Policy Forum

Marine Sciences in the Coming Decades
C. Wunsch

News & Comment

Genome Project Goes Commercial
NIH to Appeal Patent Decision

National Institutes of Health:
Gene Therapists Jump Ship...
...Top AIDS Official to Leave

UC Berkeley Embroiled in Computer Software Lawsuit

Wake-Up Call for Sleep Research

Research News

New Superconductors: A Slow Dawn
HTS Film-Makers Look for a Happy Ending
Ceramic Superconductors, Warts and All

Carbon Monoxide: Killer to Brain
Messenger in One Step

Departments

This Week in Science

Editorial
Basic Research (1)

Letters

NASA Asteroid Report: J. D. G. Rather
Knuckle-Walking Ancestors: B. T. Shea and S. E. Inouye; D. R. Begun
Conservation: Should Drug Companies Share in the Costs?: T. Eisner and I. Chapela
Alliteration Accidental?: T. J. Volk

ScienceScope

Random Samples

New EC Research Commissioner • Radar Spies
Second Dumbbell Asteroid • Another Bad Break
for Dante • TB Funding

Book Reviews

Complexity: The Emerging Science at the Edge of Order and Chaos and Complexity: Life at the Edge of Chaos, reviewed by L. G. Harrison
Ivory Dipyrrhium Sundals, 1570–1750, B. R. Goldstein
Two-Dimensional Crystals, D. P. DiVincenzo
Environmental Physiology of the Amphibians, C. Carey • Vignettes: Retelling • Books Received

Products & Materials

AAAS Board of Directors

Leon M. Lederman
Ronald President, Chairman
F. Sherwood Rowland
President
Eliseo E. Clark
President-elect
Mary Ellen Avery
Executive Officer

Board of Reviewing Editors

Florence P. Hassetine
Alan Schriekeim
Jeanne M. Shreve
Chang-Lin Tien
Warren M. Washington
William T. Golden
Richard S. Nicholson
Executive Officer

John Abelson
Frederick W. Alt
Don L. Anderson
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Henry R. Borne
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennie W. Choi

John M. Coffin
Bruce F. Elridge
Paul T. England
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozard
Victor R. Fuchs
Theodore H. Gebeke
Margaret J. Gellin
John C. Gerhart
Roger I. M. Glass

Stephen P. Goff
Gerry S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kosslyn
Michael LaBarbera
Charles S. Levinson III
Harvey F. Lodish
Richard Losick
Anthony R. Means

Mortimer Mishkin
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pinn
Yoshitugu Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
Erick Russelabh
Ronald H. Schwartz

Terence J. Sejnowski
Thomas A. Steitz
Richard F. Thompson
Robert T. N. Tjan
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Zeno Werb
George M. Whitesides
Owen N. Witte
Keith Yamamoto

Science Scope

Space shuttle as ultraviolet observatory

Space Shuttle Mission

A. F. Davidson

Seventeenth-century ivory sundial

387

15 January 1993

Volume 259

Number 5093

ISSN 0036-8075

American Association for the Advancement of Science

Science • Vol. 259 • 15 January 1993

286
Fractal pattern formed by small particles floating on a fluid undergoing complicated motion. High particle density (yellow-blue) indicates regions of past compressive surface flow or downwelling. Low particle density (black-red) indicates past upwelling. The pattern geometrically summarizes the long-term, chaotic behavior of typical elements of the fluid surface; it is the strange attractor of a random dynamical system. See page 335. [Image: John C. Sommerer]