NEWS & COMMENT

Arguing Over Why Johnny Can’t Read 1896
Patent Award Stirs a Controversy 1899
Commotion Over E. coli Project 1899
Agency Merger Plan Faces High Hurdles 1900
Swedish Science: Political Spat Threatens Funding for Basic Research 1901
Asian Network Seeks Data Sharing 1902

RESEARCH NEWS

Switching On a Brilliant Light 1904
Taking a First Look at a T Cell Receptor 1906

When It Comes to Evolution, Humans Are in the Slow Class 1907
The Earliest Art Becomes Older—and More Common 1908
Earth’s Solid Iron Core May Skew Its Magnetic Field 1910
Pacific Warming Unsettles Ecosystems 1911
Hubble Glimpses a Hazy Day on Mars 1912

FRONTIERS IN MATERIALS SCIENCE

NEWS

Nonlinear Competition Heats Up 1918
Blue-Light Special 1920
Paving the Information Superhighway With Plastic 1921
Putting Proteins Under Glass 1922
ARTICLES
Formation of Glasses from Liquids and Biopolymers 1924

PERSPECTIVE

Hostile Landscapes and the Decline of Migratory Songbirds 1956
R. A. Askins

RESEARCH ARTICLE

Architectures of Class-Defining and Specific Domains of Glutamyl-tRNA Synthetase 1958

POLICY FORUM

Science: Opening the Next Chapter of Conservation History 1954
B. Babbitt

DEPARTMENTS

THIS WEEK IN SCIENCE 1885
EDITORIAL 1887
LETTERS 1889
SCIENCESCOPE 1895
RANDOM SAMPLES 1903
BOOK REVIEWS 2012
THE PALEOBIOGEOGRAPHY OF CHINA, reviewed by D. H. Erwin • THE MILKY WAY GALAXY AND STATISTICAL COSMOLOGY, 1890–1924, D. DeVorkin • MARINE MAMMALS AND THE EXXON VALDEZ, R. C. Helm • VINNETTES

PRODUCTS & MATERIALS 2017
QUARTERLY AUTHOR INDEX 2023

Board of Reviewing Editors

Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Pier Borst
Henry R. Bourne
Michael S. Brown
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
F. Fleming Crim
Paul J. Crutzen
James E. Dahlberg
Robert Desimone
Bruce F. Eldridge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozard
Klaus Friedrich
Theodore H. Geballe
John C. Gerhart
Roger L. Glass
Stephen P. Goff
Peter N. Goodfellow
Corey S. Goodman
Ira Herskowitz
Eric F. Johnson
Stephen M. Koshland
Michael LaBarbera
Nicole Le Douarin
Charles S. Lang
Alexander Levitzki
Harvey F. Lodish
Richard Losick
Reinhard Lührmann
Diane Mathis
Anthony R. Means
Shigetada Nakashima
Roger A. Nicoll
Stuart L. Pinn
Yehshuay Pocker
Denna A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
David C. Rubie
Erkki Ruoslahti
Gotthard Schatz
Jozef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Streyker
Robert T. N. Tjian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Arthur Weiss
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wolff
Molecular dynamics representations of two low-temperature amorphous states of water, which are characterized by different, incompatible short-range orderings of the molecules. The white spheres represent hydrogen and the red spheres oxygen. Polymorphism, important in biopolymers, is one of the most recently recognized features of the glassy state. See page 1938. Amorphous materials and glasses are the focus of a special section on Materials Science, which begins on page 1918. [Images: P. H. Poole, Dalhousie University, Halifax, Nova Scotia]