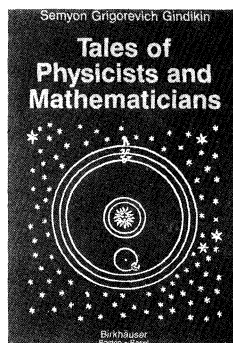


Birkhäuser Popular Science Books

A selection

New



Semyon G. Gindikin
Tales of Physicists and Mathematicians

176 pages, Hardcover
ISBN 3-7643-3317-0
sFr. 48.- / DM 58.-

The author conveys his own sense of the excitement and wonder of these discoveries, using quotes from the writings of the scientists themselves and presenting details of their work in a way that can easily be understood by students. This book will be enjoyable reading for anyone interested in the history of science.

Irving M. Klotz
Diamond Dealers and Feather Merchants

Tales from the Sciences

132 pages, Hardcover
ISBN 3-7643-3303-0
sFr. 48.- / DM 58.-

“Professor Klotz’s name is familiar to all protein chemists, and generations of science students were brought up on his celebrated textbook of chemical thermodynamics. He now reveals himself as a writer of wit, wisdom, and originality in a different genre. This admirable little book will give much pleasure.”
NATURE

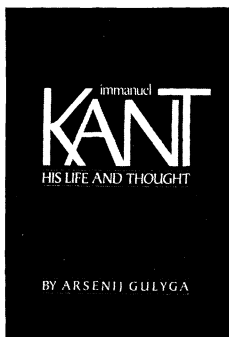


Arthur I. Miller
Frontiers of Physics 1900–1911
Selected Essays

320 pages, Hardcover
ISBN 3-7643-3203-4
sFr. 78.- / DM 98.-

“A Pro Scientia Viva Title”

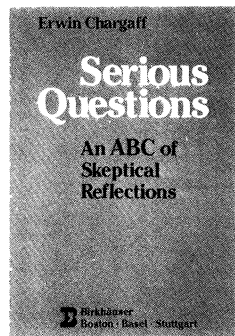
These selected essays by Arthur I. Miller explore the rich traditions in electrodynamics, electrical engineering, and mathematics on which the physicists of 1905 based their conceptions. The episodes are discussed in light of contemporary philosophical currents, thus making *Frontiers of Physics* a valuable contribution to the history of ideas.



Arsenij Gulyga
Immanuel Kant
His Life and Thought

312 pages, Hardcover
ISBN 3-7643-3195-X
sFr. 68.- / DM 78.-

In this biography of Immanuel Kant by Arsenij Gulyga, the reader discovers Kant’s inner life, the mind of a great philosopher whose ideas are wondrously alive and whose thoughts delve deeply into the human soul. To read Kant is to be well introduced to the study of philosophy.



Erwin Chargaff
Serious Questions
An ABC of Skeptical Reflections

270 pages, Hardcover
ISBN 3-7643-3337-5
sFr. 78.- / DM 98.-

«A Pro Scientia Viva Title»

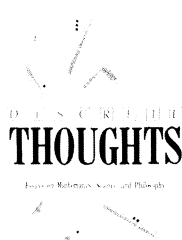
Each essay is unique. Some are witty and entertaining; others more serious and controversial. All are exciting and compelling. They bring to life the observations and thoughts of a man who has excelled for decades as a scientist and who is now hailed as “one of the wisest and most eloquent essayists now writing in English.”
LEWIS H. LAPHAM

Mark Kac
Discrete Thoughts
Essays on Mathematics, Science, and Philosophy

280 pages, Hardcover
ISBN 3-7643-3285-9
sFr. 68.- / DM 84.-

«This volume is a collection of short publications that are aimed at a nontechnical audience. They cover a variety of interesting topics: history of mathematics, artificial intelligence, application of mathematics to economics, biography of mathematicians, book reviews, philosophy of mathematics, and problems in mathematical education. The volume makes excellent light reading for mathematicians, computer scientists, and philosophers of mathematics.»

A. H. COYNE
ZENTRALBLATT F. MATHEMATIK UND
IHRE GRENZGEBIETE



B
Birkhäuser
Verlag
Basel Boston Berlin

Prices are subject to change
without notice. 12/88

Please order from your
bookseller or
Birkhäuser Verlag, P.O. Box 133,
CH-4010 Basel / Switzerland

Communications in
**Mathematical
Physics**

Chief Editor A. Jaffe, Cambridge, MA

Editorial Board M. Aizenman, New York, NY
L. Alvarez-Gaumé, Genève
H. Araki, Kyoto
A. Connes, Bures-sur-Yvette
J.-P. Eckmann, Genève
M. E. Fisher, College Park, MD
J. Fröhlich, Zürich
K. Gawedzki, Bures-sur-Yvette
J. L. Lebowitz, New Brunswick, NJ
J. Mather, Princeton, NJ
G. Parisi, Roma
B. Simon, Pasadena, CA
Ya. G. Sinai, Moscow
T. Spencer, Princeton, NJ
S.-T. Yau, Cambridge, MA

Advisory Board M. F. Atiyah, Oxford
F. Hirzebruch, Bonn
G. 't Hooft, Utrecht
R. Schrieffer, Santa Barbara, CA
I. Singer, Cambridge, MA
C. N. Yang, Stony Brook, NY

Responsible for Advertisements

Springer-Verlag
Printers
Printed in Germany

E. Lückermann, M. Stresow, Heidelberger Platz 3, D-1000 Berlin 33
Telephone: (030) 8207-1, Telex 01-85411, FAX (030) 821 4091
Berlin Heidelberg New York Tokyo
Brühlsche Universitätsdruckerei, Giessen
© Springer-Verlag Berlin Heidelberg 1989
Springer-Verlag GmbH & Co KG, D-1000 Berlin 33