

# SCIENCE NEWS®

The Weekly Newsmagazine of Science

A Science Service Publication  
Volume 127, No. 8, February 23, 1985

E. G. Sherburne Jr. Publisher  
Joel Greenberg Editor  
Dietrick E. Thomsen Senior Editor/  
Physical Sciences  
Laurie Jackson Phillips Managing Editor  
Wendy McCarren Production/Design  
Director  
Bruce Bower Behavioral Sciences  
Joanne Silberner Biomedicine  
Stefi Weisburd Earth Sciences  
Julie Ann Miller Life Sciences  
Janet Raloff, Policy/Technology  
Ivars Peterson  
Jonathan Eberhart Space Sciences  
Susan Welch Assistant to  
the Editor  
Dawn D. Bennett Science Writer Intern  
Jane M. Livermore Books  
Donald R. Harless Business Manager  
Scherago Associates Advertising  
Fred Dieffenbach, Sales Director  
1515 Broadway, New York, N.Y. 10036

Copyright © 1985 by Science Service, Inc.,  
Editorial and Business Offices,  
1719 N St., N.W., Washington, D.C. 20036.  
Republication of any portion of SCIENCE NEWS  
without written permission of the publisher is  
prohibited.

Subscription Department  
231 West Center Street, Marion, Ohio 43305

Subscription rate: 1 yr., \$27.50; 2 yrs., \$47.50;  
3 yrs., \$67.00. (Foreign postage \$5.00 additional per  
year.) Change of address: Four to six weeks' notice  
is required. Please state exactly how magazine  
is to be addressed. Include zip code. For new  
subscriptions only call (1) 800-247-2160. Printed in  
U.S.A. Second class postage paid at Washington,  
D.C. Title registered as trademark U.S. and  
Canadian Patent Offices. Published every Saturday  
by SCIENCE SERVICE, Inc. 1719 N St., N.W.,  
Washington, D.C. 20036. (202-785-2255)  
ISSN 0036-8423

## Letters

### Sailing the high seas

I read with great interest about the capabilities of the JOIDES Resolution ("A New Resolution for Ocean Drilling," SN: 2/2/85, p. 68). Being able to "go to higher altitudes..." must be unique among oceangoing ships. However, if its mission is to drill into the earth I suggest that it stay in the lower altitudes to reduce the distance to be drilled, thus saving research dollars.

Thomas G. Hartung  
Mt. Clemens, Mich.

Ed.'s note:

*If latitudes were altitudes  
Our attitudes would differ  
From those that place the oceans  
So far from the Big Dipper.*

*So here we stand in gratitude  
For your comments, in no way platitudes,  
And further think that JOIDES oughta  
Keep both oars in the water.*

## This Week

- 116 Rocking the Fold: A New Crustal Model
- 116 Artificial heart No. 3
- 117 Supercomputing with a Cosmic Cube
- 117 A 'lost and found' city in Peru gets new perspective
- 118 Famine: Is there a lesson from Africa?
- 118 Mapping the bat's belfry
- 119 Weighty problems more fat than fancy
- 119 Trillion-unit 'hero' of fiber optics

## Research Notes

- 120 Behavior
- 120 Biology

## Articles

- 122 Lessons from Asilomar
- 124 Multimedia Maneuvers

Cover: Environmental laws deal with pollutants within the separate confines of air, land or water, but many toxic substances stray beyond those regulatory bounds. Regulators are beginning to rethink the fragmented environmental policy in an attempt to manage such "crossover" pollutants. (Photo: Phil Brodatz, *Land, Sea and Sky*)



## Departments

- 114 Science on the Air
- 114 Books
- 115 Letters

**Science Service** Institution for the public understanding of science founded 1921; a nonprofit corporation.

Board of Trustees—*President*, Glenn T. Seaborg; *Vice President*, Gerald F. Tape; *Treasurer*, Willis Harlow Shapley; *Secretary*, Julius Duscha; Joseph W. Berg Jr.; Edward Bliss Jr.; Bowen C. Dees; David A. Goslin; Milton Harris; Hilleary F. Hoskinson; O. W. Riegel; H. Guyford Stever; John Troan; Deborah P. Wolfe.

Director: E. G. Sherburne Jr.; Assistant Director: Dorothy Schriver; Business Manager: Donald R. Harless.

## Garrulous schizophrenics?

I disagree with your headline "Support Therapy Gets Boost" in the story about the Gunderson study of psychotherapy for schizophrenics (SN: 12/22&29/84, p. 388).

One of the quickest and surest ways I know of to lose a job is to complain a lot, blame others (especially your family) for your troubles and continuously verbalize your ideas and opinions without inhibition. That is exactly what psychoanalytically oriented psychotherapists encourage their patients to do. No wonder such "expressive, insight-oriented" patients joined the unemployed more quickly than the patients who were merely given "supportive" therapy.

If a no-treatment control group of schizophrenics had been used, I am confident the study would have shown the "support therapy" patients to have fared the same as the controls. In other words, support therapy is merely useless, while the "insight" therapies, which encourage self-centered garrulousness, are actually harmful.

As numerous articles in SCIENCE NEWS have

amply demonstrated, schizophrenia is a *biological* disorder, and requires biological, not talk, therapy.

Bernhard Rimland  
Director, Institute for Child Behavior Research  
San Diego, Calif.

## Copies Missing?

Keep your files of Science News complete and up-to-date. Any missing issue from the past two years may be ordered by sending \$1.00 per copy (\$1.50 for issues older than 1 year) to:

Back Orders

## Science News

1719 N Street, N.W.  
Washington, D.C. 20036

FEBRUARY 23, 1985

115