NEWS & COMMENT

Trial Set to Focus on Peer Review 1162
All Together for Quantum Computing 1164
Australia: Science Holds On in New Budget 1165
DOE Gives $47 Million for Core Research 1165
Chess: Web Pits One Against the World 1166
Russian Science: New R&D Chief Asserts His Authority 1167
New ‘Basic Research’ Chief at NIH 1167

RESEARCH NEWS

Debating the Big Questions 1168
Protein Builds Second Skeleton 1170
Drug’s Link to Genes Reveals Estrogen’s Many Sides 1171
Three-Dimensional Images Are Conjured in a Crystal Cube 1172

DEPARTMENTS

THIS WEEK IN SCIENCE 1149
EDITORIAL 1153
HMOs and AHCS—In Defense of Town and Gown R. T. Rubin 1155
LETTERS
Redundant Genome Sequencing? J. E. Davies • Electrons and Sex: P. Abramson and S. D. Pinkerton • Predicting Career Success: M. O’Brecht and H. Friesen • Science: The Broader Context: A. Fausto-Stirling; M. Shodell; P. T. Macklem; A. Scheinman

RANDOM SAMPLES 1177
The Next Hawaiian Island? • Stalling Gangrene With Gene Therapy • Trade Skirmish Hobbles Modelers

BOOK REVIEWS 1178
Zapotec Civilization, reviewed by R. N. Zeitlin • Molecular Basis of Virus Evolution, D. M. Hillis • Also Noteworthy • Books Received

AAAS NEWS & NOTES 1243
PRODUCTS & MATERIALS 1247
Identification of an Estrogen
Response Element Activated by Metabolites of 17β-Estradiol and Raloxifene
N. N. Yang, M. Venugopalan, S. Hardikar, A. Glasebrook

Tourette Syndrome: Prediction of Phenotypic Variation in Monozygotic Twins by Caudate Nucleus D2 Receptor Binding

KUZ, a Conserved Metalloprotease-Disintegrin Protein with Two Roles in Drosophila Neurogenesis
J. Rooke, D. Pan, T. Xu, G. M. Rubin

Modulation of Virulence Factor Expression by Pathogen Target Cell Contact
J. Pettersson, R. Nordfelt, E. Dubinina, T. Bergman, M. Gustafsson, K. E. Magnusson, H. Wolf-Watz

Induction of Gene Expression in Escherichia coli After Pulsus-Mediated Adherence
J. P. Zhang and S. Normark

Pycnodysostosis, a Lysosomal Disease Caused by Cathepsin K Deficiency
B. D. Gelb, G.-P. Shi, H. A. Chapman, R. J. Desnick

A Protein Farnesyl Transferase Involved in Abscisic Acid Signal Transduction in Arabidopsis
S. Cutler, M. Ghassemian, D. Bonetta, S. Cooney, P. McCourt

CD2: An Exception to the Immunoglobulin Superfamily Concept?
S. J. Davis and P. A. van der Merwe; E. L. Reinherz, J. Li, A. Smoljar, D. F. Wyss, M. H. Knoppers, K. J. Willis, A. R. N. Arulandam, J. S. Choi, G. Wagner

Surface displacement since the 1992 Landers, California, earthquake obtained by interferometric processing of ERS-1 satellite radar images. Maximum range displacement of ~5 cm (blue through red to green) is localized in step-overs of the 1992 surface break, from lower right to upper left. Such deformation may be caused by pore fluid flow as pore pressure gradients induced by the earthquake deformation dissipate. Image width is ~40 km. See page 1202 and the Perspective on imaging on page 1181. [Image: Courtesy of the Jet Propulsion Laboratory]