This Week in Science

Editorial

1529 Interview with a Risk Expert

Letters


News & Comment

1532 Flying the Electric Skies ■ Who’s Minding the Cockpit?
1535 South Carolina Blocks Test of Rabies Vaccine
1536 Wanted: 675,000 Future Scientists and Engineers
1538 Another Congressional Look at Fraud
   Sun Dagger Misses Its Mark
   19 Say No to NIH Job

Research News

1539 “Dangerous” Liaisons in Cell Biology
1540 Old Technique, New Luck
1541 Nyos, the Killer Lake, May Be Coming Back
1542 Flurry of Quakes in L.A.
1543 Genome Planners Fear Avalanche of Red Tape
1544 What Makes Bigger Brains?
   There Is Weather on Neptune

Articles

1545 U.S. Transit Subsidy Policy: In Need of Reform: M. Wachs
1550 Cetaceans: B. Wörig

Research Articles

COVER An arctic ground squirrel, Spermophilus parryii, newly emerged from its hibernaculum in Alaska. During hibernation, arctic ground squirrels spontaneously and reversibly adopt core body temperatures as low as −2.9°C without freezing. See page 1593. [Photo by Steve Moffitt, Department of Biology and Wildlife, University of Alaska, Fairbanks, AK 99775]

Reports


1569 The Design and Catalytic Properties of a Simplified Ribonuclease P RNA: D. S. Waugh, C. J. Green, N. R. Pace

1571 Repeat-Induced G-C to A-T Mutations in Neurospora: E. B. Cambareri, B. C. Jensen, E. Schabtach, E. U. Selker

1575 Cloning of Breakpoints of a Chromosome Translocation Identifies the AN2 Locus: M. Gessler, K. O. J. Simola, G. A. P. Bruns

1578 The Molecular Basis of Muscular Dystrophy in the mdx Mouse: A Point Mutation: P. Scicinski, Y. Geng, A. S. Ryder-Cook, E. A. Barnard, M. G. Darlison, P. J. Barnard

1580 Spatial Selectivity of Rat Hippocampal Neurons: Dependence on Preparedness for Movement: T. C. Foster, C. A. Castro, B. L. McNaughton

1582 Activation of Salivary Secretion: Coupling of Cell Volume and [Ca2+]i in Single Cells: J. K. Foskett and J. E. Melvin

1585 Production of Mammastatin, a Tissue-Specific Growth Inhibitor, by Normal Human Mammary Cells: P. R. Ervin, Jr., M. S. Kaminski, R. L. Cody, M. S. Wicha

1587 Switching of Neuron from One Network to Another by Sensory-Induced Changes in Membrane Properties: S. L. Hooper and M. Moulin

1589 Taxonomic Differences in the Scaling of Brain on Body Weight Among Mammals: M. D. Pagel and P. H. Harvey

1593 Freeze Avoidance in a Mammal: Body Temperatures Below 0°C in an Arctic Hibernator: B. M. Barnes

Book Reviews

1596 Lewis M. Terman and Schools as Sorters, reviewed by R. E. Fancher ■ Gondwana and Tethys, G. D. Stanley, Jr. ■ Formation and Evolution of Low Mass Stars, A. P. Boss ■ Cell Movement, R. J. Leslie ■ Books Received

Author Index to Volume 244 is found on pages I–X. Information for Contributors is found on XI–XII.