

SENCE NEVS®

The Weekly Newsmagazine of Science

Volume 154, Nos. 25 & 26, December 19 & 26, 1998

This Week

- 388 New Gene Therapy Fights Frailty Janet Raloff
- 388 Fishing trawlers scrape rock bottom Sarah Simpson
- 389 Cosmic lenses magnify distant galaxies Ron Cowen
- 389 Ancient ancestor reveals skeletal stamina Bruce Bower
- 390 Potent laser twirls electron figure eights Peter Weiss
- 390 Sleeping birds might be proofing songs Susan Milius
- 391 Do HIV-infected blobs run amok in AIDS?

 John Travis
- 391 Tumors often have phony protein receptor Nathan Seppa

Articles

- 392 The Greatest Story Ever Told Is cosmology solved?

 Ron Cowen
- 395 Tubular Science
 Tune in for previews of hot new
 TV science shows!
 Bruce Bower

398 A Billion Years of Beauty Exhibit of fossils strains the definition of art Richard Monastersky

Research Notes

397 Behavior

Stressful aftermath of early losses Antipsychotics and brain changes

400 Earth Science
Central U.S. quake threat debated
The swell side of El Niño

Departments

- 386 Science News Books
- 402 Science News of the Year
- 410 Semiannual Index



Cover: A pattern of curving folds suggesting fingerprints adorns the surface of a 140-million-year-old limestone slab from southern Germany, shown here in a cast of the original. As part of the exhibit "Fossil Art," such pieces straddle the divide separating art from science. **Page 398** (Photo: William K. Sacco, Peabody Museum of Natural History)

Visit Science News Online for special features, columns, and references.

http://www.sciencenews.org

New Edition! Four Years of Science News.

1995-1998 SCIENCE NEWS ON CD-ROM

Searchable full text of news stories, features, notes, and letters from January 1995 through December 1998 With selected illustrations and improved search capabilities \$57.50 per order; \$47.50 for SCIENCE NEWS subscribers and

owners of Science News 1995-1996 CD-ROM

Plus \$4 handling and mailing fee

Projected shipping date: March 1999 • To order, call or fill out the form below and mail today

Visa or MasterCard, order today 1-800-544-4565/DC 202-331-9653

FAX: 1-202-785-1242

E-mail: sn_cdrom@sciserv.org Web: http://www.sciencenews.org

Includes Adobe Acrobat Reader Software for PC, Macintosh, and Unix

Specifications for PCs 386SX processor or higher • Microsoft® Windows 3.1 or higher in an enhanced mode with virtual memory (and DOS 4.1 or higher) • 2X speed CD-ROM drive with Microsoft® MSCDEX ver. 2.0 or higher • 8 MB RAM with 6 MB of free hard disk space • VGA monitor as minimum. Super VGA monitor with 800 x 600 resolution is preferred Specifications for Macintosh® System 7 or higher with Color Quickdraw is required • A Macintosh® compatible CD-ROM drive with Foreign File Access installed is required • 8 MB of RAM and 9.5 MB of hard disk space • A color monitor with 256 color display and 800 x 600 resolution Specifications for UNIX® UNIX® workstations running SunOS 4.1.x (also under Open Windows™ 3.0), SGI® running IRIX® 4.0.x • ISO-9660 compatible CD-ROM drive

SCIENCE News on CD-ROM 1719 N Street, NW, Washing	ton, DC 20036	SciNews98CDS SciNews98CDN
Please send mecop □ enclosed is \$61.50 — non payable to Science News (□ enclosed is \$51.50 — sub order payable to Science 1	nsubscriber's rate fincludes postage a pscriber's and own News (includes pos	— for each order and handling) ner's rate — for each
Bill my Visa or MasterCard: ☐ \$61.50 nonsubscriber's rat Name	te 🗆 \$51.50 subscr	
☐ \$61.50 nonsubscriber's rat Name	te 🗆 \$51.50 subscr	
□ \$61.50 nonsubscriber's rat	te □ \$51.50 subscr	
\$61.50 nonsubscriber's rat Name Address	te 🗆 \$51.50 subscr	Zip
Sol. \$61.50 nonsubscriber's rat Name Address City	te 🗆 \$51.50 subscr	Zip

Tomorrow's great discoveries will be made by the students we discover today.



Beginning with the invention of the microprocessor, Intel has been responsible for some of the most exciting and impactful technological advances of the last 25 years. At Intel we recognize that to produce leading-edge technologies, it is essential to support a rich educational environment that will inspire future researchers and innovators. That's why Intel supports the efforts of Science Service, a non-profit organization dedicated to advancing the understanding and appreciation of science. Jointly, we share a common goal — a commitment to programs that encourage and reward students in their pursuit of science, math and technology education.

SCIENCE TALENT SEARCH

The Intel Science Talent Search is the most prestigious search for future scientific leaders among high school seniors. The Science Talent Search has recognized more than 2,200 young scientists and awarded more than \$3.7 million in scholarships over the past 57 years. Five former competitors have gone on to win the Nobel Prize.



The Intel ISEF is the world's largest international pre-college science project competition. More than 1,200 student finalists from science fairs around the world compete in the Intel ISEF for more than \$2 million in awards and scholarships. 1999 marks the 50th anniversary of the fair.

For more information, official rules, and entry forms visit the Science Service web site at www.sciserv.org or contact:
Science Service
1719 N Street, NW,
Washington DC 20036
Tel: 202.785.2255
E-Mail: sciedu@sciserv.org



© 1998 Intel Corporation. All rights reserved.