NEWS & COMMENT
The Klausner Revolution 1328
NCI: A Lab Scientist's View, From the Director's Office 1329
Pilot Study Teaches NSF Costly Lesson 1331
Japan's R&D Budget: Proposed Increases Follow 5-Year Plan 1332
South Africa: New Minister Picks Up the Baton
NASA Scales Back Science on Station 1333

RESEARCH NEWS
A New Look at Maternal Guidance 1334
Structure of Gene-Tag Protein Solved 1336
New Source Proposed for Most Common Meteorites 1337
Plants, Like Animals, May Make Use of Peptide Signals 1338
Probing Flowers' Genetic Past 1339
Viewing Velvet Worms in Amber 1340

DEPARTMENTS
THIS WEEK IN SCIENCE 1313
EDITORIAL 1319
The Reality of Science Funding
P. V. Domenici

LETTERS 1321
Teaching Evolution: J. Harvey; P. P. Craig; P. R. Gross; S. J. Madigan • Charges of Anti-Semitism: J. Hartung • Tobacco Research: One Researcher's Experience: F. Homburger • Chernobyl Analysis: E. E. Furvis III • Focus on Women: D. L. Brautigan; P. J. Brown

SCIENCESCOPE 1327

PERSPECTIVES
Coherent Exciton Waves 1351
D. Smoke
Airborne Particle Analysis for Climate Studies T. Peter
Refining the Taxonomy of Memory T. W. Robbins

RESEARCH ARTICLES
Superstructure Control in the Crystal Growth and Ordering of Urea Inclusion Compounds M. D. Hollingsworth, M. E. Brown, A. C. Hillier, B. D. Santarsiero, J. D. Chaney
Mantle Viscosity and Ice-Age Ice Sheet Topography
W. R. Peltier

REPORTS

AAAS Board of Directors
Rita R. Colwell
Retiring President, Chairman
Jane Lubchenco
President
Mildred S. Dresselhaus
President-elect
Sheila Jasanoff
William A. Lester Jr.
Simón A. Levin
Marcia C. Linn
Michael J. Novacek
Anna C. Roosevelt
Jean E. Taylor
Nancy S. Wexler

William T. Golden
Treasurer
Richard S. Nicholson
Executive Officer

1310

SCIENCE • VOL. 273 • 6 SEPTEMBER 1996
Mutants in complementary chromatic adaptation isolated from the filamentous cyanobacterium *Fremyella disphosphon*. Each of the four mutants shown has a lesion in a separate step of the signal transduction pathway controlling complementary chromatic adaptation and shows a different color during growth. The red cells (center, red mutants) are response regulator mutants, and the grayish colonies (upper left, black mutants) are defective in a sensor with similarity to plant phytochromes. See page 1409. [Image: Gregory O. Lam-Niemeyer]