LETTERS
Lunar Studies: J. Coleman, Jr., et al.; Soviet Anti-Semitism; Reply by
Pontryagin: L. S. Pontryagin; Academic Ties with the Middle East;
V. Gregorian; Nutrition Program: N. Kretchmer and D. M. Hegsted;
Interferon: J. Vlček

EDITORIAL
Education for the 21st Century

ARTICLES
The Colorado Plateaus: Cultural Dynamics and Paleoenvironment:
R. C. Euler et al.

Economic Benefits from Research: An Example from Agriculture:
R. E. Evenson, P. E. Waggoner, V. W. Ruttan

NEWS AND COMMENT
Agricultural Network Fights Unwelcome Gift.

“Truth-in-Testing” Attracts Diverse Support

Briefing: Scientific American To Be Published in China; Surgeon General
Says Get Healthy, Eat Less Meat; Pop Nutrition Books Face Legal
Hurdles; Dollar-a-Gallon Gas Fuels Metric Conversion

Test Coaching Dispute Lingers

RESEARCH NEWS
How Is New Ocean Crust Formed?

BOOK REVIEWS
The Eighth Day of Creation, reviewed by E. J. Yoxen; The SALT Experience
and Arms Control and SALT II, G. H. Quester; The Outer Shores,
M. T. Ghiselin; The Nutrition of Aborigines in Relation to the
Ecosystem of Central Australia, N. Howell; Fundamental Problems
in Statistical Mechanics IV, R. F. Fox; Books Received.

REPORTS
Nitrous Oxide Emissions from an Irrigated Cornfield: G. L. Hutchinson and
A. R. Mosier
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Carbon-13 in Tree Rings Indicates No Record of Sea-Surface Temperature: F. MacIntyre ........................................... 1127
Giant Larvacean Houses: Observations from Deep Submersibles: E. G. Barham .................................................. 1129
The Viscous Sublayer at the Sea Floor: D. R. Caldwell and T. M. Chriss ............................................................ 1131
Gravitational Lens of the Sun: Its Potential for Observations and Communications over Interstellar Distances: V. R. Eshleman .......................................................... 1133
Enhanced 5-Fluorouracil Nucleotide Formation After Methotrexate Administration: Explanation for Drug Synergism: E. Cadman, R. Heimer, L. Davis .................................................. 1135
Molecular Cloning of Polyoma Virus DNA in Escherichia coli: Oncogenicity Testing in Hamsters: M. A. Israel et al. ........................................................................ 1140
Sporozoite-Induced Malaria: Therapeutic Effects of Glycolipids in Liposomes: C. R. Alving et al. ................................................. 1142
Determination of the Pore Size of Cell Walls of Living Plant Cells: N. Carpita et al. .......................................................... 1144
[125I]GABA Binding in Brains from Huntington’s Chorea Patients: Altered Regulation by Phospholipids?: K. G. Lloyd and L. Davidson .......................................................... 1147
Vibrations: Their Signal Function for a Spider Kleptoparasite: F. Vollrath .......................................................... 1149
Pharmacologic Effects in Man of a Potent, Long-Acting Dopamine Receptor Agonist: L. Lemberger and R. E. Crabtree ............................................................................ 1151
Genetic Variance in Nonverbal Intelligence: Data from the Kinships of Identical Twins: R. J. Rose et al. ................................................................................................................ 1153
The Cheetah: Native American: D. B. Adams ........................................................................................................ 1155
Regrowth of Severed Axons in the Neonatal Central Nervous System: Establishment of Normal Connections: K. Kalil and T. Reh ........................................................................... 1158
High-Speed Cinematographic Evidence for Ultrafast Feeding in Antennariid Anglerfishes: D. B. Grobecker and T. W. Pietsch ........................................................................... 1161
Plasma β-Endorphin Immunoreactivity in Schizophrenia: M. Ross, P. A. Berger, A. Goldstein ............................................................................................................. 1163

PRODUCTS AND MATERIALS

Growth Factor; Water Purification; Sampler for Respiratory and Metabolic Studies; Spectrophotometer; Total Exhaust Hood; Satellite-Controlled Clock; Fraction Collector; Literature ........................................................................ 1166

COVER

North American Pleistocene cheetah Acinonyx trumani. Reconstruction based on the living cheetah, Acinonyx jubatus, and skeletons of A. trumani from Natural Trap Cave, Wyoming. See page 1155. [Drawing by Dawn A. Adams]