



science news

SEPT. 25, 1976
VOL. 110, NO. 13, 193-208

**BRAIN PROTEINS:
POTENTIAL
FOR DRUGS**

When you buy a microscope, make sure you get enough... without paying for too much.



Don't buy on price alone. You may miss features you need. But don't buy frills and features you *don't* need or you'll pay more than you have to.

Look at our new GALEN microscope before you buy. It meets exacting Bausch & Lomb standards yet the price is surprisingly low.* The GALEN microscope is designed for work in colleges, hospitals and industrial labs. And it meets all the specifications required for a microscope used to study medicine.

We think this is the best microscope value on the market today. Ask for a demonstration.

Look into GALEN when you're looking for a microscope:

- Parfocal, coated optics.
- 4x, 10x, 40x, 100x (oil) achromatic objectives.
- Monocular, binocular, triocular models.
- In-base, variable control illuminator (30-watt).
- Ideal for brightfield, dark-field and phase contrast observations.
- Observation body rotates 360°, locks at any point.
- Precentered substage with convenient low rack-and-pinion focusing.
- Graduated mechanical stage; low, coaxial controls.
- Immediate off-the-shelf delivery.
- Bausch & Lomb guarantee, and nationwide service.

BAUSCH & LOMB
Scientific Optical Products Division
Optics Center, Dept. 6602
1400 North Goodman Street
Rochester, N.Y. 14602

*Monocular model \$746, Binocular model shown \$895.

BAUSCH & LOMB
GALEN
professional microscope

BAUSCH & LOMB
Scientific Optical Products Division
Optics Center, Dept. 6602
16009 North Goodman Street :
Rochester, N.Y. 14602

Have my B&L dealer contact me to arrange a convenient, free demonstration. Send catalog 31-2439.

Name _____

Title _____

Institution or Company _____

Street _____

City _____ State _____ Zip _____

GALEN. The scope of a more productive laboratory.

Circle No. 123 on Reader Service Card

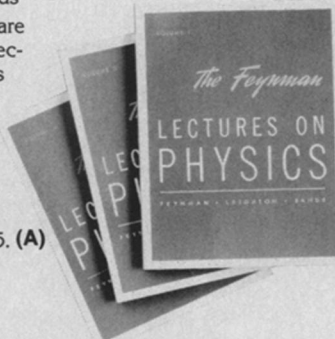


THE FEYNMAN LECTURES ON PHYSICS

R.P. Feynman, R.B. Leighton, M.L. Sands

Here, skillfully edited in three volumes are the Nobel Prize physicist's celebrated lectures as "classics," whatever your specialization, you'll find these reference books invaluable.

Vital ideas, covering every aspect of the subject, and clear explanations are among the reasons these volumes have been so widely acclaimed. \$19.95. (A)

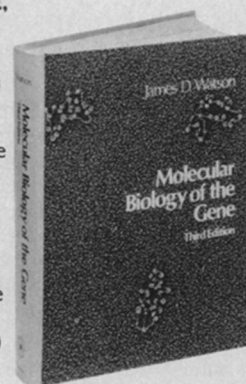


MOLECULAR BIOLOGY OF THE GENE,

Third Edition

James D. Watson

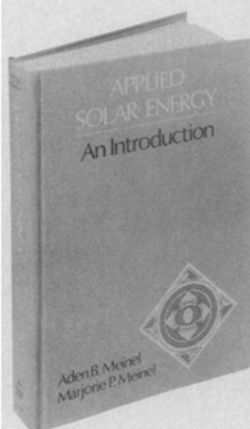
Watson, Nobel Laureate for his work with the Double Helix, offers the comprehensive foundation in biochemistry and molecular biology necessary to undertake further genetic investigations. This enthusiastic discussion, with explanatory illustrations, outlines future avenues of scientific research. Covers eucaryotic cells, cell proliferation, cell differentiation, cancer, and more. An important resource by one of the foremost names in genetic research. \$16.95. (B)



APPLIED SOLAR ENERGY: AN INTRODUCTION

Aden B. Meinel, Marjorie P. Meinel

Comprehensive coverage of all aspects of solar energy conversion. Includes solar observation instrumentation, absorbing surfaces, home solar applications, thermal storage tanks and more. The newest and most complete resource on the applications of solar energy. \$17.95 (C)



Outstanding reference books from Addison-Wesley for your professional and family library

THE REDSHIFT CONTROVERSY

George B. Field, Halton Arp, John N. Bahcall

The most fiercely debated issue in modern astronomy concerns the meaning of the observed large redshifts of quasars and galaxies: are they caused entirely by expansion of the Universe? Resulting from a debate sponsored by AAAS between Dr. Arp and Dr. Bahcall, this discussion of the evidence and reasoning supporting the controversy is suitable for astronomers and non-specialists alike. \$21.50 (D)

ELECTRONIC MEASUREMENTS FOR SCIENTISTS

Howard V. Malmstadt, Christie G. Enke, Stanley R. Crouch

Important physical and electrical principles are integrated with the reliable setup, modification and application of electronic measurement systems to help you gain a better understanding of instrumentation and adapt easily to new measurement concepts and unfamiliar equipment. \$19.95 (E)

INTRODUCTORY ASTRONOMY

Nicholas A. Pananides

Starting with the basics, this study of astronomy clearly explains the "why" of phenomena and delves into recent theories, data, and exciting discoveries of special interest to both the professional and serious amateur. \$13.50 (F)

ADVANCED CALCULUS

Second Edition Wilfred Kaplan

For either reference or self-study, you'll find the emphasis on intuitive understanding and applications to the physical sciences in this book a practical aid for on-the-job application of calculus. \$17.95 (G)

INTERMEDIATE BIOPHYSICAL MECHANICS

Wesley L. Nyborg

Relating physics to biological topics, Nyborg offers the physicist the opportunity to expand his knowledge of physical language and ideas to biology and provides the life scientist with a discussion of physical topics deliberately selected for their relevance to biology. \$14.95 (H)

CALCULUS AND ANALYTIC GEOMETRY,

Fourth Edition George B. Thomas, Jr.

A rigorous classic with a sophisticated treatment of linear algebra and vector analysis. As a review or for self-study, you will gain an appreciation for the mathematical principles supporting the recognized scientific procedures. \$17.95 (I)

ENERGY AND ENVIRONMENT: A PRIMER FOR SCIENTISTS AND ENGINEERS

Edward H. Thorndike

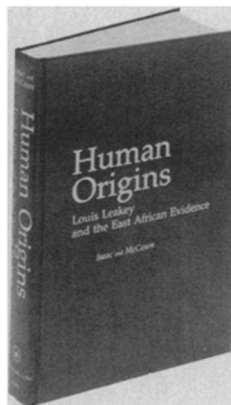
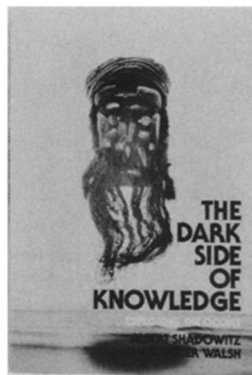
This overview of energy and environment problems compares natural and man made energy processes and discusses photosynthesis, solar energy and electricity generation. Designed for practicing specialists as well as the informed public. \$8.95 (J)



**THE DARK SIDE OF KNOWLEDGE:
EXPLORING THE OCCULT**

Albert Shadowitz, Peter Walsh

Take an intriguing and enlightening journey into the incredible world of the occult guided by two physicists who use the powers of science to examine obscure phenomena from ESP, vampires, and the I Ching to numerology, "nervous" plants, and flying saucers. The authors are frankly fascinated with what they find — and you will be too! \$9.95. (K)



**HUMAN ORIGINS: LOUIS LEAKEY AND
THE EAST AFRICAN EVIDENCE**

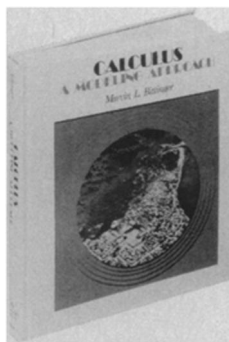
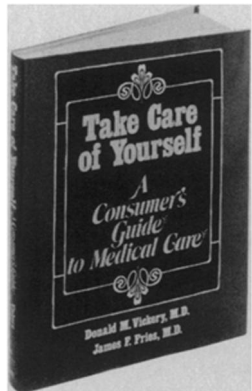
Glynn L. Isaac, Elizabeth McCown, Editors

The "finds" of Louis and Mary Leakey focused scientific attention on the search for our human origins in East Africa. This volume shows how the Leakeys' discoveries have transformed our knowledge of the course of human evolution and directed current research. \$17.95 (L)

**TAKE CARE OF YOURSELF:
A CONSUMER'S GUIDE
TO MEDICAL CARE**

Donald Vickery, M.D., James Fries, M.D.

This sensible new book gives you practical information for dealing with nearly every aspect of your family's medical care. Clear, direct, easy-to-follow charts show you exactly what action to take for 68 common illnesses and injuries. Also shows you how to tell the difference between medical problems that call for a doctor's immediate attention — and those you can treat at home just as effectively. \$9.95. (M)



CALCULUS — A MODELING APPROACH

Marvin L. Bittinger

Designed with an eye toward business, behavioral science, social science, and biology, Bittinger treats calculus from an intuitive point of view incorporating varied applications and real life examples. Applications include marginal cost, revenue, and profit, demand and depletion of natural resources, maximum sustainable harvest, forgetting, murders and robberies in the U.S., and operating cost of an automobile as a function of speed. \$13.50 (N)

Satisfy Your Need to Know

TRAVELS IN COMPUTERLAND OR, INCOMPATIBILITIES AND INTERFACES

Ben Ross Schneider, Jr.

Follow the adventures of an English professor who had no previous data processing experience as he describes how he managed to computerize the London Stage Information Bank, a huge study of the English stage and literature from 1660 to 1800. \$5.95 (O)

AN INTRODUCTION TO MODERN GENETICS Donald I. Patt, Gail R. Patt

A comprehensive "course" on molecular, developmental and population genetics as well as classical genetics. Illustrations clarifying complex concepts and experimental methods and an extensive bibliography make this a valuable reference. \$13.95. (P)

THE BIOLOGY OF CANCER Armin C. Braun

This timely work provides a conceptual framework for future investigations in this challenging and most important area of scientific endeavor. Essential biological concepts that underlie the tumorous state are explored and a critical examination is made of the premises of prevailing thought. \$11.50 (Q)

**HUMAN ENERGY: THE CRITICAL FACTOR FOR
INDIVIDUALS AND ORGANIZATIONS** John D. Ingalls

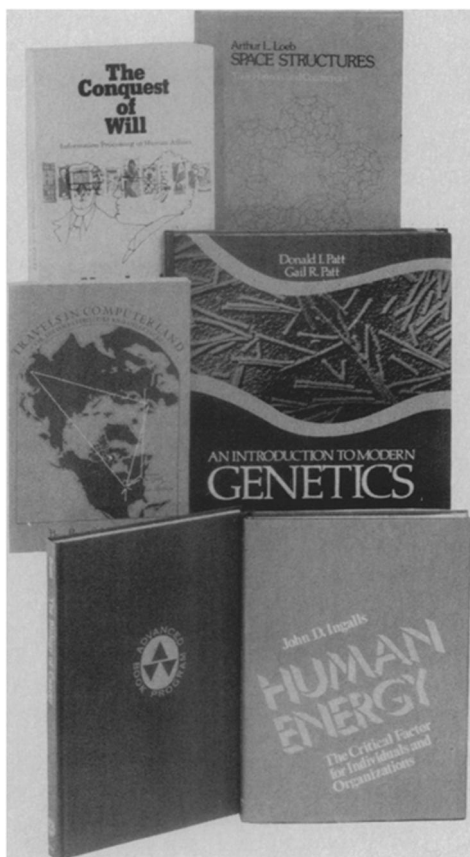
This new book digs deep into the factors affecting motivation and provides workable solutions for identifying and solving problems in organizations. It will help you make significant changes to improve productivity and profitability in any situation. \$13.95 (R)

SPACE STRUCTURES: THEIR HARMONY AND COUNTERPOINT Arthur L. Loeb

This new work presents the fundamental principles underlying a variety of structures, illustrates the family relationships and shows how they can be transformed into one another. Loeb's clear viewpoint and straightforward treatment make this volume equally valuable to biologists, artists, crystallographers, architects, sociologists and others. \$19.50 (S)

THE CONQUEST OF WILL: INFORMATION PROCESSING IN HUMAN AFFAIRS
Abbe Mowshowitz

This comprehensive new book critically examines the social impact of computer technology focusing on how modern technology has helped small groups consolidate economic and political power, and how excessive bureaucracies alienate individuals from decision making. Fascinating reading for everyone concerned about personal privacy, political ethics, education and more. \$8.95 (T)



▲ Addison-Wesley Publishing Company, Inc., Reading, Massachusetts 01867



To Order Any Of These Books:

Circle appropriate letter on Reader Service Card

FREE 15 day examination of all books. No obligation to buy.