LETTERS Oak Ridge Mercury: S. I. Auerbach; E. Marshall .................................................................................. 1338

EDITORIAL Women in Science: Lack of Full Participation: J. T. Bruer .................................................................. 1339

ARTICLES Rangeland Productivity and Exploitation in the Sahel: H. Breman and C. T. de Wit .................. 1341
Expression of a Platelet-Derived Growth Factor-Like Protein in Simian Sarcoma Virus Transformed Cells: T. F. Deuel et al. ................................................................. 1348

NEWS AND COMMENT UNIDO Hopes for Biotechnology Center ................................................................. 1351
Biotechnology Network Planned .................................................................................................................. 1352
The Commercialization of Space .................................................................................................................. 1353
Agricultural Genetics Goes to Court ............................................................................................................. 1355
Briefing: Congress’s Fancy Turns to Industrial Policy: Move to Bar Political Checks on Science Appointees; France Gives Research a Top Funding Priority; Investigation Confirms TMI Cleanup Problems; USDA Drops Landsat .......................................................... 1356

RESEARCH NEWS Catalysis in Solar Energy ...................................................................................................... 1358
Chemical Signals in the Immune System ...................................................................................................... 1362
Promising Animal Model for MS ................................................................................................................ 1364

BOOK REVIEWS Desertification and Development, reviewed by R. Dyson-Hudson; Mobile Genetic Elements, M. Calos; Ecological Genetics and Evolution, J. R. Powell; Quantitative Stratigraphic Correlation, B. W. Blackwelder; Books Received ................................................................. 1365
REPORTS

Predicting Eruptions at Mount St. Helens, June 1980 Through December 1982: D. A. Swanson et al. ................................. 1369


Deformation Monitoring at Mount St. Helens in 1981 and 1982: W. W. Chadwick, Jr. et al. .................................................. 1378

Eruption Prediction Aided by Electronic Tiltmeter Data at Mount St. Helens: D. Dzurisin, J. A. Westphal, D. J. Johnson .................. 1381


Sterespecific Action of Pyrethroid Insecticides on the γ-Aminobutyric Acid Receptor–Ionophore Complex: L. J. Lawrence and J. E. Casida ............... 1399


Cat Scratch Disease: A Bacterial Infection: D. J. Wear et al. ....................................................... 1403

Carbocyclic Arabinofuranosyladenine (Cyclaridine): Efficacy Against Genital Herpes in Guinea Pigs: R. Vince et al. ............................. 1405

Pregnancy Interception with a Combination of Prostaglandins: Studies in Monkeys: J. W. Wilks .................................................. 1407

Anisotropies in the Perception of Three-Dimensional Surfaces: B. J. Rogers and M. E. Graham ................................................. 1409

Territorial Bell Miners and Other Birds Affecting Populations of Insect Prey: R. H. Lown et al. .................................................. 1411

Is Cytosolic Ionized Calcium Regulating Neutrophil Activation?: T. Pozzan et al. .................................................. 1413

COVER

Tephra-laden plume (3.5 kilometers in height) being vented from Mount St. Helens’ lava dome on 9 June 1982, as seen from a ridge 7 kilometers to the north. A series of spectacular gas/ash emissions in May and June 1982 was probably driven by snowmelt percolating into the shallow feeder system; gases believed to have migrated from a depth of 9 to 11 kilometers earlier in 1982 may also have contributed to the forcing mechanism. See page 1391. [James Zollweg, University of Washington Geophysics Program, Seattle 98195]