1324
Drugs from the sea

1321 & 1376
Shutdown for repairs

NEWS & COMMENT

Baring the Secrets of Asteroid Ida 1322
UN Readies New Global AIDS Plan 1312
Pig Transplants Offer Hope in Diabetes 1323
CDC Reorganization Prompts Concern 1313
Dropping Cholesterol—Safely 1323
LIGO's Price Rises as NSF Debates 1314
Chemical Prospectors Scour the Seas for 1324
Big-Ticket Items 1315
Promising Drugs

Step Taken Toward Improved
Policy Forum 1326
Vectors for Gene Transfer

The Next Steps Toward a Global 1335
ARTICLES

AIDS Vaccine

W. C. Koff

Massive Problem of Missing Dwarfs 1319
Diradicals: Conceptual, Inferential,
Hints of a Language in Junk DNA 1320
and Direct Methods for the Study of
New Link Found Between p53 and 1321
Chemical Reactions 1338
DNA Repair

Perspective

J. A. Berson

Latin America: A Personal Technology 1317
A Double Mass Extinction at the End
Transfer Effort in DNA Diagnostics 1318
of the Paleozoic Era

Cancer Researcher Returns Grant 1318
1340

S. M. Stanley and X. Yang

RESEARCH NEWS

Landslide in Slow Motion • Women in Academic
Massive Problem of Missing Dwarfs 1319
Medicine • History Slinks Science
Hints of a Language in Junk DNA 1320

GORDON RESEARCH CONFERENCES 1406

New Link Found Between p53 and 1321

BOOK REVIEWS

Chemical and Biological Research: J. E. Porter; K. W.
Massive Problem of Missing Dwarfs 1319
Gentle; G. N. Wilson • Career Issues: J. Quacken-
Hints of a Language in Junk DNA 1320
bush; G. A. Nelson; C. Holden; C. Hsu
New Link Found Between p53 and 1321

Scientists and the State, reviewed by P. Gummert • 1412
"Daddy's Gone to War," D. Elkind • A View of the
Step Taken Toward Improved
River, V. Baker • Vignettes • Books Received
Vectors for Gene Transfer

DEPARTMENTS

1301

THIS WEEK IN SCIENCE

1303

EDITORIAL

1305

LETTERS

1311

SCIENCESCOPE

1327

RANDOM SAMPLES

1328

PRODUCTS & MATERIALS

1411

Landslide in Slow Motion • Women in Academic
Medicine • History Slinks Science

GORDON RESEARCH CONFERENCES 1406

BOOK REVIEWS

Scientists and the State, reviewed by P. Gummert • 1412
"Daddy's Gone to War," D. Elkind • A View of the
River, V. Baker • Vignettes • Books Received

INSIDE AAAS 1417

PRODUCTS & MATERIALS 1418
The valleys and mountains shown (potential energy surface) describe the femtosecond journey of a chemical reaction: the addition of ethylene or cleavage of cyclobutane. The dynamics describe one of the most fundamental processes in chemistry—the making and breaking of a covalent bond. The transient structures are frozen on the femtosecond time scale, and their existence elucidates the non-concerted nature of the mechanism. See page 1359 and the Perspective on page 1338. [Illustration: S. Pedersen]