<table>
<thead>
<tr>
<th>Editorial</th>
</tr>
</thead>
<tbody>
<tr>
<td>1169 Energy Future</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letters</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>News &amp; Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1188 Fuqua Leaves 62 Parting Thoughts ■ The Chairman's Wish List</td>
</tr>
<tr>
<td>1190 Crop Research Network Makes Some Changes</td>
</tr>
<tr>
<td>1191 Astronomer Fasts for Arms Control</td>
</tr>
<tr>
<td>1192 Academy Membership Fight Goes Public</td>
</tr>
<tr>
<td>1194 Chemical Weapons: A Plan for Europe</td>
</tr>
<tr>
<td>1195 Accelerator Labs Face Austere Year Eiffel Centenary to Put Art in Space</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Research News</th>
</tr>
</thead>
<tbody>
<tr>
<td>1196 Halley's Confounding Fireworks</td>
</tr>
<tr>
<td>1198 New Drug Counters Alcohol Intoxication</td>
</tr>
<tr>
<td>1200 Age Factors Loom in Parkinsonian Research</td>
</tr>
<tr>
<td>1202 The Universe in Depth</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1203 Optical Experiments and Weak Interactions: M.-A. Bouchiat and L. Pottier</td>
</tr>
<tr>
<td>1211 Deregulation: Causes and Consequences: E. E. Bailey</td>
</tr>
<tr>
<td>1217 The Molecular Basis of Erythrocyte Shape: A. Elgsæter, B. T. Stokke, A. Mikkelsen, D. Branton</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>1225 Uplifted Marine Terraces Along the Alpine Fault, New Zealand: W. B. Bull and A. F. Cooper</td>
</tr>
<tr>
<td>1228 Polymorphism of Sickle Cell Hemoglobin Aggregates: Structural Basis for Limited Radial Growth: L. Makowski and B. Magdoff-Fairchild</td>
</tr>
<tr>
<td>1234 Estrogen Memory Effect in Human Hepatocytes During Repeated Cell Division Without Hormone: S.-P. Tam, R. J. G. Hâché, R. G. Deelley</td>
</tr>
</tbody>
</table>

---

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. 484460) paid at Washington, DC, and at an additional entry. Now combined with The Scientific Monthly® Copyright © 1986 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 $24, 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 $16 ($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 $.10 per page is paid directly to CCC, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/93$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 promoting public understanding and appreciation of the importance and promise of the methods of science in human progress.
Gerard Lawrence
President-elect
President
Chairman
Retiring President,

DECEMBER

William D.
William
Dorothy
Mildred
Mary

E.
E.Bloom
T.
Clutter
Nelkin
Langenberg
Carey
Dresselhaus

Bogorad
U

Allen Newell
Walter
James
Joseph
Ansley
William F.
Oliver E. Nelson
Solomon
David V.
Howard E. Simmons
Ruth
Leon
Robert M.

David Baltimore
William F. Brinkman
Asley J. Coale
Joseph L. Goldstein
James D. Idol, Jr.
Leon Knopff
Seymour Lipset
Walter Massey
Oliver E. Nelson
Allen Newell
Ruth Patrick
David V. Ragone
Vera C. Rubin
Howard E. Simmons
Solomon H. Snyder
Robert M. Scolow

Stephen P. Golf
Robert B. Goldberg
Patricia S. Goldman-Reic
Corey S. Goodman
Richard M. Held
Gloria Happrich
Eric F. Johnson
Konrad B. Krauskopf
Karl L. Magleby
Joseph B. Martin
John C. McGill
Allan Meister
Moritzin Maishkin
Peter Olson
Gordon H. Orians
John S. Pearse
Yeshayu Pocker
Jean Paul Reuel

Frederic M. Richards
James E. Rothman
Thomas C. Schelling
Ronald H. Schwartz
Stephen M. Schwartz
Otto T. Slobog
Robert T. N. Tien
Virginia Trimb
Geerat J. Vermeer
Martin G. Wager
Harold Weinstraub
Irving L. Weissman
George M. Whitesides
Owen N. Witte
William B. Wood
Harriet Zuckerman

Remnants of uplifted marine terraces are common in the Southern Alps of New Zealand (bottom). Individual (upper left picture) is collecting widely scattered beach pebbles from an exhumed 320,000-year-old shore platform (altitude 1620 meters) at the base of a degraded sea cliff. High ly rounded quartz pebbles (11 to 12 millimeters in diameter) from notched ridge crest have frosted surfaces and impact marks made in a high-energy sedimentary environment. See page 1225. [W. B. Bull, University of Arizona, Tucson, AZ 85721, and A. F. Cooper, University of Otago, Dunedin, New Zealand]