NEWS & COMMENT

Quake Builds Case for Strong Codes 444
Area Universities Weather the Blow 444
An Unnerving Preview of a Northern California Quake? 445

Energy Laboratories: Report to Stress Research Over Close Ties to Industry 446
Space Science: Joint Japanese-German Mission Misfires 447
Clinicians Catch Top NIH Officials’ Attention 448
Scientific Misconduct: Federal Panel Recommends Universities Play Bigger Role 449
Smallpox: Virus Wins Stay of Execution 450
Italy: The Rise of the Technocrats 450

RESEARCH NEWS

Shedding Light on Blindness 452
Darker Clouds Promise Brighter Future for Climate Models 454

Researchers Broaden the Attack on Parkinson’s Disease 455
Quasars and a Dwarf Star Break the Rules in Tucson 456
Can We See E.T.’s Home? 457
Dendrimers: Dream Molecules Approach Real Applications 458
The T Cell Receptor Begins to Reveal Its Many Facets 459

PERSPECTIVES

An Intelligent Channel (and More) 473
M. Hofnung
Defects in the Barrier 474
D. Roop

ARTICLES

Domain Shapes and Patterns: The Phenomenon of Modulated Phases 476
M. Seul and D. Andelman
HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis, and Therapy 483
J. M. Coffin
Collage of domain shapes and patterns. The foreground figure illustrates a magnetic field-induced branching instability of a droplet in a thin layer of ferrofluid. The color graduation illustrates the evolution of the droplet’s shape, and contours of successive intermediate states are superimposed. The background shows an ordered “bubble” domain pattern, recorded in a thin magnetic garnet film in the presence of a small magnetic field. See page 476. [Illustration: M. Seul and S. Cullerton. Foreground adapted from computer simulations of D. P. Jackson, R. E. Goldstein, and A. O. Cebers]
This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/267/5197

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl