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
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Venous Gas Bubbles: Production by Transient, Deep Isobaric Counterdiffusion of Helium Against Nitrogen: B. G. D'Aoust et al. ................. 889
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 Cathecholamine 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. Rounbehler 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 manmade world. See page 827. [From W. W. Beaumont, Motor Vehicles and Motors, Westminster and Philadelphia, 1900]
Editor's Summary

This copy is for your personal, non-commercial use only.

Article Tools  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/197/4306.citation

Permissions  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl