

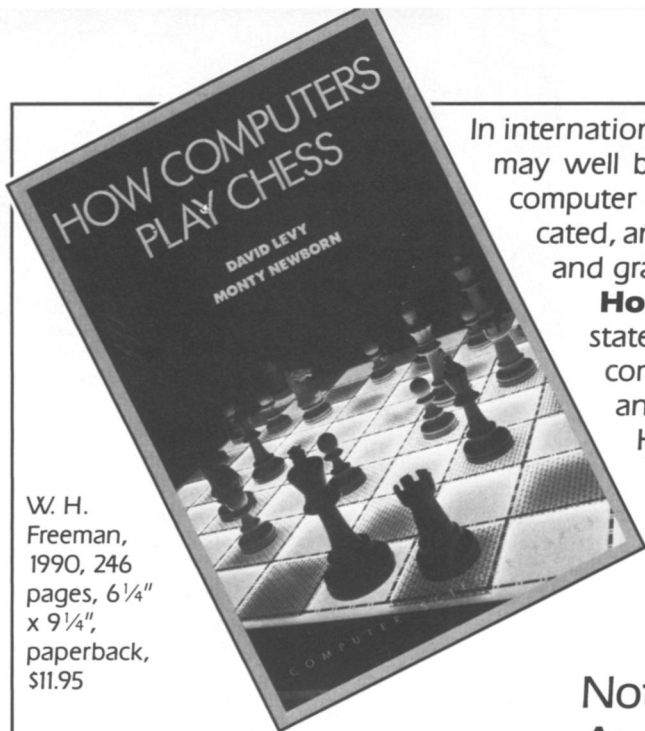
The Weekly Newsmagazine of Science

SCIENCE NEWS

November 17, 1990
Vol. 138, No. 20
Pages 305-320



*Ghosts of
Solids*



W. H. Freeman, 1990, 246 pages, 6 1/4" x 9 1/4", paperback, \$11.95

In international circles, it is widely accepted that Gary Kasparov may well be the last human world chess champion. Today computer programs are becoming more and more sophisticated, and they now pose a new challenge to chess masters and grandmasters worldwide.

How Computers Play Chess assesses the current state of the art and offers expert insight into just when computers will beat the world's best humans. The book answers such questions as:

How do computers select moves?

Who is Deep Thought?

Can chess programs learn?

What can we expect from future chess programs?

—from the publisher

"Levy and Newborn have been there from the early days, and they tell an extraordinary story. The book is fascinating for both its breadth and detail. The high point is the games themselves, from crude early efforts to a historical match with the human world chess champion himself."

—Shelby Lyman, PBS Chess Host

Notates and Analyzes Dozens of Games!

Science News Books ComputeChess
 1719 N Street, NW
 Washington, DC 20036

Please send _____ copy(ies) of **How Computers Play Chess**. I include a check payable to Science News Books for \$11.95 plus \$2.00 postage and handling (total \$13.95) for each copy. Domestic orders only.

Name _____
 Address _____
 City _____
 State _____ Zip _____
 Daytime Phone (_____) _____
(used only for problems with order)

RB1335

"In an age of near saturation on the environmental front, this book presents a clear, readable description of our global problems for everyone interested in the future."

—William D. Ruckelshaus
 Former Administrator,
 Environmental Protection Agency

ONE EARTH

OUR CHANGING GLOBAL ENVIRONMENT

ONE FUTURE



NATIONAL ACADEMY OF SCIENCES

by
Cheryl Simon Silver
 with
Ruth S. DeFries

National Academy Press, 1990, 196 pages, 6" x 9 1/4", hardcover, \$14.95

In just a small fraction of the time of our brief presence on earth, humans have become a powerful agent of change in the global environment. **One Earth, One Future** is an easy-to-read volume that can help concerned individuals understand the basic science behind global environmental problems and the policy implications that are part of the search for solutions.

Describing the earth as a unified system, the authors explore the interactions between land, water and the atmosphere, and the snowballing impact that human activity is having on the system. The myriad faces of global change resulting from human activities — the greenhouse effect and its implications for agriculture and for sea-level rise in coastal areas, ozone depletion in the stratosphere, forest clearing in the tropics and the impacts on species living there, and acid deposition — are each covered in separate chapters. In addition to the scientific descriptions, the book points out the seemingly paradoxical need for economic growth to alleviate such global environmental problems.

—from the publisher

Science News Books
 1719 N Street, NW
 Washington, DC 20036

OneEarth

Please send _____ copy(ies) of **One Earth, One Future**. I include a check payable to Science News Books for \$14.95 plus \$2.00 postage and handling (total \$16.95) for each copy. Domestic orders only.

Name _____

Address _____

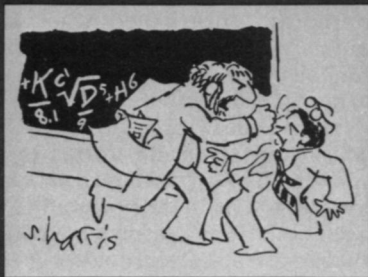
City _____

State _____ Zip _____

Daytime Phone (_____) _____
(used only for problems with order)

RB1334

"YOU WANT PROOF?
I'LL GIVE YOU PROOF!"



More cartoons from
SIDNEY HARRIS

There's no proof the FOREWORD is BY ALBERT EINSTEIN

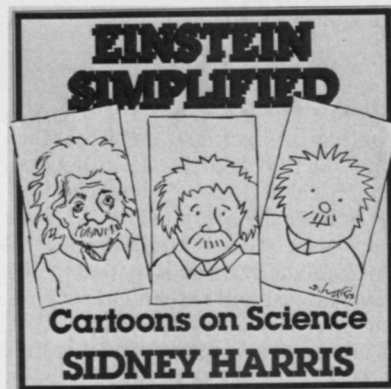
Sidney Harris' tenth and best collection of cartoons will have you laughing from the moment you open it. Sidney has been busy peering through telescopes, into test tubes, and rummaging through documents by the paper shredder to come up with his funniest cartoons ever!
— from the publisher

W.H. Freeman, 1991, approx. 150 pages, 7" x 9", paperback, \$10.95

Also Available:

"What's so funny about science?
Sidney Harris,
that's what."

— Isaac Asimov



Rutgers Univ. Pr., 1989, approx. 150 pages, 8" x 8", paperback, \$9.95

Science News Books, 1719 N St., NW, Washington, DC 20036
Please send me the books marked below. I include a check payable to Science News Books for the price of the book plus \$2.00 postage and handling per book. Domestic orders only.

- You Want Proof? I'll Give You Proof!, \$10.95
 Einstein Simplified, \$9.95

Name _____

Address _____

City _____

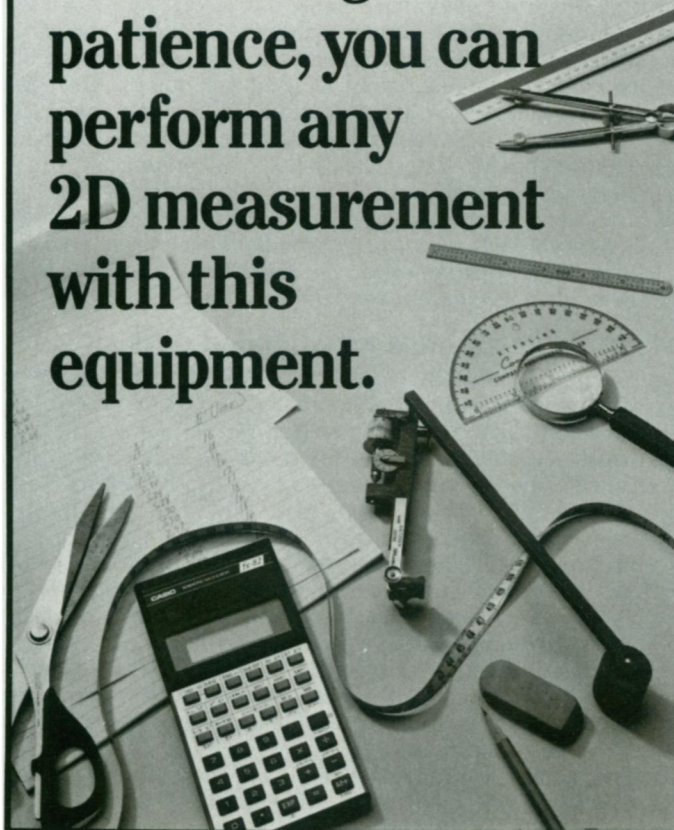
State _____ Zip _____

Daytime Phone (_____) _____

(used only for problems with order)

RB1333

With enough
patience, you can
perform any
2D measurement
with this
equipment.



Save yourself a lot
of trouble.

Put your planimeter, ruler,
and calculator away. Use
SigmaScan™ instead.

With SigmaScan, it takes only seconds to measure angles, areas, lengths, perimeters, slopes, and points and analyze the data on your own IBM PC or compatible. Each measurement is organized in a worksheet the way you want it, with the units you specify. You can even transform data based on your equations, and store data in standard ASCII files for use in other programs. SigmaScan, it takes the trouble out of 2D measurement.

For free brochure, call 800-874-1888 (415-924-8640 in CA and Canada).



Jandel
SCIENTIFIC

"Microcomputer Tools for the Scientist"

65 Koch Road, Corte Madera, CA 94925

800-874-1888, In CA 415-924-8640

FAX 415-924-2850

In Europe: R.J.A. Handels GmbH, Germany

Phone 2101/666268 Fax: 2101/64321