

The Weekly Newsmagazine of Science

# SCIENCE NEWS

July 22, 1989  
Vol. 136, No. 4  
Pages 49-64



## Forest Diebacks: The Root of the Problem



# SCANDIA

## The Shoulder Bag For People On The Go!

### IT HOLDS EVERYTHING!

The Scandia is intelligently designed to hold all the books, paper, equipment and clothes you could ever need to carry.

There are even special pockets for all those little odds and ends that seem to get lost in ordinary bags. The sturdy canvas Scandia measures 14 1/2" across, 11" deep, and 4" wide (the perfect size for an airplane carry-on), and has six inner and outer pockets. And for those times when you need a little extra space, just open the Scandia's inside zipper and the bag expands to a full 8 inches in width! No matter how much you pack into the Scandia, it will still be trim enough to carry comfortably.

### IT'S EXTREMELY DURABLE.

As anyone who has ever owned a Scandia will testify, *this bag lasts for years*. The Scandia's high-quality canvas is water-resistant, color-fast, and scuff-proof. Its heavy duty zippers, piping, and snaps are well-made and extremely durable. And the Scandia will stay in style for years; its attractive, casual look goes as well with a business suit as it does with jeans and a sweater. And with six handsome colors to choose from, you might want to own more than one!



ONLY  
\$19.95

Clear vinyl window for schedule, photo, etc.

Adjustable straps secure top to bottom

Calculator case

Pencil & ruler pocket (ruler included)

2 full-depth inner pockets

Zipper lets bag expand to 8" width.

Full Width & depth outside pocket on back

Fully adjustable 2" wide canvas shoulder strap

Two 6" x 7" outer pockets

NOW ONLY  
\$19.95



The Scandia's remarkable design makes it roomy enough to hold all your gear, yet trim enough to carry comfortably.

There's simply no other shoulder bag that's as lightweight, versatile, stylish, durable and affordable as the Scandia.

If you've shopped around for high-quality shoulder bags, briefcases, and purses, you're probably aware that most of these items cost at least \$50. But, because we've made a mass purchase of Scandia bags, we are able to sell them at the remarkably low price of only \$19.95 each. Surely, that's a small price to pay for a big capacity, smart-looking bag that will last for years.

With these six handsome colors to choose from, you're sure to find a Scandia to suit your taste.

BLACK GRAY BURGUNDY BLUE KHAKI BROWN



Credit Card Customers Call Toll Free

24 Hours - 7 Days a Week



1-800-242-6657

**Barnes & Noble**  
Booksellers Since 1873

NAME

ADDRESS

CITY/STATE/ZIP

METHOD OF PAYMENT

☐ Check ☐ VISA ☐ Mastercard ☐ American Express

CREDIT CARD NUMBER

\_\_\_\_\_

\_\_\_\_\_

EXP. DATE

SIGNATURE

DEPT. B248, 126 FIFTH AVE., NY, NY 10011

ITEM #	STYLE	QTY	TOTAL
#1377068	BLUE		
#1377027	BLACK		
#1377019	GRAY		
#1377035	BROWN		
#1377043	KHAKI		
#1377050	BURGUNDY		

Merchandise Total

Add sales tax for deliveries to MA, PA, NY, NJ & MN.

Add \$2.50 per bag ordered for shipping & insurance

ORDER TOTAL

#### Barnes & Noble Unconditional Guarantee

You must be completely satisfied with every item you order from Barnes & Noble by mail, or you may return it to us, for a full refund.



---

# FEARFUL SYMMETRY

## The Search for the Beauty of Modern Physics

By A. Zee

***Fearful Symmetry* invites us to view physics not merely as a body of theories and facts, but as a spirited quest to fathom the workings of the universe. Zee shows how symmetry guides Nature's grand design in such diverse phenomena as the longevity of stars, the magic of light, the expansion of the cosmos and the life and death of particles.**

— from the publisher

---

*Science News Books*

1719 N St., NW, Washington, DC 20036

Please send \_\_\_\_\_ copy(ies) of *Fearful Symmetry*. I include a check payable to Science News Books for \$9.95 plus \$2.00 postage and handling (total \$11.95) for each copy. Domestic orders only.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Daytime Phone # (\_\_\_\_\_) \_\_\_\_\_

(used only for problems with order)

RB1104

"... Zee is both scientifically accurate and intriguingly personal in describing, with quips, insights and analogies, such ideas as multidimensional spacetime, 'string' universes, supergravity and more — ideas bound together by symmetries not imagined until recently."

— *Publisher's Weekly*

*Collier*, 1986, 322 pages, 9½" x 6¼", paperback, \$9.95  
ISBN 0-02-040911-7

---

Why does time appear to run in only one direction? We remember the past — but why not the future? We can influence the future — but could we, even theoretically, influence the past? Generations of philosophers and theologians, physicists and mathematicians have puzzled and speculated about these and the many other questions that surround the concept of time. Recent scientific work is said to explain the directionality of time. But time still contains many mysteries — black holes and big bangs, asymmetries and relativities, arrows and loops — that will doubtless continue to occupy us for centuries to come. In this impressive collection of original articles, ten internationally known scholars explore and explain the nature of time, space and now space-time. Founded on the latest developments in thermodynamics, quantum theory and cosmology, their ideas will fascinate anyone interested in Einstein's general theory of relativity.

— from the publisher

"In an age that often seems to thrive on the rapid, *The Nature of Time* ... provides some heady and challenging relief." *The New York Times*

"A book which ... I recommend highly to anyone who wants a clear and readable account of current thinking on this fascinating and controversial topic." *New Scientist*

Basil Blackwell, 1986, 187 pages, 9" x 6", paperback, \$11.95.  
ISBN 0-631-16578-9

---

*Science News Books*

1719 N Street, NW

Washington, DC 20036

Please send me \_\_\_\_\_ copy(ies) of *The Nature of Time*. 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 \_\_\_\_\_

RB1105

