LETTERS  Mosher's Expulsion from Stanford: S. W. Mosher; C. R. Barnett; I. L. Horowitz  

EDITORIAL  Chlorinated Dioxins  

ARTICLES  The Rotation of Spiral Galaxies: V. C. Rubin  
Inelastic Electron Tunneling Spectroscopy: S. K. Khanna and J. Lambe  
RNA Splice Site Selection: Evidence for a 5'→3' Scanning Model: K. M. Lang and R. A. Spritz  

NEWS AND COMMENT  Bugs in the Yellow Rain Theory  
Briefing: Lobbying Pays Off for Catholic U. and Columbia; Acid Rain Researchers Issue Joint Report; Xerox Scientist Joins DOD Supercomputer Program  
Clerics Urge Ban on Altering Germline Cells  
High-Tech Soviet Problems  
The Embarrassing Odyssey of Seveso’s Dioxin  
NSF, Do You Take NBS . . . ?  

RESEARCH NEWS  Trace Gases Could Double Climate Warming  
The Infrared Astronomy Satellite (I)  
Using Time to Measure Length  
Isotopes Give Clues to Past Diets  

BOOK REVIEWS  The Muses Flee Hitler, reviewed by D. A. Hollinger; Nature and Origin of Cretaceous Carbon-Rich Facies, D. J. Bottjer; The Neural Crest, J. A. Weston; The Molecular Biology of the Yeast Saccharomyces, H. Greer; Books Received  

Downloaded from http://science.sciencemag.org on April 13, 2017
REPORTS

Titan: Discovery of Carbon Monoxide in Its Atmosphere: B. L. Luiz, C. de Bergh, T. Owen .......................................................... 1374

Reversible Loss of Gravitropic Sensitivity in Maize Roots After Tip Application of Calcium Chelators: J. S. Lee, T. J. Mulkey, M. L. Evans .......................................................... 1375

Sighting of El Chichón Sulfur Dioxide Clouds with the Nimbus 7 Total Ozone Mapping Spectrometer: A. J. Krueger .......................................................... 1377


Atypical Pulmonary Thrombosis Caused by a Toxic Cyanobacterial Peptide: D. N. Slatkin et al .......................................................... 1383

Cell Polarity: Endogenous Ion Currents Precede and Predict Branching in the Water Mold Achlya: D. L. Kropf et al .......................................................... 1385

Sex Pheromone Biosynthesis in Trichoplusia ni: Key Steps Involve Delta-11 Desaturation and Chain-Shortening: L. B. Bjostad and W. L. Roelofs .................................. 1387

Suppressor T Cell Action Inhibits the Expression of an Excluded Immunoglobinul Gene: T. G. Parslow et al .......................................................... 1389

An Unusual Glucocerebroside in the Crustacean Nervous System: K. Shimomura et al .......................................................... 1392

Serum Factor Supporting Long-Term Survival of Rat Central Neurons in Culture: L. M. Kaufman and J. N. Barrett .......................................................... 1394

Simple Repeat Array in Epstein-Barr Virus DNA Encodes Part of the Epstein-Barr Nuclear Antigen: K. Hennessy et al .......................................................... 1396

Sucrose: A Constitutive Elicitor of Phytoalexin Synthesis: C. J. Cooksey et al .......................................................... 1398

Behavioral Disease in Rats Caused by Immunopathological Responses to Persistent Borna Virus in the Brain: O. Narayan et al .......................................................... 1401


Reverse Diel Vertical Migration: An Escape from Invertebrate Predators: M. D. Ohman, B. W. Frost, E. B. Cohen .......................................................... 1404

Accumulation of d-Aspartic Acid with Age in the Human Brain: E. H. Man et al .......................................................... 1407

Morphological Correlates of Differences in Pheromone Sensitivity in Insect Sensilla: R. J. O'Connell et al .......................................................... 1408

Technical Comments: Sea Spray Production from Bubbles: D. C. Blanchard and R. J. Cipriano; J. Wu .......................................................... 1410

COVER

Sulfur dioxide cloud from eruption of El Chichón appears as a yellow patch across southern Mexico in a false color total ozone map produced with the Nimbus 7 total ozone mapping spectrometer, 5 April 1982. The eruption on 4 April resulted in the 1-kilometer-wide crater shown in the insert photograph. The sulfur dioxide cloud was detected by its ultraviolet absorption at wavelengths used to measure total ozone. The blue area surrounding the volcanic cloud portrays the normal low total ozone found in the tropics. The ozone generally increases at higher latitudes as shown with red and brown colors. See page 1377. [Cover designed by Ronald J. Molter; insert photo, Robert M. Taylor; false color image, James A. Gatlin—all at NASA/Goddard Space Flight Center, Greenbelt, Maryland 20711]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/220/4604.citation

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl