LETTERS
Catastrophe Theory: A Skeptic: H. J. Sussman; Modern Agrarianism: B. Hannon; Sociobiology and Scientific Debate: M. E. Clark; Interfering Satellite: E. Argyle et al. ............................................................. 820

EDITORIAL
How Fares Basic Science? ................................................................. 825

ARTICLES
The Mind’s Eye: Nonverbal Thought in Technology: E. S. Ferguson ........ 827
Animal Parthenogenesis: O. Cuellar ..................................................... 837

NEWS AND COMMENT
Ice Cream: Dairymen Imperiled by FDA’s Recipe ............................. 844
New ADAMHA Head Expected to Lead, Not Just Coordinate ............ 846
Moratorium for the Bowhead: Eskimo Whaling On Ice? ................... 847

RESEARCH NEWS
Amorphous Silicon: A New Direction for Semiconductors .................. 851
Viral Messenger Structure: Some Surprising New Developments ........... 853

BOOK REVIEWS
Soviet Sociology of Science, reviewed by Y. M. Rabkin; The African Buffalo, J. F. Eisenberg; The Biochemistry of Smooth Muscle, R. E. Davies; Books Received and Book Order Service ......................................... 856

ASSOCIATION AFFAIRS
AAAS Annual Elections ..................................................................... 859

REPORTS
Plant-Animal Mutualism: Coevolution with Dodo Leads to Near Extinction of Plant: S. A. Temple ......................................................... 885

Venous Gas Bubbles: Production by Transient, Deep Isobaric Counterdiffusion of Helium Against Nitrogen: B. G. D’Aoust et al. .................................................. 889

Carbon-13/Carbon-12 Ratio Is Relatively Uniform Among Honeys: L. W. Doner and J. W. White, Jr. .................................................. 891

Metastasis Results from Preexisting Variant Cells Within a Malignant Tumor: I. J. Fidler and M. L. Kripke .................................................. 893

Phi Bodies: Peroxidatic Particles That Produce Crystalloidal Cellular Inclusions: J. S. Hanker and D. K. Romanovicz .................................................. 895

Differentiating Limb Tissue Affects Neurite Growth in Spinal Cord Cultures: E. D. Pollack and V. Liebig .................................................. 899

Orthogenesis of the Hominids: An Exploration Using Biorthogonal Grids: F. L. Bookstein .................................................. 901

Liquid Chromatographic Analysis of Endogenous Cathexolamine Released from Brain Slices: P. M. Plotsky et al. .................................................. 904

Psoralen-DNA Photoreaction: Controlled Production of Mono- and Diadducts with Nanosecond Ultraviolet Laser Pulses: B. H. Johnston et al. .................................................. 906

Reye’s Syndrome: Patient Serum Alters Mitochondrial Function and Morphology in vitro: J. R. Aprille .................................................. 908

Alcohol Tolerance in a Cholinergic Nerve Terminal: Relation to the Membrane Expansion-Fluidization Theory of Ethanol Action: M. Curran and P. Seeman .................................................. 910

Synaptic Mechanism of Pentylenetetrazole: Selectivity for Chloride Conductance: T. C. Pellmar and W. A. Wilson .................................................. 912

Relaxin: A Disulfide Homolog of Insulin: C. Schwabe and J. K. McDonald .................................................. 914

A New Satellite of Saturn?: J. W. Fountain and S. M. Larson .................................................. 915

Quantitation of Dimethylnitrosamine in the Whole Mouse After Biosynthesis in vivo from Trace Levels of Precursors: D. P. Rownehler et al. .................................................. 917

PRODUCTS AND MATERIALS

Fluorometer; Data Processor for RIA; Water Quality Monitor; Sodium Potassium Analyzer; Impedance Rheograph; Uric Acid Analysis; Hemoglobin Oxygen Analyzer; Double-Beam Spectrophotometer; Literature .................................................. 920

COVER

In 1900, the “correct” (that is, ultimate) arrangement of motorcycle elements—engine (A), drive mechanism (C), fuel tank (J), and battery (H)—was neither self-evident nor deducible from scientific laws. Alternative arrangements had to be visualized and tried. By such tentative choices, technical designers ordain the shape of our man-made world. See page 827. [From W. W. Beaumont, Motor Vehicles and Motors, Westminster and Philadelphia, 1900]