NEWS & COMMENT

New Fight Over Fetal Tissue Grafts
NIH: New Law Brings Affirmative Action to Clinical Research
NIH: Panel Proposes Guidelines for Industry
Japan: ERATO Grows Beyond Its Borders
A Strategic Message From Mikulski
A Costly Settlement Ends whistle-blower suit

RESEARCH NEWS

Mining Treasures From 'Junk DNA'
Embryology: Watching New Developments—Live
Archeology: Did Early Humans Reach Siberia 500,000 Years Ago?
Inertia: Does Empty Space Put Up the Resistance?
Math Attendees Find There's Life After Fermat Proof

POLICY FORUM

Nuclear Test Ban Monitoring:
New Requirements, New Resources
G. E. van der Vink and J. Park

PERSPECTIVES

Toward New Multi-Property Materials
Remodeling Schemes of Intracellular Pathogens
DNA Replication Origins in Animal Cells: A Question of Context?

ARTICLE

Verification, Validation, and Confirmation of Numerical Models in the Earth Sciences
N. Oreskes, K. Shrader-Frechette, K. Belitz

DEPARTMENTS

THIS WEEK IN SCIENCE
EDITORIAL
Reflections on the Environment
LETTERS
SCIENCESCOPE
RANDOM SAMPLES

91 REDITORIAL
593
599
606

BOOK REVIEWS

The Astonishing Hypothesis, reviewed by J. J. Hopfield
Understanding Scientific Prose, K. S. Thomson
Archibald Garrod and the Individuality of Man, J. V. Neel
Quantum Well Lasers, K. Vahala
Vignette & Reprints of Books Previously Reviewed
Books Received

PRODUCTS & MATERIALS

703

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd D. Bloom
Piet Borst
Michael S. Brown
Henry R. Bourne
James J. Bull
Kathleen Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Critser
Robert Desimone
Nicole Le Douarin
Bruce F. Eldridge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fenton
Harry A. Fozard
K. Friedrich
Theodore H. Geibl
Margaret J. Geller
John G. Gerhart
Roger I. M. Glass
Stephen P. Gold
Peter N. Goodfellow
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kasselyn
Michael LaBarbera
Charles S. Levinson III
Alexander Levitzki
Harvey F. Lodish
Richard Losick
Diane Mathis
Anthony R. Means
Shigetada Nakanishi
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pimm
Yeshayahu Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
Erikku Ruusulahti
David C. Rubie
Gottfried Schatz
Josef Schell
Ronald H. Schwartz
Terence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Styrsky
Richard F. Thompson
Robert T. N. Tjian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harald Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Keith Yamamoto

Downloaded from http://science.sciencemag.org on June 4, 2017
A platinum replica revealing the cytoplasmic face of a phagosome containing a mycobacterium. The phagosome was isolated from a bone marrow-derived murine macrophage, fixed in glutaraldehyde, and frozen on a liquid helium-cooled copper block before freeze-drying and rotary replication. The photomicrograph was scanned and colorized with Adobe Photoshop. See page 678 and the Perspective on page 637. [Photomicrograph: David G. Russell]
Editor's Summary

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/263/5147

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