Mathematical Thought From Ancient to Modern Times, Vols. 1, 2, 3 By Morris Kline

Now available in a new three-volume paperback edition, Kline's monumental work, originally published in 1972, presents the major creations in mathematics from its beginnings in Babylonia and Egypt through the first few decades of the twentieth century. Organized around the central ideas of mathematical thought, as well as the men responsible for them, this comprehensive history provides a broad panorama of the development of mathematics, displaying the unity behind the disconnected branches of the discipline today.

Volume One includes chapters on classical Greek and Alexandrian mathematics, Hindu and Arabic contributions, algebra in the sixteenth and seventeenth centuries, coordinate geometry and the creation of calculus.

Volume Two focuses on the developments of calculus in the eighteenth century, the rise of analysis in the eighteenth and nineteenth centuries, Galois theory and determinants and matrices.

Volume Three treats the theory of numbers in the nineteenth century; geometry non-Euclidean and differential — and the work of Gauss, Riemann, and Hilbert; analysis after 1900; the emergency of abstract algebra and topology; foundational studies; and recent developments since Gödel's work.

— from the publisher

"A remarkably re	eadable book There
is no other boo	ok from which one can
obtain a compa	arable understanding of
	athematicsExtraor-
dinary."	American Scientist

Oxford Univ Press, 1990, 1,211 pages, 9" x 5¾", paperback, \$44.85

SetMathTh

Science News Books

1719 N Street NW Washington, DC 20036
Please send set(s) of Mathematical Thought. I include a check payable to Science News Books for \$44.85 plus \$2.00 postage and handling (total 46.85) for each set. Domestic orders only.
Name
Address
City
StateZip
Daytime Phone # ()

Let's Read and Find Out™ Science Books Simple science for ages 4-8





Digging Up Dinosaurs. How experts dig up dinosaur bones and then put them together so they can study them. RFDig Evolution. How life developed on Earth from the first simple plants and animals to the more complex ones, including humans. . RFEvol

Science News Books,	1719 N Street, NW, Wa	ashington, DC 20036
Please send me the book Science News Books for handling per order . Do	or \$4.50 per book plu	
RFDig RFEvol	RFRobots RFPlanets	RFTornado RFGerms All, \$24.00
Name		
Address		
City		
State	Zip	
Daytime Phone # (only for problems with order)	RB1257





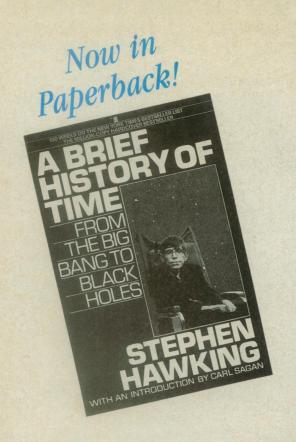
Get Ready for Robots. What robots can do and might do in the future from fighting fires to cleaning your room. RFRobots The Planets in our Solar System. Discover Pluto, Mercury, Jupiter and more. Includes latest information on the solar system. **RFPlanets**





Tornado Alert. How, where and when tornadoes occur and what to do to keep safe if one strikes. RFTornado

Germs Make Me Sick. Why some germs cause illness, and how your body fights them off to make you well again. RFGerms



"With the chapter called 'Black Holes Ain't So Black,' things begin rapidly to pick up: 'One evening . . . I started to think about black holes as I was getting into bed. My disability makes this rather a slow process, so I had plenty of time . . .' Hawking goes on to tell us about his discovery that small black holes should actually be powerful energy sources. His explanation for this represents the first successful attempt to combine theories of gravity and quantum mechanics."

- Rudy Rucker, for the Washington Post

Bantam Books, 1988, 61/4" x 91/4", 198 pages, paperback, \$9.95

Science News Books	BriefHist
1719 N Street, NW, Washington, DC 20036	
Please send mecopy(ies) of A Brief Histo include a check payable to Science News Books for \$2.00 postage and handling (total \$11.95) for each coorders only.	or \$9.95 plus
Name	
Address	
City	
StateZip	
Daytime Phone # ()	RB1253
(doed only for problems with order)	RD 127.7

Hawking gives an historical overview of cosmology from the early Greeks to modern times and makes accessible the two great theories of twentieth-century physics: Einstein's General Theory of Relativity, which encompasses the vast scale of galaxies, and quantum mechanics, which operates on the tiny scale of subatomic particles.

When these two theories, currently at odds, are successfully combined, the resulting theory will resolve all the yet-unsolved mysteries of the universe. Hawking maintains that the time is near when science succeeds in this. "If we do discover a complete theory, it should in time be understandable in broad principle by everyone, not just a few scientists. Then we shall all, philosophers, scientists, and just ordinary people, be able to take part in the discussion of why it is that we and the universe exist. If we find the answer to that, it would be the ultimate triumph of human reason — for then we would know the mind of God," he writes.

Among the questions he contemplates are: What is the nature of time? When an expanding universe collapses, will time run backward? Will we "remember" the future? Are we actually part of a universe with at least eleven dimensions? Will holes in the fabric of spacetime permit astronauts to visit other galaxies or move through time? Will the "big bang" theory be replaced by the notion of the universe as a continuum with no boundaries?

From the vantage point of the wheelchair in which he has spent more than twenty years trapped by Lou Gehrig's disease, Stephen Hawking has transformed our view of the universe. Cogently explained, passionately revealed, A Brief History of Time is the story of the ultimate quest for knowledge: the ongoing search for the tantalizing secrets at the heart of time and space.

- from the publisher

"LIVELY AND PROVOCATIVE . . . MR. HAWKING CLEARLY POSSESSES A NATURAL TEACHER'S GIFTS — EASY, GOOD-NATURED HUMOR AND AN ABILITY TO ILLUSTRATE HIGHLY COMPLEX PROPOSITIONS WITH ANALOGIES PLUCKED FROM DAILY LIFE."

- The New York Times

"ONE OF THE BEST BOOKS FOR LAYMEN ON THIS SUBJECT IN MANY YEARS."

- Christian Science Monitor