SEPTEMBER 17, 1977 VOL. 112, NO. 12, 177-192

What's new in concrete math... chemistry...astronomy and quanta... cosmology...computers...physics... and the entire universe around us!

To keep in touch with everything that's happening in every scientific area that interests you, get set now for a great reading spree—

take any 3 books all for only \$3.95

Library of Science

if you will join now for a trial period and accept only 3 more



39746. COMPANION TO CONCRETE MATHEMATICS. VOLUMES I AND II. Z. A. Melzak. Mathematical techniques and various applications, with historical notes, solutions, on geometry, iteration, series and products, integrals, more. The set counts as 2 of your 3 books. **\$46.45**

55000. THE ILLUSTRATED ENCYCLOPEDIA OF ASTRONOMY AND SPACE. *Ian Roxburgh*.
Covers the full range of astronomical knowledge and space exploration. **\$16.95**

49267. FRONTIERS OF ASTROPHYSICS. Edited by Eugene Avrett. From recent solar research, to neutron stars, supernovae and intergalactic matter. \$20.00

61530. MATHEMATICS DICTIONARY. Fourth Edition. Edited by Robert C. James and Edwin F. Beckenbach. Offers clear, accurate definitions of more than 8,000 terms. \$17.95

36395. BLACK HOLES, QUASARS AND THE UNIVERSE. Henry L. Shipman. Also white dwarfs, neutron stars, supernovae, Seyfert Galaxies—and more. \$12.95

82660. TECHNOLOGY MATHEMATICS HANDBOOK. Jan J. Tuma. Instant access to concise summaries of all major definitions, formulas, graphs, tables. \$15.95

64145. A NEW DICTIONARY OF PHYSICS. H. J. Gray and Alan Isaacs. Updated reference contains hundreds of illustrations, graphs, charts and tables. Counts as 2 of your 3 books. \$35.00

34670. ASTRONOMY AND COSMOLOGY. Sir Fred Hoyle. One of the giants of modern astronomy clearly explains today's astronomy. Over 600 illustrations. **\$16.50**

34140. APPLIED ANALYTICAL MATHEMATICS FOR PHYSICAL SCIENTISTS. James T. Cushing. Deals with topics ranging from spectral analysis of linear operators to complex variables, to group theory. \$19.95

66570. AN OUTLINE OF STRUCTURAL GEOLOGY. Bruce E. Hobbs, Winthrop D. Means and Paul F. Williams. From the nature of stress and strain to the origin of folds to the latest information on plate tectonics. \$16.95

73165. QUANTUM ELECTRONICS. Amnon Yariv. Containing 70% new material, including quantum mechanics, electromagnetism, laser oscillation, nonlinear optics, and much more. \$20.95

(values to \$67.50)



00470. VAN NOSTRAND'S SCIENTIFIC ENCYCLOPEDIA. Fifth Edition. Compiled by almost 200 specialists, it is the most useful and authoritative source of scientific information available anywhere. Illustrated. Counts as 3 of your 3 books. \$67.50

73150. QUANTA, A HANDBOOK OF CON-CEPTS. P. W. Atkins. Provides qualitative explanations of atomic and molecular structure, spectroscopy and properties. \$21.00

49340. FUNDAMENTAL ASTRONOMY: Solar System and Beyond. Franklyn W. Cole. Traces our intellectual assault on the mysteries of the universe.

34665. ASTRONOMY: Fundamentals and Frontiers. Second Edition. By Robert Jastrow and Malcolm Thompson. Updated with data gathered by Apollo and Mariner probes. \$15.50.

MEMBERSHIP BENEFITS • In addition to getting three books for \$3.95 when you join, you keep saving substantially on the books you buy. • If you continue membership past the trial period, you will be eligible for our Bonus Book Plan, with savings of at least 70% off publishers' prices. • At 3-4 week intervals (15 times per year) you will receive the Book Club News, describing the coming Main Selection and Alternate Selections, together with a dated reply card. In addition, up to 4 times a year, you may receive offers of special selections, always at substantial discounts. • If you want the Main 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.



44900. ENCYCLOPEDIA OF COMPUTER SCIENCE. Edited by Anthony Ralston and Chester L. Meek. The first one-volume encyclopedia designed especially for the computer professional. Counts as 3 of your 3 books. \$60.00

65640. ON STONEHENGE. *Sir Fred Hoyle.* The mystery of the British Isles' most celebrated megalith is tackled by the world renowned astronomer. **\$9.75**

40167. THE CONDENSED CHEMICAL DICTIONARY. For 58 years the most reached-for compendium of technical data, now updated to meet today's needs. Over 18,000 entries. Counts as 2 of your 3 books. \$32.50

(Publishers' Prices shown)

The Library of Science 2-9AR Riverside, New Jersey 08075

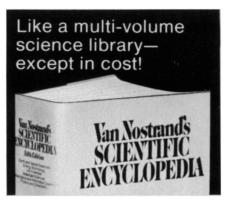
Please accept my application for membership and send me three volumes indicated, billing me only \$3.95 for all three. I agree to purchase at least three additional Selections or Alternates during the first 12 months I am a member, under the club plan described in this ad. Savings range up to 30% and occasionally even more. My membership is cancelable any

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.

3 books for \$3.95

Indicate by number the 3 books you want.				
A few ex description	spensive books ons) count as 2	s (noted in book or 3 choices.		
Name _				
Address .				
City	State	ZipZip		

(Offer good in Continental U.S. and Canada only. Prices slightly higher in Canada.) Book selections purchased for professional purposes may be a tax-deductible expense.



Examine without risk this new edition of the world's most widely used one-volume science encyclopedia.

The classic. The new Fifth Edition of Van Nostrand's Scientific Encyclopedia provides thousands of authoritative . definitions, explanations, overviews, specialized discussions-in clear

language, in just the right depth.

Fully revised. More than 80% of this edition is brand new. There are nearly 2,400 pages, more than 2.2 million words, over 2,500 illustrations.

Ideal gift. This classic, in large format, is strikingly handsome. Its reliability makes it an ideal gift for profes-

sionals, students, and laymen alike.

No-risk examination. See for yourself how this extraordinary reference is like a multi-volume science library at a fraction of the cost-only \$67.50. Mail coupon below now.

■ 2,328 pages over 2,500 photographs, drawings, diagrams, charts

- more than 2.2 million words
- 7.200 articles ■ 550 tables
- 8,000 boldface cross references

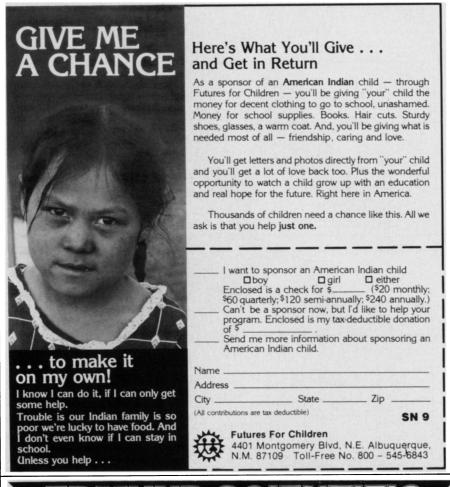
On the previous edition...

- 'A monumental -Saturday Review
- "Recommended.
- -American Ass'n for the Advancement of Science

NO-RISK EXAMINATION



AIL THIS	COUP	ON NO)W	
VAN NOS 450 West 33r Attn: Irene He	d Street, N			
Please rush Nostrand's completely days for ful	Scientific satisfied.	Encycle	opedia. If	not
	ayment: close che	ck/moi		
in three n \$67.50 pl ☐ Master (\$7.50 dej nonthly pa lus postaç	oosit—re lyments ge, hand Banl	emit balar for a tota dling, tax. c Americ	nce Il of
No.		Ex	p	
Sig.				
Name				
Address	(Please	print)		
City				
State		Zip		
Offer good department a ny order to P	pproval. Pa			npa-
21629-7				SN



CAPTURE

WASTED HEAT

No. 72,149

Save wasted heat from

your stove, furnace, or

boiler pipe. Slip the

16 heat-exchanger fins

over a metal flue pipe (no tools req.). Heat normally lost is now captured.

\$10.50 Ppd.



SAVE 50% 8 x 20 MONOCULAR Top-quality Spy Scope value, now \$16.95! Special purchase saves you 50%. 100% coated optics; 393 ft. field of view. Only 2 oz.—stores in pocket, purse, glove



SEND FOI	8 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
CATALOG	Berger and Hard St. St.

EDMUND SCIENTIFIC CO., Dept. Q-18 Edscorp Bldg., Barrington, N.J. 08007

GIANT 164 Pg. Catalog packed with over 4,000

Address

unusual bargains.

State

omniete and Mail Coupon Toda

Charge My	☐ Amer. I		BAC	☐ MC
Send r	ne:			
April 1886	_ Radio(s) (No	. 72,275	@ \$22.5	0
	Heat Fin(s) (No. 72.1	49) @ \$11	0.50
	Monocular(s			
Total .	(in			
Signature _				
Address			Partie	Probhit
City	S	tate	Zip _	