NEWS & COMMENT

A Showdown Over Gene Fragments 208
NIH in Danger of Losing Out on
BRCA1 Patent 209

Hitting the President's Target Is Mixed Blessing for Agencies 211

Breast Cancer: Army Does Out Its First
$210 Million 212

Visionaries Swap Pointers on Star Flight 212

Toxic Dispute Costs Stanford $1 Million 213

Environmental Policy: California Report
Sets Standard for Comparing Risks 214

RESEARCH NEWS

Laser Chemistry: The Light Choice 215

Antarctic Ozone Hole Fails to Recover 217

Will a New Type of Drug Make
Memory-Making Easier? 218

New African Dinosaurs Give an Old
World a Novel Look 219

Averaged Brains Pinpoint a
Site for Schizophrenia 221

PERSPECTIVES

Sonoluminescence 233
L. A. Crum and R. A. Roy

Flu Virus Invasion: Halfway There 234
C. M. Carr and P. S. Kim

ARTICLE

Crustal Architecture of the Cascadia Forearc 237
A. M. Trehu, I. Asudeh, T. M. Brocher, J. H.
Luhtegert, W. D. Mooney, J. L. Nabelek, Y.
Nakamura

RESEARCH ARTICLE

A Designed Peptide Ligase for Total 243
Synthesis of Ribonuclease A with
Unnatural Catalytic Residues
D. Y. Jackson, J. Burnier, C. Quan, M. Stanley,
J. Tom, J. A. Wells

REPORTS

Effect of Noble Gas Doping in 248
Single-Bubble Sonoluminescence
R. Hiller, K. Weninger, S. J. Putterman, B. P.
Barber

DEPARTMENTS

THIS WEEK IN SCIENCE 197
EDITORIAL 199
Ahead of Schedule and On Budget
LETTERS 201
DNA Fingerprinting: D. L. Hartl and R. C.
Lewontin; W. S. Lovell; D. E. Koshyland Jr.; “Real-
World Experience” in Chemistry: L. A. Melton;
Assigning Research Projects: G. J. Vermeij; Con-
stant Caesar, Not Cassius: T. H. Jukes

SCIENCESCOPE 207
RANDOM SAMPLES 222
BOOK REVIEWS 307
Science Has No National Borders, reviewed by M. F.
Low; No Man’s Land, M. R. Fowlkes; Bison, J. H.
Shaw; Tracing the History of Eukaryotic Cells, C. W.
Birky Jr.; Vignettes; Books Received

PRODUCTS & MATERIALS 311

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Composite coastal zone color scanner image of the Western Ross Sea on 10 December 1978. An intense phytoplankton bloom (red shows the highest concentration of pigment and purple the lowest) is bounded by the Ross Ice Shelf (bottom, gray) and by annual sea ice along the Victoria Land coast (left, gray). This image begins a time series revealing that significant productivity begins in the late spring within the Ross Sea polynya and is thus likely greater than previously estimated. See page 261. (Image: Kevin Arrigo)