

Tennis Science for Tennis Players

By Howard Brody

Univ. of Penn. Press, 1987, 152 pages, 6" x 9", paperback, \$ 14.95 ISBN 0-8122-1238-X

Science News Books 1719 N St., NW, Washington, DC 20036

Please send ___ _ copy(ies) of *Tennis* Science for Tennis Players. I include a check payable to Science News Books for \$14.95 plus \$1.00 handling (total \$15.95) for each copy. Domestic orders only.

Name	 	 	
Address	 	 	

Citu State_

 How does your opponent put that tricky spin on the ball?

• Why are some serves easier to return than others?

Through extensive laboratory testing and computer modeling, Brody has investigated the physics behind the shape of the tennis racket, the string pattern, the bounce of the tennis ball, the ways in which a particular court surface can determine the speed of the game and the many other factors that contribute to the game. In Tennis Science for Tennis Players, Howard Brody, physicist and tennis player, explains how the laws of physics work in the game of tennis, and gives pointers about how a player can use them to his or her advantage. — from the publisher

This book stresses the proper choice of equipment, strategy and ball trajectory because scientific analysis of these subjects gives meaningful results that can be translated into specific actions that you, the tennis player, can take advantage of and appreciate. — from the introduction

Subscriber Service

Please mail a SCIENCE NEWS address label to ensure prompt service whenever you write us about your subscription.

To: SCIENCE NEWS Subscription Office, 231 W. Center St. Marion, Ohio 43305

Change of address: If you're moving please let us know four to six weeks before changing vour address.

To subscribe, mail this form to the address

Subscription rates:

- ☐ 1 year \$34.50 ☐ 2 years \$58.00

city

(Foreign postage \$6.00 additional per year.)

name	(please print)	
address		

state zip code D227-7

Attach Label

Here

SigmaScan" measures areas, lengths coordinates, angles, slopes, and more IBM PC and Compatibles Quickly and accurately digitize, measure and analyze photomicrographs, strip charts, X-rays, maps, and more — using Save hundreds of hours annually over your own PC. manual measurement techniques. Areas, lengths, angles, and slopes Automate complex analyses. Comes ■ X,Y digitizing complete with software, choice of User-defined units digitizing tablet, money-back guarantee Standard ASCII data output and full year hardware warranty. (use in Lotus, dBase, etc.) Sigma-Scan™ software is also Keyboard macros ■ User-defined data transforms available separately. Free brochure 800-874-1888

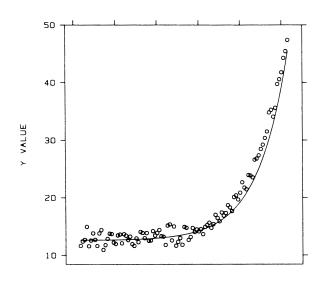
In CA **415-331-3022** FAX: 415-331-7838 / Telex: 4931977

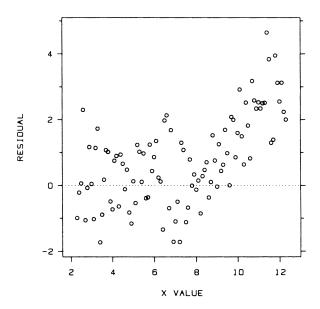
"Microcomputer Tools for the Scientist"

■ 2656 Bridgeway ■ Sausalito, CA 94965

The Elements of Graphing Data

William S. Cleveland





GRAPHIC RESIDUALS: The visual impression from the left panel is that the vertical deviations of the points from the curve are greater for small x values than for large ones. The graph of residuals in the right panel shows the opposite is true. (Data courtesy of Cleveland).

This book is about graphing data in science and technology. It contains graphic methods and principles that are powerful tools for showing the structure of data. Many of the methods and principles are new; many others are old, but not widely known. The prerequisites for understanding the book are minimal. A few topics require a knowledge of the elementary concepts of probability and statistical science, but these topics can be skipped without affecting comprehension of the remainder of the book. The material is revelant for data analysis, when the analyst wants to study data, and for data communication, when the analyst wants to communicate data to others. — from the preface

"A splendid book by Edward R. Tufte on the use of graphs appeared in 1983: The Visual Display of Quantitative Information . . . Now comes this equally useful one, which is aimed more specifically at scientific writing." Clinical Chemistry.

"Scientists spend a large part of their training learning how to do science; and very little learning how to communicate it . . . But at the very least, they could be encouraged to read a book such as this." Nature.

Wadsworth, 1985, 323 pages, $9\frac{1}{2}" \times 6\frac{1}{2}"$, hardcover, \$30.95

Science News Books 1719 N St., NW, Washington, DC 20036			
Please send copy(ies) of The Elements of Graphing Data. I include a check payable to Science News Books for \$30.95 plus \$1.00 handling (total \$31.95) for each copy. Domestic orders only.			
Name			
Address			
CityStateZipRB735			

"The only negative thing that might be said in connection with this book is that it probably won't be read by even a fraction of the scholars who could benefit significantly from exposure to its content." College and Research Libraries.

"... an exceptionally thorough book of fundamentals which ought to have a broad impact in the science community, particularly among those who write for publication and make presentations to managers." Applied Spectroscopy.