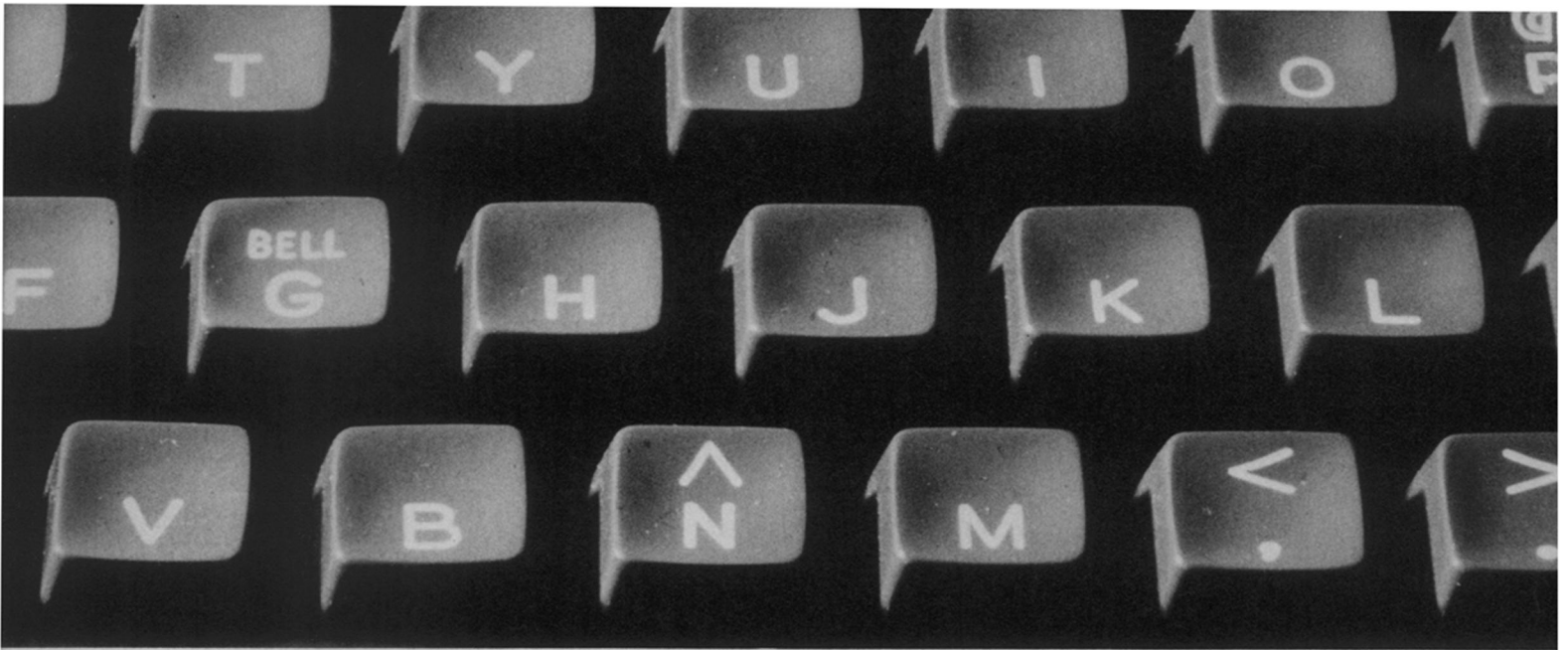


# SCIENCE NEWS

MAY 5, 1979  
VOL. 115, NO. 18

## SCOLIOSIS



# Using a computer is easy... for onComputing readers.

**Read onComputing to find out . . .**

- **What a micro-computer can do**
- **How to get started**
- **What's new in personal computers**
- **Where to buy your computer**
- **How to use your computer**

The editors of **onComputing** realize that much of the material written about computers is not at all suited to the person who just wants to use a computer as a tool for business, education, home entertainment, laboratory work, or other applications. **onComputing** is dedicated to helping the computer user understand the capabilities of a microcomputer—in non-technical language.

**onComputing** is entertaining and informative. It contains practical articles on how to get started, including what you'll need for your application and what it will cost. It features book reviews, product reviews, information on what's

new in personal computers, where to buy a personal computer, and—how to use it.

**onComputing** is a totally new publication. It is issued quarterly and contains articles from some of the best known names as well as from competent amateurs. It is edited and produced under the guidance of an experienced staff of computer experts. The articles in **onComputing** have never appeared in any other publication. They are all fresh, informative, and valuable reading for anyone interested in using a computer—for fun or profit!

**onComputing™**  
GUIDE TO PERSONAL COMPUTING

Start your subscription today.

EVERY THREE MONTHS **onComputing** will bring the latest developments in the field of personal computing: use, applications, books, selection—all in an easy-to-read style.

© onComputing, Inc. 1979

**onComputing** Subscription Department, P.O. Box 307, Martinsville, NJ 08836

CHARTER subscription rate in effect during introductory period (April–May 31, 1979)

U.S. 1 yr. (4 issues) @ \$7.50     Canada & Mexico 1 yr. (4 issues) @ \$9.00

REGULAR subscription rate applies to all subscription cards postmarked after May 31, 1979

U.S. 1 yr. (4 issues) @ \$8.50     Canada & Mexico 1 yr. (4 issues) @ \$10.00

FOREIGN (to expedite service, please remit in U.S. funds drawn on a U.S. bank.)

Europe (and all other countries, except above) 1 yr. @ \$12.00—surface delivery

Bill VISA     Bill Master Charge     Bill me (North America only)

Charge Card Number \_\_\_\_\_ Expiration \_\_\_\_\_

Signature \_\_\_\_\_ Name (Please print) \_\_\_\_\_

Street/Apartment Number \_\_\_\_\_

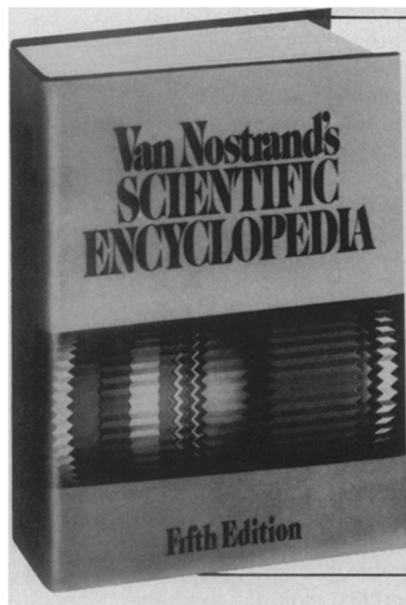
City \_\_\_\_\_ State/Province/Country \_\_\_\_\_ Postal Code \_\_\_\_\_

7259

As your introduction to

# The Library of Science

Choose either



this \$67.50 Classic  
for only \$3.95  
A saving of 94%

**VAN NOSTRAND'S SCIENTIFIC ENCYCLOPEDIA.**  
*Edited by Douglas M. Considine.* Nearly 200 experts have contributed to this thoroughly revised and greatly expanded fifth edition of the most authoritative single-volume source of scientific knowledge ever assembled. Enormous 9½" × 12" volume contains 2.2 million words, 2382 pages, 2500 photographs, drawings and charts; and 500 tables. 7200 articles cover everything from the earth and space sciences to energy technology, from the life sciences to mathematics, from information sciences to physics and chemistry. "... an amazing book... for both the general and scientific reader." —*The New York Times*

**OR**

**any other 3 books for only \$3.95 (values to \$75.00)**

if you will join now for a trial period and agree to take 3 more books—at handsome discounts—over the next 12 months.

**61623. MCGRAW-HILL DICTIONARY OF PHYSICS AND MATHEMATICS.** \$22.50

**36395. BLACK HOLES, QUASARS AND THE UNIVERSE.** *Henry L. Shipman.* \$15.50

**54995. THE ILLUSTRATED ENCYCLOPEDIA OF ARCHAEOLOGY.** *Glyn Daniel.* \$17.95

**55000. THE ILLUSTRATED ENCYCLOPEDIA OF ASTRONOMY AND SPACE.** \$16.95

**40167-2. THE CONDENSED CHEMICAL DICTIONARY.** 18,000 entries. *Counts as 2 of your 3 books.* \$32.50

**52292. A HANDBOOK OF NUMERICAL AND STATISTICAL TECHNIQUES.** *J.H. Pollard.* \$24.95

**64145-2. A NEW DICTIONARY OF PHYSICS.** *Counts as 2 of your 3 books.* \$35.00

**39746-2. COMPANION TO CONCRETE MATHEMATICS, VOLUMES I AND II.** *Z.A. Melzak.* Mathematical techniques and various applications. *The set counts as 2 of your 3 books.* \$46.45

**50010. FUTURES RESEARCH.** Professional insights by 23 prominent researchers in such areas as general systems research, mathematical modeling and the future of culture. \$22.50

**74771. MESSAGES FROM THE STARS/THE RUNAWAY UNIVERSE.** Interstellar communication plus the birth and death of the cosmos from the Big Bang to titanic future holocaust. *The 2 count as one book.* \$19.95

**37347. CASTE AND ECOLOGY IN THE SOCIAL INSECTS.** *Oster and Wilson.* \$20.00

**73940. THE RESTLESS UNIVERSE.** *Henry L. Shipman.* A highly acclaimed 450-page tour of the ideas, principles, and process of modern astronomy. \$16.95

**62915. MONUMENTS OF CIVILIZATION: Ancient Cambodia.** *Mazzeo and Antonini.* Over 100 color photographs. Oversized volume. \$25.00

**46550. THE EVOLUTION OF NORTH AMERICA.** *Philip B. King.* Sweeping geological survey of our continent. \$25.00

**87610. THE WORLD ENERGY BOOK.** Up-to-date reference guide to global energy sources and the complex issues surrounding them. \$25.00

**52130. HANDBOOK FOR CHEMICAL TECHNICIANS.** *Strauss and Kaufman.* 454 pages of direct data, problems and procedures, and 138 tables of information. \$19.50

**38362-2. CLIMATIC CHANGE.** *Dr. John Gribbin.* Provides an A to Z report on the basic pieces and patterns of the earth's rich climatological puzzle. *Counts as 2 of your 3 books.* \$32.50

**70195. PRINCIPLES OF PHYSICAL GEOLOGY.** *Arthur Holmes.* Profusely illustrated. \$24.95

**34730. THE ATLAS OF EARLY MAN.** *Jacquetta Hawkes.* \$20.00

(Publishers' Prices shown)

### 4 Good Reasons to Join

**1. The Finest Books.** Of the hundreds and hundreds of books submitted to us each year, only the very finest are selected and offered. Moreover, our books are always of equal quality to publishers' editions, never economy editions.

**2. Big Savings.** In addition to getting 3 books for only \$3.95 when you join, you keep saving substantially—up to 30% and occasionally even more. (For example, your total savings as a trial member—including this introductory offer—can easily be over 50%!)

**3. Bonus Books.** Also, you will immediately become eligible to participate in our Bonus Book Plan, with savings of at least 70% off the publishers' prices on any book offered in the Club.

**4. Convenient Service.** At 3-4 week intervals (16 times per year) you will receive the Book Club News, describing the Main Selection and Alternate Selections, together with a dated reply card. In addition, up to 3 times a year, you may receive offers of special selections, always at substantial discounts. If you want the Main Selection, or the special selection, do nothing and it will be sent to you automatically. If you prefer another selection, or no book at all, simply indicate your choice on the card, and return it by the date specified. You will have at least 10 days to decide. If, because of late mail delivery of the News you should receive a book you do not want, we guarantee return postage.

**63340-2. MYSTERIES OF THE PAST.** Captivating investigation of prehistory and great riddles. Outsized. Sumptuously illustrated. *Counts as 2 of your 3 books.* \$34.95

**81840. SYNERGETICS.** *R. Buckminster Fuller.* \$25.00

### The Library of Science

2-A8C

Riverside, New Jersey 08370

Please accept my application for trial membership and send me the three volumes indicated, billing me only \$3.95. I agree to purchase at least three additional books during the first 12 months I am a member, under the membership plan described in this ad. Savings range up to 30% and occasionally even more. My membership is cancelable any time after I buy these three books. A shipping and handling charge is added to all shipments.

Check here if you want VAN NOSTRAND'S SCIENTIFIC ENCYCLOPEDIA (00470-3)

Check here if you prefer three other volumes, and indicate below by number the books you want.

--	--	--

A few expensive books (noted in book descriptions) count as more than one choice.

**No-Risk Guarantee:** If you are not satisfied—for any reason—you may return your 3 books—within 10 days and your membership will be canceled and you will owe nothing.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

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

(Offer good in Continental U.S. and Canada only. Prices slightly higher in Canada.)