LETTERS

Contribution to the Ellipsoid Algorithm: L. Blum, P. Gács, L. A. Levin;
Confidentiality: Rights and Responsibilities: J. T. Edsall; Automotive
Research: R. Engler .............................................. 1318

EDITORIAL

Energy from Biomass ........................................... 1325

ARTICLES

Sensors, Controls, and Man-Machine Interface for Advanced Teleoperation:
A. K. Bejczy ......................................................... 1327

Expert and Novice Performance in Solving Physics Problems:
J. Larkin et al ....................................................... 1335

Technology Assessment, Soviet Style: T. Gustafson .................... 1343

NEWS AND COMMENT

Does Man Alone Have Language? Apes Reply in Riddles, and a Horse
Says Neigh ......................................................... 1349

U.S. Urged to Reprocess Nuclear Fuel ................................ 1352

Energy Forecasts: Sinking to New Lows ............................. 1353

Briefing: Spy Ship Got No Warning; Academy Says Curb on Cholesterol Not
Needed; DeVita to Head NCI .................................. 1354
RESEARCH NEWS

SS 433, What Are You? ................................................................. 1357
Carbon Budget Not So out of Whack ........................................... 1358

BOOK REVIEWS

Botany in China, reviewed by P. S. Ashton; Memory Organization and Structures, L. L. Jacoby; Developmental Biology of Prokaryotes, A. L. Sonenshein; Hydrophobic Interactions, D. Chandler; Books Received ........................................ 1361

REPORTS

Rare Gas Isotopes in Hawaiian Ultramafic Nodules and Volcanic Rocks: Constraint on Genetic Relationships: I. Kaneoka and N. Takaoka .......................... 1366
Stratospheric Sulfuric Acid Layer: Evidence for an Anthropogenic Component: D. J. Hofmann and J. M. Rosen .................................................. 1368
Spaceborne Imaging Radar: Monitoring of Ocean Waves: R. C. Beal ............................................................. 1373
Arctic Steppe-Tundra: A Yukon Perspective: L. C. Cwynar and J. C. Ritchie .... 1375
Beta-Adrenergic-Receptor Localization by Light Microscopic Autoradiography: J. M. Palacios and M. J. Kuhar .................................................. 1378
Hormone-Induced Sexual Differentiation of Brain and Behavior in Zebra Finches: M. E. Gurney and M. Konishi ............................................. 1380
Levels of Batrachotoxin and Lack of Sensitivity to Its Action in Poison-Dart Frogs (Phyllobates): J. W. Daly et al. .................................................. 1383

COVER

Complex radar backscatter patterns in a nearly calm region of the ocean located just outside the mouth of the Chesapeake Bay (taken on 28 September 1978 by Seasat Synthetic Aperture Radar). Horizontal dimension is equal to 100 kilometers; inherent resolution in both dimensions is 25 meters. See page 1373. [C. Wu, Jet Propulsion Laboratory, Pasadena, California]