

The Weekly Newsmagazine of Science

# SCIENCE NEWS

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Pages 177-192



*From Dust to Planet*

## CULTIVATE A BUDDING SCIENTIST

The *INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF)* is a garden of opportunities for young scientists!

**WE'VE ADDED SOMETHING NEW:** A Team Projects Category. This will enable students to work together on projects they might not tackle on their own.

**BUT SOMETHING OLD HAS NOT CHANGED:** Financial support for *ISEF*. The top scholarship award at *ISEF* is \$500. To continue attracting the cream of the crop, Science Service hopes to increase the top award to \$5,000.

**YOU CAN HELP THIS GARDEN GROW --** join the 70 institutions -- professional societies, corporations, government agencies and individuals -- who currently help finance *ISEF* scholarship awards. By providing seed money, you can count on the students to work the soil themselves.

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*Make your tax-deductible donations to ISEF through Science Service, 1719 N Street, N.W., Washington, D.C. 20036.*

Each year, close to 200 million prescriptions for psychiatric drugs are filled. These recently developed drugs have revolutionized the treatment of psychological illness, but along with their beneficial effects, they can also influence your mood, blood pressure, appetite, bowel function, energy level, sex drive, and sleep patterns — and may also carry the risk of addiction.

Prepared by a team of nationally respected health professionals, here is the definitive consumer guide to these powerful medications. Inside, you'll find:

▶ An alphabetical listing and dis-

cussion of the most frequently utilized drugs, cross-referenced to the illnesses they treat and their side effects

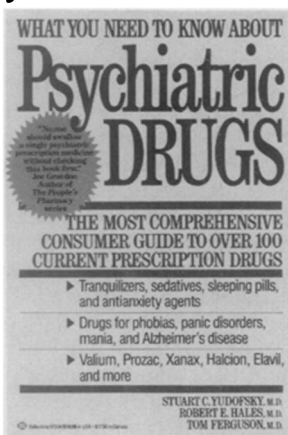
▶ A listing of drugs that can cause psychiatric symptoms or interact with psychiatric drugs

▶ A guide to buying, taking, and storing drugs

▶ A review of the drugs' effects on special risk groups, such as pregnant women and the elderly

▶ Guidelines for finding and evaluating psychiatrists who are experienced and knowledgeable in prescribing psychiatric drugs

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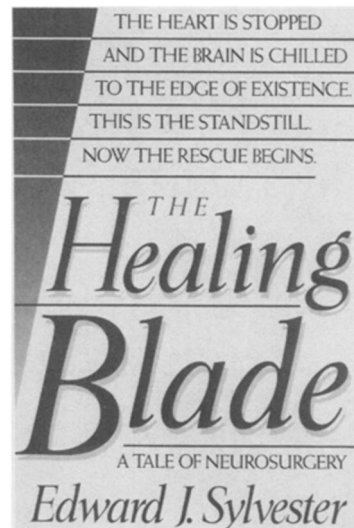
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THE HEALING BLADE is the riveting account of Dr. Robert Spetzler's ground-breaking work in neurosurgery, and the pioneering of a practice called hypothermic arrest or "standstill." During this science-fiction like procedure, the patient is put into a deathlike coma to reduce the brain's need for oxygen. The heart is stopped, the brain chilled, and blood is drained from the patient's body to give the neurosurgeon an opportunity to operate in a blood-free environment. Sylvester follows Spetzler, his colleagues, and eight patients whose cases provide vivid examples of the accomplishments and limitations of neurosurgery, and why the brain remains the most mysterious and complex area of surgery. THE HEALING BLADE is at once a portrait of genius at work, an account of the inner workings of one of the world's most renowned neurosurgical institutes, and an astonishing look at the human brain.

*"A super read!  
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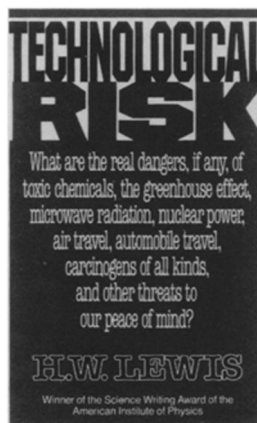
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We live in a technological society that is widely perceived by our citizens to be dangerous. Indeed, many of us feel surrounded much of the time by forces beyond our control, by threats such as pesticides, nuclear power, the greenhouse effect, microwave radiation and chemical trace elements, to mention only a few. Two questions face all of us: How real are these risks? And, if they are real, how do we manage our lives in order to avoid personal damage from them?

*Technological Risk* answers these questions, distinguishing the real dangers in our world from the apparent risks we fear far beyond their ability to harm us; separating our fears from what we should actually be worried about and giving us valuable advice about how we measure risk and how we regulate it. The best and latest scientific information on carcinogens and the greenhouse effect is here as well as detailed discussion of highway safety, air travel risk, nuclear power and acid rain — everything the intelligent reader needs to know to make reasonable judgments about the risks of living long and well in a technological society.

— from *WW Norton*



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— *New York Times Book Review*

*WW Norton, 1992, 353 pages,  
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