Response of Olfactory Bulb Neurons to X-rays as a Function of Nasal Oxygen Concentration: G. P. Cooper .......................................................... 1726
Spontaneous Rhythmic Contraction of Separated Heart Muscle Cells: S. Bloom ..... 1727
Somatovisceral Pathways: Rapidly Conducting Fibers in the Spinal Cord:
H. L. Fields and D. L. Winter ................................................. 1729
Persisting Circadian Rhythm of Cell Division in a Photosynthetic Mutant of Euglena: R. M. Jarrett and L. N. Edmunds, Jr. ....................... 1730
Senescence and Genetic Load: Evidence from Tribolium: R. R. Sokal ............... 1733
Aurintricarboxylic Acid and Initiation Factors of Wheat Embryo: A. Marcus,
J. D. Bewley, D. P. Weeks .................................................. 1735
Induction of Glutamine Synthetase in Embryonic Retina: Its Dependence on Cell
Interactions: J. E. Morris and A. A. Moscona ................................ 1736
Pineal Gland: Dibutyryl Cyclic Adenosine Monophosphate Stimulation of Labeled
Melatonin Production: D. C. Klein et al. ..................................... 1738
Habituation and Dishabitation of the Gill-Withdrawal Reflex in Aplysia:
H. Pinsker, I. Kuipfermann, V. Castellucci, E. Kandel ................................ 1740
Neuronal Correlates of Habituation and Dishabitation of the Gill-Withdrawal
Reflex in Aplysia: I. Kuipfermann, V. Castellucci, H. Pinsker, E. Kandel ........... 1743
Neuronal Mechanisms of Habituation and Dishabitation of the Gill-Withdrawal
Alkaloids from Catecholamines in Adrenal Tissue: Possible Role in Alcoholism:
G. Cohen and M. Collins .................................................. 1749
Physiological Effects of Transcendental Meditation: R. K. Wallace ....................... 1751
Paradoxical Sleep in Two Species of Avian Predator (Falconiformes):
J. A. Rojas-Ramírez and E. S. Tauber ....................................... 1754
Technical Comments: Search for an Effect of the Sun on the Frequency of
18-Centimeter Radiation: J. A. Ball et al.; Sunglint Patterns in Satellite
Pictures: E. P. McClain and A. E. Strong; C. J. Bowley and J. R. Greaves;
Mission to Martian Satellites: D. J. Milton .................................... 1755
Errata for the Moon Issue (30 January 1970) ..................................... 1758

MEETINGS

Fish Stocks: Biochemical and Serological Identification: A. E. Mourant;
Bioelectrical Impedance: L. A. Geddes; Inelastic Behavior of Solids:
M. F. Kanninen et al. .................................................. 1760

COVER

View of Washington Cathedral taken from the west end of the nave and showing the deviation of about 2
degrees of the nave axis from the axis of the choir at the east end. The architect intentionally designed this
deviation, one of many in the cathedral, to enhance the visual effect. See letter by R. T. Feller, page 1669.
Gary Laurish Photography, Washington, D.C.]