A New Dimension in Gas Chromatography ........................................ 1570
Ion Beams for Compositional Analysis ............................................. 1571

BOOK REVIEWS
The Florida Scrub Jay, reviewed by J. D. Ligon; The Earth’s Magnetic Field, F. D. Stacey; Psychology in Utopia; M. A. Miller; Books Received .......... 1573

REPORTS
Ground Water as a Silica Source for Diatom Production in a Precipitation-Dominated Lake: J. P. Hurley et al. ........................................ 1576
Geologic Youth of Galápagos Islands Confirmed by Marine Stratigraphy and Paleontology: C. S. Hickman and J. H. Lipps ................................ 1578
Receptor-Mediated Transport of Insulin Across Endothelial Cells: G. L. King and S. M. Johnson ............................................................... 1583
Separation Techniques Based on the Opposition of Two Counteracting Forces to Produce a Dynamic Equilibrium: P. H. O’Farrell ................. 1586
On the Nature of a Defect in Cells from Individuals with Ataxia-Telangiectasia: M. N. Cornforth and J. S. Bedford ........................................ 1589
Isolation of the Gene for a Glycophorin-Binding Protein Implicated in Erythrocyte Invasion by a Malaria Parasite: J. V. Ravetch, J. Kochan, M. Perkins ............... 1593
Developmentally Controlled Expression of Immunoglobulin V\textsubscript{H} Genes: R. M. Perlmutter et al. ............................................ 1597
Plasma Homovanillic Acid Concentration and the Severity of Schizophrenic Illness: K. L. Davis et al. ................................................. 1601

Cover
View from a porthole on the research platform FLIP, looking out at one of the booms used to lower instrumentation into the ocean away from FLIP’s hull. Oceanographic instrumentation hangs down below the boom; meteorological instrumentation (including anemometers and solar radiometers) is mounted on the boom. See page 1552.
Jerry Dean, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543

American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
227 (4694)

Science 227 (4694), 1530-1603.

Use of this article is subject to the Terms of Service

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title Science is a registered trademark of AAAS.