EDITORIAL
1042 Governance of Both Poles
Albert Grimaldi

NEWS OF THE WEEK
1046 Yes, There’s Ice on the Moon—but How Much, and What Use Is It?
1046 Belt-Tightening Could Claim Some Scientific Scalps
1047 Galactic Glare Reveals Birthplace of Cosmic Rays
>> Report p. 1080
1048 Splitting the Difference Between Oil Pessimists and Optimists
1049 Clean Pigs Offer Alternative to Stem Cell Transplants
1049 From Science’s Online Daily News Site
1050 University Head Zhu Qingshi Challenges Old Academic Ways
1051 Research Centers Promise a Break on Medical Patents in Developing Countries
1051 From the Science Policy Blog

NEWS FOCUS
1052 Eco-Alchemy in Alberta
>> Science Podcast
1056 Better Homes and Hearths, Neandertal-Style
Did Neandertals Dine In?
1058 Ninth International Plant Molecular Biology Congress
Chloroplast Shuffle
Steak With a Side of Beta-Glucans
A Question of Balance

LETTERS
1060 Getting His Goat
S. Levay
Cell Therapy Ahead for Parkinson’s Disease
O. Isacson

CORRECTIONS AND CLARIFICATIONS
1062

BOOKS ET AL.
1063 The Age of Empathy
F. de Waal, reviewed by J. J. Bolhuis
1063 The Mathematics of Sex
S. J. Ceci and W. M. Williams, reviewed by R. T. Miller

POLICY FORUM
1065 New Science for Chemicals Policy
M. R. Schwarzman and M. P. Wilson

PERSPECTIVES
1067 Monitoring Earth’s Critical Zone
D. deB. Richter Jr. and M. L. Mobley
1068 The Hotter the Engine, the Better
J. H. Perepezko
1070 Hydrate Molecular Ballet
P. G. Debenedetti and S. Sarupria
>> Report p. 1095
1071 Solving the Maze
C. Feuillet and K. Eversole
>> Brevia p. 1078; Reports pp. 1112, 1115, and 1118
1072 Mega Faunal Decline and Fall
C. Johnson
>> Report p. 1100

REVIEW
1074 Controlling the Velocity of Light Pulses
R. W. Boyd and D. J. Gauthier

CONTENTS continued >>

COVER
An ear of Zea mays (maize) shows color variation among kernels. Maize is one of the most important crop species worldwide, a vital source of food and fuel, and a valuable model organism for genetic research. Reports starting on pages 1112 and 1115 describe the genome sequences of the B73 and Palomero Toluqueño varieties. See also the related Report (p. 1118), Brevia (p. 1078), and Perspective (p. 1071).
Photo: Kate Mathis/Getty Images

DEPARTMENTS
1040 This Week in Science
1043 Editors’ Choice
1044 Science Staff
1045 Random Samples
1131 New Products
1132 Science Careers