LETrESS
Scientific Ties and Human Rights: C. B. Anfinsen et al.; Research Subjects:
Rights and Regulations: C. R. McCarthy; Camaraderie, Not
Animosity: H. A. McGee, Jr. ........................................ 854

EDITORIAL
National Science Foundation ........................................ 857

ARTICLES
Viroids: Structure and Function: T. O. Diener .................... 859
The Cosmic Microwave Background Radiation: R. W. Wilson .... 866

NEWS AND COMMENT
Local Option Affects U.S.-Soviet Exchanges ....................... 875
Westinghouse Sues NRC ............................................. 876
Syria Said to Suppress Archeological Data ......................... 878
Withholding Medical Treatment ..................................... 882
Briefing: Panel Says Synfuels Pose No CO₂ Hazard, for Now;
Sprinkler System Drowns Census Bureau Computers; Antinuclear
Rally Surveyed. ...................................................... 884

RESEARCH NEWS
Brain Peptides: Is Substance P a Transmitter of Pain Signals? ... 886

BOOK REVIEWS
Cultural Materialism, reviewed by B. G. Trigger; Minerals, Lands, and
Geology for the Common Defence and General Welfare: M. Sherwood;
Stars, S. E. Strom; Bioluminescence, K. H. Nealson ............ 890

REPORTS
The Double Quasar 0957+561: A Radio Study at 6-Centimeters Wavelength:
D. H. Roberts, P. E. Greenfield, B. F. Burke ...................... 894
Market Penetration Characteristics for Energy Production and Atmospheric Carbon
Dioxide Growth: J. A. Laurmann ..................................... 896
Dehydration of Ethanol: New Approach Gives Positive Energy Balance:  
M. R. Laidisch and K. Dyck .......................... 898

Water in Coal Pores: Low-Temperature Heat Capacity Behavior of the Moisture  
in Wyodak Coal: S. C. Mihan and D. F. Naas-O’Rourke ........... 901

Burial Rates, Growth Rates, and Size Distributions of Deep-Sea Manganese  
Nodules: G. R. Heath ................................ 903

Magnesium Interaction with the Surface of Calcite in Seawater:  
J. W. Morse et al. .................................... 904

Mating Preference and the Direction of Evolution in Drosophila:  
T. K. Watanabe and M. Kawabishi ......................... 906

Genes Coding for Histone Proteins in Man Are Located on the Distal End of the  
Long Arm of Chromosome ?: M. E. Chandler et al. ............... 908

Temperature Dependence of ADH-Induced Water Flow and Intramembranous  
Particle Aggregates in Toad Bladder: W. A. Kachadorian et al. .... 910

Müllerian Duct Regression in the Embryo Correlated with Cytotoxic Activity  
Against Human Ovarian Cancer: P. K. Donahoe et al. ................ 913

Trigeminal Ganglion Infection by Thymidine Kinase-Negative Mutants of Herpes  
Simplex Virus: R. B. Tenser, R. L. Miller, F. Rapp ................... 915

Digitalis Genin Activity: Side-Group Carbonyl Oxygen Position Is a Major  
Determinant: D. S. Fullerton et al. .......................... 917

Vascular Smooth Muscle Cell Kinetics: A New Assay for Studying Patterns of  
Cellular Proliferation in vivo: I. D. Goldberg et al .................. 920

Photosynthetic Marine Mollusks: In vivo 14C Incorporation into Metabolites of the  
Sacoglossan Placobranchus ocellatus: C. Ireland and P. J. Scheuer ...... 922

Memory Load and Event Rate Control Sensitivity Decrement in Sustained  
Attention: R. Parasuraman ................................ 924

Emergence of Interoceptive and Exteroceptive Control of Behavior in Rats:  
V. Haroutunian and B. A. Campbell .......................... 927

Cognitive Deficit Caused by Regional Depletion of Dopamine in Prefrontal  
Cortex of Rhesus Monkey: T. J. Brozoski et al. ..................... 929

Lithium Transport Across Red Cell Membrane: A Cell Membrane Abnormality in  
Manic-Depressive Illness: E. Dorus et al. .......................... 932

Bitter Taste of Saccharin Related to the Genetic Ability to Taste the Bitter  
Substance 6-n-Propylthiouracil: L. M. Bartoshak ..................... 934

Cytotaxins Alter the Sedimentation Behavior of Human Granulocytes:  
N. Catsimpoolas et al. .................................. 936