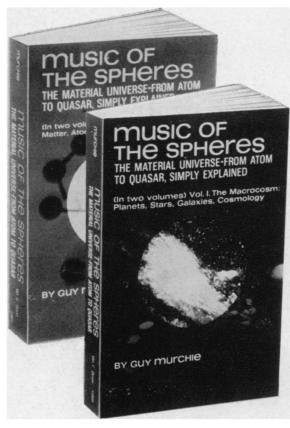
## A TWO-VOLUME LIBRARY OF SCIENCE FACTS . . . TOTALLY REVISED THROUGH 1966 DEVELOPMENTS!



# **MUSIC OF THE** SPHERES

The Material Universe-From Atom to Quasar, Simply Explained

# by Guy Murchie

2volumes \$4.00

Beginning with the solar system and reaching all the way to the dividing line between matter and non-matter, this popular account of our universe is one of the finest books explaining science that has ever been published, both an excitingly readable book and a thoroughly informative and accurate one.

Planets . . . stars . . . earth's geography . . . atoms . . . relativity, all brilliantly explained, clearly organized!

This is not a collection of readings, but a connected, carefully organized book. The first volume, The Macrocosm, deals with the planets and stars, galaxies, cosmology, the Earth's atmosphere and environment, the lunar surface, the history of space travel. Such new discoveries as the mysterious quasars, Saturn's moon Janus, the temperature of Venus' atmosphere as determined by recent fly-bys are included. Volume II, The Microcosm, moves logically into matter, atoms, wave motion, radiation and relativity, explaining mesons, space-time and antigravity as well as X-rays, Einstein's relativity, calendars and clocks, the physics of music, light and color, heat, crystals, Mendeleyev's work with the elements, etc.

#### The only background needed—a healthy curiosity!

When you've had a chance to look through these two volumes, you will understand why The Saturday Review called them "the best presentation yet offered to the intelligent general reader." while Science Magazine wrote, "A remarkable accomplishment; it is some of the best popular science writing I have encountered." This is precisely the kind of book that can expand your awareness and understanding of our scientific world.

Revised, 1967. 316 illustrations. Total of xx + 644 pp. 1809-10

Two vols., Paperbd, \$4.00

## THE WORLD OF SCIENCE, EXPLAINED IN LOW-COST DOVER BOOKS!

1283. INTRODUCTION TO ELECTRONICS, U.S. Bureau of Naval Personnel. Just the basic concepts: diodes, cathodes, electron tubes, transistors, radio, radar. Some knowledge of electricity needed. 146 ills. viii + 145 pp. 6½ x 9¾. Paperbd. \$1.00

1801. INSECTS: Their Ways & Means of Living, R. Snodgrass. Written for the general reader; rich in fascinating facts about insect life, societies, digestion, habits, etc. 186 figs. 15 plates. 362 pp. Paperbd. \$2.00

1808. PHYSICAL OPTICS, Robert Wood. Not just a classic, but a valued study for students. 17 plates, 3 in color. 462 diagrams. vviii + 846 pp. Paperbd. \$4.00

771. INTRODUCTION TO ASTROPHYSICS: The Stars, Jean Dufay. Bridges gap between elementary introductions and advanced treatises; temperature, density, stellar atmosphere, evolution of stars, etc. 51 figs. xii + 164 pp. Paperbd. \$2.00

1759. MYTHS OF THE HINDUS & BUD-DHISTS, A. K. Coomaraswamy and Sister Nivedita. Gods and heroes of the Indian people in legends drawn from their major epics. 32 plates. xiv + 400 pp. Paperbd. \$2.50

1749. THE PHYSICS OF MODERN ELECTRONICS, W. A. Gunther. Physical theory behind transistors, other modern developments. Little math needed, but not a beginner's text. 240 figs. x + 337 pp.

Paperbd. \$2.25

1708. THE ORIGIN OF CONTINENTS AND OCEANS, Alfred Wegener. Was Wegener right? Were all the continents once a single land mass that split apart? New translation. 63 ills. x + 246 pp. Paperbd. \$2.00

1551. THE PSYCHOLOGY OF THE CHESS PLAYER, Reuben Fine, M.D. Pro or con, you won't be neutral as a chess master-psychoanalyst tells why chess players are a breed apart. Formerly Psychological Observations on Chess. viii + 74 pp.

Paperbd. \$1.00

144

587. GREAT IDEAS OF MODERN MATHE-MATICS: Their Nature & Use, Jagjit Singh. High school math is all you need to grasp two-valued logic, imaginary numbers, statistics, etc. from this book. 65 figs. x + 312 pp. Paperbd. \$2.00

925. GREAT IDEAS & THEORIES OF MOD-ERN COSMOLOGY, Jagjit Singh. How was the universe created, when? Does life exist elsewhere? etc. Theories and counter-theo-ries explained for laymen. xii + 276 pp. Paperbd. \$2.00

1694. GREAT IDEAS IN INFORMATION THEORY, LANGUAGE & CYBERNETICS, Jagjit Singh. How do "thinking machines" work? How are they like human brains? How will they change our lives? Fully accessible to average math backgrounds. ix + 333 pp. Paperbd. \$2.00

196. THE NATURE OF LIGHT & COLOR IN THE OPEN AIR, M. Minnaert. Black snow, mirages, the fata morgana, halos, multiple suns, other natural phenomena explained. 202 ills. xvi + 362 pp. Paperbd. \$2.00

769. EINSTEIN'S THEORY OF RELATIV-ITY, Max Born. The finest full explanation yet published. Revised, 1962. 143 figs. viii + 376 pp. Paperbd. \$2.00

1802. PROBLEMS OF MODERN PHYSICS, H. A. Lorentz. The problems include propagation, special relativity, quantum theory, the Zeeman effect, etc. Semi-popular lectures, with a mathematical appendix for more advanced readers. viii + 312 pp.

Paperbd. \$2.25

255. A CONCISE HISTORY OF MATHE-MATICS, D. J. Struik. Egyptian and Babylonian numbers to 19th-century concepts in a history that is also a brilliant, stimulating exposition of ideas. New (1967) edition. x + 195 pp. Paperbd. \$2.00

1771. FOUR LECTURES ON SPACE & RELATIVITY, Charles P. Steinmetz. Non-technical lectures use analogy to explain Einstein's theory to non-technical people. By a founder of modern physics. 33 figs. x + 142 pp. Paperbd. \$1.35

1385. INTRODUCTION TO PHOTOGRAPHIC PRINCIPLES, L. Larmore. 15 do-them-yourself experiments help make this a valuable explanation of the physics, chemistry behind photography. 131 figs. xi + 229 pp. Paperbd. \$1.65

295. HOW TO CALCULATE QUICKLY, H. Sticker. No tricks; a tested course in awakening number sense, short cuts, increasing speed and accuracy. 265 pp.
Paperbd. \$1.00

1007. CHANCE, LUCK & STATISTICS, H. Levinson. Applications in gambling, life insurance, censuses, etc. illustrate explanations of probability and statistics. Nonmathematical. 370 pp. Paperbd. \$2.00

1348. 100 GREAT PROBLEMS OF ELE-MENTARY MATHEMATICS, H. Dorrie. How do you calculate circumference with-out pi? This and dozens of other mathemat-ical problems and how they were solved through history. Non-technical. 112 figs. x + 393 pp. Paperbd. \$2.00

656 pp.	I apoloai vaio
Dept. 585, Dover Pub 180 Varick St., New Please send me the fo	York, N.Y. 10014
I have enclosed \$_ment: only public ins ies may be billed. book to orders under handling. N.Y. City sales tax; other N.Y.	titutions and librar- Please add 15¢ per \$6, for postage and residents. add 5%
Name	
Address	
City & State	Zip
Guarantee: all Dove within 10 days for for questions asked.	

Science News / Vol. 92 / 5 August 1967