511 This Week in Science

Editorial

513 Job Application

Letters

514 PCR Amplification of Specific Alleles: S. S. SOMMER • The Madfly in California: H. J. VOS • S. H. SAUL; J. R. CAREY • Transmittal of Hepatitis C: P. D. MINTZ • Heat of Fusion in the Hydrophobic Effect: J. Bello

ScienceScope

523 NSF takes aim at Mosaic; up, up, and away with the science committee; etc.

News & Comment

524 Germany’s Gene Law Begins to Bite • No Place for Nonconformists
526 Asian Gypsy Moth Jumps Ship to United States
527 Space Scientists Heed Call to Set Priorities • Solar Observatory Gets Lost in the Shuffle
528 Anti-Cancer Drug IL-2 May Finally Be Approved
529 NIH’s Vision Runs into Political Reality • NIH’s Slimmed-Down Strategy

Research News

531 Determining What Immune Cells See • New Theory of Diabetes Etiology Riles Immunologists
534 Acoustic Fridge Takes to Space
535 Priming the Brain’s Language Pump
536 The Hubble Telescope Stars in Atlanta: Are Globular Clusters Born in Galactic Collisions? • New Strategy in the Hunt for Black Holes
537 CBN Ball, Anyone?
538 Briefings: SOS From Russian Scientists • Alcoholism: Modest Role Seen for Genes • MIT High Tech Goes After America’s Cup • Another Stanford Resignation • Rat and Mouse Care • Homosexuality and Cognition • Shock Therapy Helps Kill Cancer Tumors

Articles

556 Working Memory: A. BADDELEY
560 Stability of the Astronomical Frequencies Over the Earth’s History for Paleoclimate Studies: A. BERGER, M. F. LOUTRE, J. LASKAR
566 In What Sense Is Turbulence an Unsolved Problem?: M. NELKIN
Research Article


Reports

581 Natural Vegetation as a Source or Sink for Atmospheric Ammonia: A Case Study: A. O. Langford and F. C. Feisenfeld


586 Effects of High Temperature on Silicate Liquid Structure: A Multinuclear NMR Study: J. F. Stebbins and I. Farnan


592 Chemical Signals from Host Plant and Sexual Behavior in a Moth: A. K. Raina, T. G. Kingan, A. K. Matteo

594 Ordered Self-Assembly of Polypeptide Fragments to Form Nativelike Dimeric trp Repressor: M. L. Tasayo and J. Carey

597 Toward a Dynamical Structure of DNA: Comparison of Theoretical and Experimental NOE Intensities: J. M. Withka, S. Swaninnathan, J. Srinivasan, D. L. Beveridge, P. H. Bolton

600 Regulation of Adenyl Cyclase from Paramerium by an Intrinsic Potassium Conductance: J. E. Schultz, S. Klumpp, R. Benz, W. J. C. Schürhoff-Goeters, A. Schmid

603 The Son of sevenless Gene Product: A Putative Activator of Ras: L. Bonfini, C. A. Karlovich, C. Dasgupta, U. Banerjee

606 Linguistic Experience Alters Phonetic Perception in Infants by 6 Months of Age: P. K. Kuhl, K. A. Williams, F. Lacerda, K. N. Stevens, B. Lindblom

Book Reviews

613 Vitamin C and Cancer, reviewed by U. Segerstråle  ■ Deep-Sea Biology, C. L. Van Dover  ■ Latin American Mammalogy, T. H. Fleming  ■ Vignettes: AIDS Elsewhere  ■ Books Received