This Week in Science ...................................................... 931

LETTERS
NAS Exchange Agreement: J. T. Edsall; Arms Negotiations: W. R. Van Cleave; R. J. Smith. 934

EDITORIAL
A Good Word for Delusions. ................................. 943

ARTICLES
Torsional Oscillations of the Sun: H. B. Snodgrass and R. Howard .................. 945
The Mosaic Genome of Warm-Blooded Vertebrates: G. Bernardi et al. .......... 953
Expression of Plasmodium falciparum Circumsporozoite Proteins in Escherichia coli for Potential Use in a Human Malaria Vaccine: J. F. Young et al. ...... 958
The “Spliceosome”: Yeast Pre-Messenger RNA Associates with a 40S Complex in a Splicing-Dependent Reaction: E. Brody and J. Abelson ............... 963

NEWS AND COMMENT
European Physicists Push Alternative to SSC ........................................ 968
Deal Struck on NIH Grants ........................................ 970
Negotiators Report No Progress at Arms Talks .................................. 971
Briefing: Illinois Traces Cause of Salmonella Outbreak; Engineering “Crisis” Abating, Study Says; International Primate Campaign Launched .................. 972
Interior Slashes Offshore Oil Estimates ........................................ 974

RESEARCH NEWS
The Cytochrome P450’s and Their Genes ......................................... 975
More Progress in Messenger RNA Splicing ...................................... 977
Why Do Galaxies Exist? .................................................. 978
BOOK REVIEWS

Orphan Drugs, reviewed by H. G. Grabowski; The Pygmy Chimpanzee, W. Leutenegger; The Scientific Reinterpretation of Form, B. J. T. Dobbs; Books Received .................................................... 981

REPORTS

Role of Fault Bends in the Initiation and Termination of Earthquake Rupture: G. King and J. Nábělek .................................................... 984
A Model for a Seismic Computerized Alert Network: T. H. Heaton .................. 987
Adherent Bacterial Colonization in the Pathogenesis of Osteomyelitis: A. G. Grisrina et al. .................................................... 990
Immunogenicity of Synthetic Peptides from Circumsporozoite Protein of Plasmodium falciparum: W. R. Ballou et al. ............................ 996
A Catalytic RNA and Its Gene from Salmonella typhimurium: M. Baer and S. Altman .................................................... 999
The Stability of DNA in Human Cerebellar Neurons: D. N. Slatkin et al. .................. 1002
Involvement of Sialic Acid on Endothelial Cells in Organ-Specific Lymphocyte Recirculation: S. D. Rosen et al. .............................. 1005
Stimulation of Bone Resorption in Vitro by Synthetic Transforming Growth Factor–Alpha: K. J. Ibbotson et al. .......................... 1007
Selection for Increased Safety Factors of Biological Structures as Environmental Unpredictability Increases: R. B. Lowell. ......................... 1009
Floral Mimicry Induced by Mummy-Berry Fungus Exploits Host's Pollinators as Vectors: L. R. Batra and S. W. T. Batra ........................ 1011
Durability of the Accretion Disk of Millisecond Pulsars: F. C. Michel and A. J. Dessler .................................................... 1015

PRODUCTS AND MATERIALS

Calmodulin Products; Balances; Mass Spectrometry Data System; Data Storage Subsystem; Peptide Synthesizer; Chemical Reaction Cell; DNA Synthesizer; Literature .................................................... 1018

COVER

A solitary bee, Colletes validus, pollinating a blueberry flower. This specialized bee prefers Vaccinium to other hosts. See page 1011. [Suzanne W. T. Batra, U.S. Department of Agriculture, Beltsville, Maryland 20705]