1487 This Week in Science

Editorial
1489 Science Advice to the President

Letters

News & Comment
1497 Conflict of Interest Eyed at Harvard
1499 NIH Panel Finds No Fraud in Cell Paper but Cites Errors “Fifth Force” Update: More Tests Needed
1500 UCSF Wins Round in Fight over Lab DOE's Guide to Weapons Plant Spills
1501 Furor in Fusion Labs
1502 Gene Transfer Test Back on Track AIDS Mice Die in NIH Accident
1503 Marine Mammals Join the Navy

Research News
1505 Which Clot-Dissolving Drug Is Best?
1507 Computer Search Solves an Old Math Problem
1508 Extinction Imminent for Native Plants
1509 Sex and Violence in Neuroscience: Sex Hormones Linked to Task Performance \( \text{\textcopyright} \) More Dimensions for Glutamate Toxicity \( \text{\textcopyright} \) Cells Commit Suicide Without Growth Factors
1511 New Active Faults in L.A.

Articles
1513 The Global Impact of the Chernobyl Reactor Accident: L. R. Anspaugh, R. J. Catlin, M. Goldman
1519 Chemistry of High-Temperature Superconductors: A. W. Sleight

Research Articles

Reports
1535 The Isotopic Composition of Methane in Polar Ice Cores: H. Craig, C. C. Chou, J. A. Welhan, C. M. Stevens, A. Engelkeime
1539 Dynamics of a Second-Order Phase Transition: \( \text{\textcopyright} \) PT to \( \text{\textcopyright} \) Phase Transition in Anorhite, \( \text{\textcopyright} \) Al2Si2O6: S. Ghose, G. Van Tendelloo, S. Ameling
Three stages in the embryogenesis of the ascidian Boltenia villosa. Upper left: fertilized egg, 30 minutes after sperm penetration. The endogenous orange pigment, which was uniformly distributed in the unfertilized egg, has formed a cap at the vegetal pole. Center: two-cell stage, 120 minutes after fertilization. Lower right: gastrula, 13 hours after fertilization. The pigment has segregated into muscle-lineage cells, which line the posterior rim of the blastopore. See page 1572. [L. Simoncini, M. L. Block, W. J. Moody, Department of Zoology, University of Washington, Seattle, WA 98195]

1544 Translation of Unspliced Transcripts After Heat Shock: H. J. Yost and S. Lindquist
1551 Competitive Inhibition of hsp70 Gene Expression Causes Thermosensitivity: R. N. Johnston and B. L. Kucey
1554 Unexpectedly High Levels of HIV-1 RNA and Protein Synthesis in a Cytocidal Infection: M. Somasundaran and H. L. Robinson
1557 Human T Cell Leukemia Viruses Use a Receptor Determined by Human Chromosome 17: M. A. Sommerfelt, B. P. Williams, P. R. Clapham, E. Solomon, P. N. Goodfellow, R. A. Weiss
1559 A DNA Binding Protein Regulated by IL-4 and by Differentiation in B Cells: M. Boothby, E. Gravallese, H.-C. Liou, L. H. Glumcher
1570 The elav Gene Product of Drosophila, Required in Neurons, Has Three RNP Consensus Motifs: S. Robinow, A. R. Campos, K.-M. Yao, K. White
1572 Lineage-Specific Development of Calcium Currents During Embryogenesis: L. Simoncini, M. L. Block, W. J. Moody
1578 Evidence That the M2 Membrane-Spanning Region Lines the Ion Channel Pore of the Nicotinic Receptor: R. J. Leonard, C. G. Labarca, P. Charnet, N. Davidson, H. A. Lester

Book Reviews

1583 Sexual Selection, reviewed by R. Gibson • The Cold Light of Dawn, D. E. Osterbrock • Superstrings, B. Ovrut • Some Other Books of Interest • Books Received

Products & Materials

1588 Imaging Workstation • Electrophoretic Power Supplies • Immobilized Recombinant Protein G • Plotting Software • Nucleic Acid Photodocumentation System • Amino Acid Analyzer • Cytometer • Literature
242 (4885)

Science 242 (4885), 1487-1588.

ARTICLE TOOLS
http://science.sciencemag.org/content/242/4885

PERMISSIONS
http://www.sciencemag.org/help/reprints-and-permissions

Use of this article is subject to the Terms of Service

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title Science is a registered trademark of AAAS.