



How Do They Do It?

- *Why does a baseball curve?*
- *Should free throws in basketball be taken underhand or overhand?*
- *Is it better or worse to run in the inside lane?*

In *SportScience*, physicist and lifelong sports enthusiast Peter Brancazio reveals the scientific principles behind these and other aspects of athletic performance and their optimal conditions. Drawing upon the latest scientific research in the field of practical physics, Brancazio explains everything from the dynamics of karate to the aerodynamics of a golf ball, from the drag of a human body in the water to the science of catching a fly ball.

Whether one's main field of interest is in the major team sports — basketball, baseball, football — or in individual sports from pole-vaulting, gymnastics and diving to tennis and golf, the book is sure to prove a fascinating and enlightening reading experience.

Simon and Schuster, 1984, 400 pages, 9½" x 6¼", paperback, \$9.95

ALSO AVAILABLE

Newton at the Bat: The Science in Sports — Eric W. Schrier and William F. Allman, Eds. Thirty-five essays about science and sports selected from *SCIENCE 84* magazine, intended for those who may have wondered if a curve ball really drops just before it gets to the batter, why the golf ball has dimples and why the boomerang keeps coming back. Explores such topics as aerodynamics, physics and biomechanics and their application to various sports. The body in relationship to sports is discussed — the architecture of the knee, growing pains of young athletes and what makes muscles work. Scribner, 1984, 178 p., illus., \$14.95.

Please send _____ copy(ies) of *SportScience: Physical Laws and Optimum Performance*. I enclose a check payable to Science News Book Order Service for \$9.95 plus \$1.00 handling (total \$10.95) for each copy. Domestic orders only.



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