 x 9, illus., \$24.95 paper

**To order, circle "G" on Reader Service Card**

**VNR Pocket Atlas**—Jiří Novotný with Marie Pánková. Turn here for quick information on all areas of our planet. Included are 80 specially drawn physical and political color maps covering over 200 countries, plus an index of over 10,000 place names. You're provided lists of the world's longest rivers, largest islands, highest waterfalls, and much more. 233 pp., 4¾ x 6½, illus., \$8.95 paper  
**To order, circle "H" on Reader Service Card**

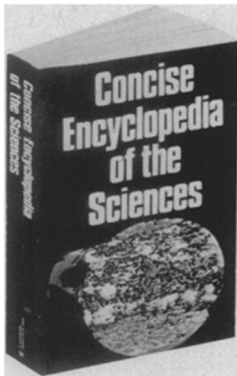
**RIVERS OF THE WORLD**—Eberhard Czaya. Discover the wonder of the world's mightiest waterways as well as its smallest streams. Filled with scores of illustrations, charts, and graphs, this extensive reference source examines cataclysmic geological events that affect river development, as well as erosion and ways to harness rivers for power and crops. The Mississippi, Nile, Volga, and Elbe are some of the great rivers explored. 258 pp., 6½ x 9½, illus., \$14.95  
**To order, circle "I" on Reader Service Card**

**ANIMAL ARCHITECTURE**—Karl von Frisch. Explains how life forms ranging from protozoans to the great apes erect structures for their own spatial needs and particular habitats. Nobel Laureate Karl von Frisch explores the marvels of instinct and inventiveness among insects, birds, and mammals. Hundreds of photos and line drawings reveal superior animal-world building and design skills. "One of the acknowledged greats."—*Choice*. 320 pp., 6¼ x 9¼, illus., \$9.95 paper  
**To order, circle "J" on Reader Service Card**

**CONQUER STRESS WITH GRETE WAITZ**—Grete Waitz, Sigmund Strømme, and Willi S. Railo. Don't let stress block the route to maximum performance! Four-time New York Marathon champion Grete Waitz reveals her program for overcoming the debilitating effects of this common source of defeat. Step-by-step training techniques and exercises show how to reduce stress as well as keep fit. Proven auto-suggestive verbal exercises help you control stress as it occurs in everyday life. 136 pp., 8¼ x 9¼, illus., \$17.95  
**To order, circle "K" on Reader Service Card**

**UNDER THE MICROSCOPE**—Alan Curry, Robin F. Grayson, and Geoffrey R. Hosey. Explore the fascinating world of microscopy at minimum costs! The authors explain how to choose and use a microscope, collect and mount specimens, take pictures of specimens, and use electron microscopes, as well as how to build a home-made microscope. They also describe microscopy techniques that turn beginners into experts. 160 pp., 6 x 8¾, illus., \$13.95  
**To order, circle "L" on Reader Service Card**

**A GUIDE TO PROGRAMMING THE COMMODORE COMPUTERS**—Bruce Presley. Best-selling computer author Presley demonstrates how to program Commodore computers in BASIC. He provides step-by-step instructions on computer game programming, graphics, files, and the disk operating system. Equipped with this handy guide you can structure programs that are correct and easy to read. 300 pp., 8½ x 11, illus., \$14.95 paper  
A Lawrenceville Press Book  
**To order, circle "M" on Reader Service Card**



**CONCISE ENCYCLOPEDIA OF THE SCIENCES** — John-David Yule. Explores over 5,000 subjects including geology, geophysics, mathematics, medicine, biochemistry, physics, psychology, anthropology, astronomy, and more. Five hundred color photographs and diagrams illustrate the inner workings of familiar machines and practical applications to scientific theory. You'll find special visual-history panels that review the development of key sciences, plus over 1,000 capsule biographies of such figures as Einstein, Galileo, Pasteur, Freud, and many modern Nobel prize winners. 590 pp., 6 1/4 x 9 1/4, illus., \$17.95 paper  
**To order, circle "N" on Reader Service Card**

**A GUIDE TO PROGRAMMING IN BASIC PLUS: Fourth Edition**—Bruce Presley. Gain valuable advice on how to write easy-to-read programs for Digital Equipment Corporation computers that run BASIC-PLUS. This thoroughly revised edition of the best-selling guide provides an easy-access format that enables you to locate single definitions and commands rapidly. It covers such key areas as computer game programming, mathematics, files, recursion, searching, and sorting. Practical review exercises help you better understand new concepts. 324 pp., 8 1/2 x 11, \$14.95 paper  
*A Lawrenceville Press Book*  
**To order, circle "O" on Reader Service Card**

**A GUIDE TO PROGRAMMING IBM PERSONAL COMPUTER** — Bruce Presley. Run the latest programs on IBM personal computers! This innovative manual covers everything from the fundamentals of programming to decisions and loops, nested loops, mathematical functions, and data searches. It tells you exactly how to start, save, recall, store, and edit programs. Clear instructions give you expert savvy in mathematics, graphics, business applications, and using the disk operating system. 304 pp., 8 1/2 x 11, \$16.95 paper  
**To order, circle "P" on Reader Service Card**

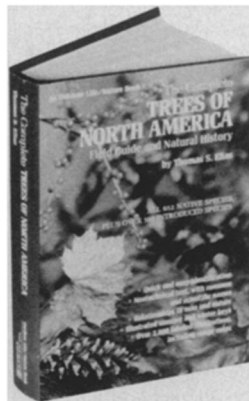
**HANDBOOK OF APPLIED MATHEMATICS: Selected Results and Methods, Second Edition**—Edited by Carl E. Pearson. Fully revised and updated, this classic reference source explains mathematical procedures and applications for a wide variety of problems in science and engineering. Twenty eminent applied mathematicians cover vector analysis, tensors, functions of complex variables, and much more. 1,304 pp., 6 x 9, \$67.50  
**To order, circle "Q" on Reader Service Card**

**THE COMPLETE BOOK OF CHISANBOP: Original Finger Calculation Method**—Hang Young Pai. *Chisanbop* literally converts your fingers into a calculator that performs with extraordinary speed and accuracy. You'll find out the latest methods developed by Hang Young Pai for learning and teaching this revolutionary system for all four mathematical operations—addition, multiplication, subtraction, and division. Includes hundreds of diagrams that demonstrate all finger manipulations, plus sample programs. 340 pp., illus. 7 3/8 x 9 1/4, \$18.95  
**To order, circle "R" on Reader Service Card**

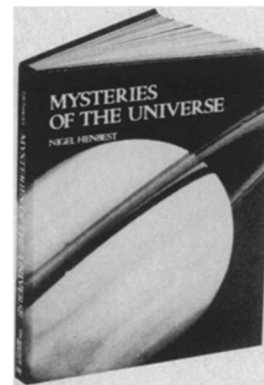
**FRESHWATER FISHERMAN'S COMPANION**—Paul Baumann, James Jaeger, and Kandis Elliot. Now you can savor your fishing outings even more by taking along this delightful 'companion.' This handy source of information is three invaluable books in one—a field guide to many freshwater species... a book of angling techniques with helpful tips on line, lure, and bait... and a first-rate cookbook providing over 180 delicious recipes. 224 pp., 8 1/2 x 11, illus., \$24.95  
**To order, circle "S" on Reader Service Card**

**A PICTORIAL GUIDE TO FOSSILS**—Gerard Ramon Case. From extinct to extant life forms, this visually-oriented handbook offers a total of 1,500 illustrations of virtually every type of fossil flora and fauna—from one-celled organisms to the highest order of mammals. "A must in every collector's library."—*Fossils Quarterly* 432 pp., 8 1/2 x 11, \$29.95  
**To order, circle "T" on Reader Service Card**

**HOME RETROFITTING FOR ENERGY SAVINGS: An Illustrated Guide**—Paul A. Knight. Clear instructions and over 300 illustrations show you how to retrofit any home. You'll gain practical guidance on the five basic retrofit areas—window, door, insulation, hole and crack, and mechanical. The author covers necessary materials, job preparations, and installation procedures. 384 pp., 8 1/2 x 11, illus., \$11.95 paper  
**To order, circle "U" on Reader Service Card**



**COMPLETE TREES OF NORTH AMERICA**—Thomas S. Elias. Here are clear identifications of 900 North American trees, including all native trees north of Mexico and the common introduced trees. Over 2,000 illustrations. "Elias has put his vast amount of knowledge to good use." — *Booklist* "Easy-to-locate format." — *Publisher's Weekly* 948 pp., illus., 5 1/4 x 8 1/2, \$22.95  
**To order, circle "V" on Reader Service Card**



**MYSTERIES OF THE UNIVERSE**—Nigel Henbest. Spans everything from the birth of the planets and cosmic catastrophes to galactic islands and quasars. Key areas of coverage include intriguing regularities in orbit, various theories of planet formation, and new research data on satellite systems. Also investigates the broad range of star types, theories of life in space, pulsars, black holes, and more. 184 pp., illus., 8 1/2 x 11 1/4, \$24.95  
**To order, circle "W" on Reader Service Card**

**THE TIMES ATLAS OF THE OCEANS**—Edited by Alastair Couper. Combines the authority of the world's leading maritime experts with superb design and cartographic skills. This bounty of illustrations and data provides you with all the information you need on the ocean environment, resources, trade, law, fishing, shipping, navigation, naval strategy, and much more. "An invaluable working tool for all involved in marine matters."—*Jacques Cousteau*. 272 pp., 10 1/2 x 14 1/4, illus., \$89.95  
**To order, circle "X" on Reader Service Card**

**SCIENTIFIC ILLUSTRATION: A Guide to Biological, Zoological, and Medical Rendering Techniques, Design, Printing, and Display**—Phyllis Wood. Step-by-step rendering techniques that help you present scientific material in a creative, accurate manner. Emphasis is made on the final form in which the art will be used—whether it be for print, projection, or display. "A spring of excitement and stimulation." — *Bioscience* 144 pp., 8 1/2 x 11, illus., \$12.95 paper  
**To order, circle "Y" on Reader Service Card**

**OVER FIFTY-FIVE, HEALTHY & ALIVE: A Health Resource for the Coming of Age**—Edited by Hank Pizer. Gain solid advice on how to make the most of your later years. *Over Fifty-Five, Healthy and Alive* explores the changes that accompany aging and explains how these changes affect life-style, health, family, sexuality, and self-image. "A wealth of medical information."—*Library Journal* 224 pp., 8 1/2 x 11, illus., \$24.95  
**To order, circle "Z" on Reader Service Card**

---

**To order any of these books circle appropriate letter on Reader Service Card.**

---