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**Abusing Science: The Case against  
Creationism** — Philip Kitcher. This book was  
written by a philosopher of science for con-  
cerned citizens whether their background in sci-  
ence is minimal or they are professional sci-  
entists. The author, according to the preface, has  
tried to explain what the creationists say and  
why they are wrong in such a way that anyone  
who is interested may find out. By examining  
the "scientific pretensions" of the creationists  
Kitcher has tried to convey a sense of the nature  
and methods of science. Originally published in  
hardback in 1982. MIT Pr, 1983, 213 p., paper,  
\$6.95.

**Annual Review of Medicine: Selected Topics  
in the Clinical Sciences, Vol. 34** — William P.  
Cregger, Ed. Articles cover such topics as the  
new international classification for the diagnosis  
of diabetes, right ventricular infarction and  
sweating and its disorders. Annual Reviews,  
1983, 567 p., illus., \$27.

## This Week

- 36 Tracking Down Hot Stars and a Cold Sea
- 37 VDTs: User stress and eyestrain largely due to job design
- 38 Some sweet news for diabetics
- 38 High court OKs testimony on future violence
- 39 The earth's slowly changing shape
- 39 Quarks may burst their bag
- 39 Tantalizing whiff of fractional charge

## Research Notes

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## Articles

- 40 **A Giant's Troubled Sleep**  
Cover: At various intervals in the last two million years the volcanic  
system near Mammoth Lakes, Calif., has been the site of violent  
eruptions. An event 700,000 years ago was 600 times as powerful as  
the strongest recent eruption at Mt. St. Helens. Now, geologists think  
that magma is moving again beneath Long Valley (pictured) and they  
want to know why. (Photo courtesy of United States Geological  
Survey)
- 45 Solving the Mystery of Anxiety



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**Getting Through to Your Handicapped Child**  
— Elizabeth Newson and Tony Hipgrave. De-  
scribes a practical program — and the principles  
underlying it — to enable parents to communi-  
cate with their handicapped child in a form the  
child can understand. The aim is to allow the  
child to discover his or her own capacity for  
achievement and self-respect. Cambridge U Pr,  
1982, 134 p., illus., paper, \$7.95.

**The Grand Design: Form and colour in animals**  
— Sally Fox and Oxford Scientific Films,  
foreword by Gerald Durrell. A book with magni-  
ficent color photographs about form and color in  
animals written specifically for the general  
reader. Animals have arrived at their present  
form through the process of evolution. In some  
cases the reason for the evolution of a particular  
feature of design is obvious, in other cases it  
remains a mystery. P-H, 1983, 238 p., color illus.,  
\$24.95.

**Mathematical Games** — Marie Berrondo,  
translated and edited by Peter Dax and Mariana  
Fitzpatrick. 250 problems by France's most pop-  
ular puzzle-maker. Covers such topics as prob-  
ability; logic; relationships among speed, dis-  
tance and time; geometry and whole numbers.  
Originally published in French. P-H, 1983, 211 p.,  
illus., \$15.95, paper, \$6.95.

**The Real Future** — T. A. Heppenheimer. Ex-  
plores such areas as oil and energy, the effects  
of climate change, nuclear decisions, genetics,  
transportation and population. Provides analysis  
of the scientific and psychological importance  
from the past through the present to the future  
of these and other questions. "Change amid  
continuity has defined our times [and]... will de-  
fine our future." Doubleday, 1983, 295 p., illus.,  
\$17.95.

**The Rise of the Computer State** — David  
Burnham, foreword by Walter Cronkite. Exam-  
ines how the ability of the computer to collect,  
organize and distribute information tends to en-  
hance the power of the bureaucratic structures  
that harness the computer to achieve their sepa-  
rate and often worthy goals. Also examines how  
the computer, as utilized by the institutions of  
our society, is affecting our values. Random,  
1983, 273 p., \$17.95.

**What's Wrong With Our Technological Soci-  
ety** — And How to Fix It — Simon Ramo. The  
board chairman of TRW-Fujitsu Co. and visiting  
professor at the California Institute of Technol-  
ogy demonstrates how to exploit the new  
technologies while minimizing their often nega-  
tive effects on society. McGraw, 1983, 280 p.,  
\$19.95.

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