LETTERS
Cholesterol Study: J. M. Hamilton; Achievement in Mathematics: J. Beckwith and M. Woodraff; J. D. Novak and D. R. Ridley; C. P. Benbow 1247

EDITORIAL
Commercial Biotechnology 1253

ARTICLES
Quasars and Gravitational Lenses: E. L. Turner 1255
Soluble Lectins: A New Class of Extracellular Proteins: S. H. Barondes 1259
Molecular Analysis of Ds Controlling Element Mutations at the Adhl Locus of Maize: W. D. Sutton et al. 1265

NEWS AND COMMENT
The Allure of High-Tech Weapons for Europe 1269
NASA Seeks European Space Partners 1273
Briefing: Mathematician Freed After 8 Years in Uruguay Prison; NAS Moves to Counter Creationist Challenge; Morawetz to Direct Math Institute; Edinburgh Sets Up Parapsychology Chair; Canada Goes It Alone on Acid Rain Controls; EPA Proposes Change in Air Pollutants Regulation; Sweden Boosts R & D Spending 1274
NSF Gets Up Steam on Drilling Program 1276

RESEARCH NEWS
Periodic Impacts and Extinctions Reported 1277
The Necessity of Knowledge 1279
Artificial Experts 1281

BOOK REVIEWS
Coastal Upwelling, reviewed by W. H. Berger; Solar and Stellar Magnetic Fields,
REPORTS

Rock Avalanches Caused by Earthquakes: Source Characteristics: D. K. Keefer. 1288

Biomass of Tropical Forests: A New Estimate Based on Forest Volumes: S. Brown and A. E. Lugo. 1290

Transformation and Cytopathogenic Effect in an Immune Human T-Cell Clone Infected by HTLV-I: H. Mitsuya et al. 1293

Heparin Affinity: Purification of a Tumor-Derived Capillary Endothelial Cell Growth Factor: Y. Shing et al. 1296

Total Synthesis and Cloning of a Gene Coding for the Ribonuclease S Protein: K. P. Nambari et al. 1299

Insulin Receptor Phosphorylation May Not Be a Prerequisite for Acute Insulin Action: I. A. Simpson and J. A. Hedo. 1301

Insulin: Carrier Potential for Enzyme and Drug Therapy: M. J. Poznansky et al. 1304

People with Absolute Pitch Process Tones Without Producing a P300: M. Klein, M. G. H. Coles, E. Donchin. 1306

Transfusion-Associated AIDS: Serologic Evidence of Human T-Cell Leukemia Virus Infection of Donors: H. W. Jaffe et al. 1309

Interferon-β–Related DNA Is Dispersed in the Human Genome: A. D. Sagar et al. 1312

Magnesium Deficiency and Hypertension: Correlation Between Magnesium-Deficient Diets and Microcirculatory Changes in situ: B. M. Altura et al. 1315

PRODUCTS AND MATERIALS

Large Batch Fermentors; Ion Analyzer; DNA Sequencing System; Chromatography Cartridge; Electrophoresis Unit; Preparative Electrochemistry; Spectrophotometers; Stereotaxis for Rats; Human Hybridoma Screening Reagents; Scientific Software; Glass pH Electrodes; Chromatography Data System; Gene Analysis System; Cuvette Stirling System; Osmometry Membranes; Water Triple Point Bath; Literature 1318

COVER

Rock avalanche in glacial cirque on Mount Baldwin near Mammoth Lakes, California, that occurred during the earthquake swarm of 25 to 27 May 1980. Slope above avalanche is 240 meters high. Rock avalanches have killed tens of thousands of people during historical earthquakes. These landslides are dislodged from steep, high slopes containing zones of relatively weak rock that are undercut by glacial or fluvial erosion. See page 1288. [D. K. Keefer, U.S. Geological Survey, Menlo Park, California 94025]