LETTERS
Saccharin Controversy: J. G. Martin; Upwelling Agents?: P. A. Meyers; B. K. Hartline; “Retreading” Ph.D.’s: R. Roy; The “Monster” Proof: J. Alperin and S. Mac Lane

EDITORIAL
Public Doubts About Science: P. Handler

ARTICLES
No-Tillage Agriculture: R. E. Phillips et al.
Risks of Risk Decisions: C. Starr and C. Whipple

NEWS AND COMMENT
Ending Sex Discrimination in Academia
Briefing: Math Center Protests Army Contract Terms; NSF Searches for New Leaders; Oil Embargo Might Cost $270 Billion, CBO Reports
Fight Brewing over Reactor Fuel for India
Potential Bomb-Builders
Officials Debate Nuclear Policy Shift

RESEARCH NEWS
Coronary Artery Spasms and Heart Disease
FDA Says No to Anturane

AAAS NEWS
AAAS Annual Elections: Preliminary Announcement; Science Enrichment Programs to Include Handicapped Students; Reminder; New Releases from the Symposia Series; Fellowships Awarded; R&D Colloquium

BOOK REVIEWS
Seven Countries, reviewed by R. A. Stallones; The Historical Development of the Calculus, M. S. Mahoney; Scaling Concepts in Polymer Physics
Reports

Precipitation Chemistry Patterns: A Two-Network Data Set: D. H. Pack ............. 1143

The Striking Resemblance of High-Resolution G-Banded Chromosomes of Man and Chimpanzee: J. J. Yunis, J. R. Sawyer, K. Dunham ................... 1145

Oxygen Consumption and Cellular Ion Transport: Evidence for Adenosine Triphosphate to O2 Ratio Near 6 in Intact Cell: S. I. Harris, R. S. Balaban, L. J. Mandel ........................................ 1148

Intracellular Adhesion: Coconstruction of Contractile Heart Tissue by Cells of Different Species: A. C. Nag and M. Cheng .................................. 1150


Cholecystokinin Receptors in the Brain: Characterization and Distribution: A. Saito et al. .............................................................. 1155

Sex Ratio Adaptations to Local Mate Competition in a Parasitic Wasp: J. H. Werren ................................................................. 1157

Reactivation of Infant Memory: C. K. Rovee-Collier et al. .................................. 1159

Vertical Transmission of Acquired Ulcer Susceptibility in the Rat: N. J. Skolnick et al. ................................................................. 1161

Saccades Are Spatially, Not Retinocentrically, Coded: L. E. Mays and D. L. Sparks ................................................................. 1163

Synthesis of the Contingent Negative Variation Brain Potential from Noncontingent Stimulus and Motor Elements: J. W. Rohrbaugh et al. ........ 1165

Feeding Increases Dopamine Metabolism in the Rat Brain: T. G. Heffner, J. A. Hartman, L. S. Seiden .................................................. 1168

Opiate Receptor Function May Be Modulated Through an Oxidation-Reduction Mechanism: G. Marzullo and B. Hine ..................................... 1171

The Fetal Sound Environment of Sheep: S. E. Armitage, B. A. Baldwin, M. A. Vince ................................................................. 1173

Of Human Bonding: Newborns Prefer Their Mothers’ Voices: A. J. Decasper and W. P. Fifer ............................................................. 1174

Sea Anemone Neuromuscular Responses in Anaerobic Conditions: D. C. Mangum ................................................................. 1177

Antibody to Spermine: A Natural Biological Constituent: D. Bartos et al. ........ 1178

Acquisition of a Memory Skill: K. A. Ericsson, W. G. Chase, S. Faloon ............ 1181

Cover

Corn growing in a no-tillage system on a central Kentucky farm. The residue on the soil surface is a killed fescue sod. The topography is representative of land in no tillage in Kentucky. See page 1108. [William B. Mesner, Department of Public Information, College of Agriculture, University of Kentucky, Lexington]