<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>519</td>
<td>This Week in Science</td>
</tr>
<tr>
<td>521</td>
<td>Lifelong Learning</td>
</tr>
<tr>
<td>522</td>
<td>Psychiatric Diagnoses: M. W. WEISMANN, D. B. GOLDSMITH; T. A. WATKINS, E. E. PILCHER, R. H. SILSBEY</td>
</tr>
<tr>
<td>524</td>
<td>A Dispute Over Soviet ABM Plans, Trading Charges Over Radars</td>
</tr>
<tr>
<td>527</td>
<td>Fixing the Shuttle</td>
</tr>
<tr>
<td>528</td>
<td>Lake Nyos Was Rigged for Disaster</td>
</tr>
<tr>
<td>529</td>
<td>Oxygen Free Radicals Linked to Many Diseases</td>
</tr>
<tr>
<td>531</td>
<td>Record High-Temperature Superconductors Claimed</td>
</tr>
<tr>
<td>534</td>
<td>Possible First Hints of Double Beta Decay</td>
</tr>
<tr>
<td>535</td>
<td>Forensic Experts Aid Philippine Search for Disappeared, Volume Describing Technology Transfer in China Available, Seminar on Population-Resource-Environment Interactions Held in Bangalore, Reminder to Members, AAAS Prize for Behavioral Science Research, AAAS Announces New Museum Benefit for Members, Obituaries</td>
</tr>
<tr>
<td>539</td>
<td>Famine: Causes, Prevention, and Relief: J. W. MELLOM and S. GAVIAN</td>
</tr>
<tr>
<td>545</td>
<td>Focal Points in Mass Spectrometry: W. N. DELGASS and R. G. COOKS</td>
</tr>
<tr>
<td>553</td>
<td>The Biology and Chemistry of Fertilization: P. M. WASSARMAN</td>
</tr>
<tr>
<td>565</td>
<td>Recent Mafic Volcanism on Mars: B. K. LUCCHITTA</td>
</tr>
<tr>
<td>567</td>
<td>Superconductivity at 52.5 K in the Lanthanum-Barium-Copper-Oxide System: C. W. CHU, P. H. HOR, R. L. MENG, L. GAO, Z. J. HUANG</td>
</tr>
<tr>
<td>569</td>
<td>Evaluation of Intrinsic Binding Energy from a Hydrogen Bonding Group in an Enzyme Inhibitor: P. A. BARTLETT and C. K. MARLOWE</td>
</tr>
</tbody>
</table>

**Notes:**
- SCIENCE is published weekly on Friday, except the last week in December, and with an extra issue in February by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Second-class postage (publication No. 4944460) paid at Washington, DC, and at an additional entry. Now combined with The Scientific Monthly. Copyright © 1987 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $65. Domestic institutional subscription (51 issues): $98. Foreign postage extra: Canada $32, other (surface mail) $27, air-surface via Amsterdam $65. First class, airmail, school-year, and student rates on request. Single copies $2.50 ($3 by mail); back issues $4 ($4.50 by mail); Biotechnology issue, $5.50 ($6 by mail); classroom rates on request; Guide to Biotechnology Products and instruments $15 ($17 by mail). Change of address: allow 6 weeks, giving old and new addresses and seven-digit account number. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of $1 per copy plus $0.10 per page is paid directly to CCC, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/87 $1 + .10. Postmaster: Send Form 3579 to Science, 1333 H Street, NW, Washington, DC 20005. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes. The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
571 Structures of Two Thermolysin-Inhibitor Complexes That Differ by a Single Hydrogen Bond: D. E. Tronrud, H. M. Holden, B. W. Matthews


576 The Mitochondrial Genotype Can Influence Nuclear Gene Expression in Yeast: V. S. Parikh, M. M. Morgan, R. Scott, L. S. Clements, R. A. Butow


585 Diurnal Expression of Transducin mRNA and Translocation of Transducin in Rods of Rat Retina: M. R. Brann and L. V. Cohen

587 Site-Specific Nick in the T-DNA Border Sequence as a Result of Agrobacterium vir Gene Expression: K. Wang, S. E. Stachel, B. Timmerman, M. Van Montagu, P. C. Zambryski

591 A GI Glycoprotein Epitope of La Crosse Virus: A Determinant of Infection of Aeles triseriatus: D. R. Sundin, B. J. Beaty, N. Nathanson, F. Gonzalez-Scarano

593 Redesigning Metabolic Routes: Manipulation of TOL Plasmid Pathway for Catabolism of Alkylbenzoates: J. L. Ramos, A. Wasserfallen, K. Rose, K. N. Timmis

Book Reviews

597 Agent Orange on Trial, reviewed by J. P. Dwyer  Leaders in the Study of Animal Behavior: H. Markl  Molecular Evolutionary Genetics: M. T. Clegg  African Pygmies: P. T. Ellison  Books Received

Board of Directors
Gerard Piel
Retiring President, Chairman
Lawrence Bogosad
President
Sheila E. Widnall
President-elect
Robert McC. Adams
Robert W. Berliner
Floyd E. Bloom
Mary E. Clutter
Mildred S. Dresselhaus
Donald N. Langenberg
Dorothy Nelkin
Linda S. Wilson
William T. Golden
Treasurer
William D. Carey
Executive Officer

Editorial Board
Elizabeth E. Bailey
David Baltimore
William F. Brinnman
Philip E. Converse
Joseph L. Goldstein
James D. Idol, Jr.
Leon Knopoff
Seymour Lipset
Walter Massey
Oliver E. Nelson
David V. Ragone
David M. Raup
Vera C. Rubin
Larry L. Smarr
Solomon H. Snyder
Robert M. Solow
James D. Watson

Board of Reviewing Editors
John Abelset
Qais Al-Awqati
James P. Allison
Don L. Anderson
Elizabeth H. Blackburn
Floyd E. Bloom
Charles R. Cantor
James H. Clark
Bruce F. Eledge
Stanley Falkow
Theodore H. Geballe
Roger I. M. Glass
Stephen P. Golub
Robert B. Goldberg
Corey S. Goodman
Richard M. Held
Gloria Heppner
Eric F. Johnson
Konrad B. Krauskopf
I. Robert Lehamn
Karl L. Magleby
Joseph B. Martin
John C. McGuff
Alton Meister
Mortimer Mishkin
Peter Olson
Gordon H. Orians
John S. Pearse

Yesayahu Pocker
Jean Paul Revel
James E. Rothman
Thomas C. Scheiing
Ronald H. Schwartz
Stephen M. Schwartz
Otto T. Sorberg
Robert T. N. Tian
Virginia Trimble
Geerat J. Vermeij
Martin G. Weigert
Harold Weintraub
Irving L. Weissman
George M. Whitesides
Owen W. Witte
William B. Wood

30 January 1987
Science 235 (4788), 536b-600.