<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editorial</td>
<td>573</td>
<td>The Process of Publication</td>
</tr>
<tr>
<td>Policy Forum</td>
<td>574</td>
<td>On Radiation, Paradigms, and Hormesis: L. A. Sagan</td>
</tr>
<tr>
<td></td>
<td>575</td>
<td>Are Radiation-Induced Effects Hormetic?: S. Wolff</td>
</tr>
<tr>
<td>Perspective</td>
<td>578</td>
<td>AIDS and IV Drug Use: D. C. Des Jarlais, and S. R. Friedman</td>
</tr>
</tbody>
</table>
Animal Experimentation:
B. P. Reines; N. D. Barnard
Shortage of Scientists: R. C. Atkinson |
| News & Comment      | 588  | Facing a Final Exam at Neptune                                                                 |
|                     | 590  | Making Transgenic Mice: Is It Really That Easy?                                                  |
|                     | 592  | Computer Engineer Turns Entrepreneur-in-Exile
Biologist Monitors Human Rights                     |
|                     | 593  | Estrogen Use Linked to Breast Cancer
New Rules on Misconduct                              |
| Research News       | 594  | Keeping Up with the Jonesawas                                                                   |
|                     | 595  | How the Grinch Stole Mathematics                                                                |
|                     | 596  | Supercomputer Market Needs Supersalesmen                                                        |
|                     | 598  | NCI Team Remodels Key AIDS Virus Enzyme                                                         |
|                     | 599  | Briefings: Bromley Confirmed; Hill Awaits Deputies
AZT for ARC
Plugging into the Pacific Ocean
Roe Plans Hearing on Fate of NIH Monkeys
Stars and the Greenhouse
Sex Secrets Safe |
| Articles            | 600  | The Growth of Japanese Science and Technology: F. Narin and J. D. Frame                          |
|                     | 605  | Ocular Dominance Column Development: Analysis and Simulation:
K. D. Miller, J. B. Keller, M. P. Stryker                                                        |
| Research Articles   | 616  | Conserved Folding in Retroviral Proteases: Crystal Structure of a Synthetic HIV-1 Protease:
| Reports             | 622  | Surface Discharges on Natural Dielectrics in the Solar System:
H. Campins and E. P. Krider                                                                      |
624 Nonequilibrium Molecular Motion in a Hypersonic Shock Wave:
G. PHAM-VAN-DIEP, D. ERWIN, E. P. MUNTZ

626 Synthesis of Organic Salts with Large Second-Order Optical Nonlinearities:
S. R. MARDER, J. W. PERRY, W. P. SCHAFFER

628 Scandinavian, Siberian, and Arctic Ocean Glaciation: Effect of Holocene
Atmospheric CO₂ Variations: D. R. LINDSTROM AND D. R. MACAYEAL

631 Neural Cadherin: Role in Selective Cell-Cell Adhesion: S. MIYATANI,
K. SHIMAMURA, M. HATTA, A. NAGAFUCHI, A. NOSE, M. MATSUNAGA,
K. HATTA, M. TAKEICHI

Three-Dimensional Solution Structure of a Single Zinc Finger DNA-Binding
Domain: M. S. LEE, G. PIPPERT, K. V. SOMAN, D. A. CASE, P. E. WRIGHT

638 Attraction of the Parasitic Mite Varroa to the Drone Larvae of Honey Bees by
Simple Aliphatic Esters: Y. LE CONTE, G. ARNOLD, J. TROUILLER, C. MASSON,
B. CHAPPE, G. OURISSON

640 Identification of a Zinc Finger Protein That Binds to the Sterol Regulatory
Element: T. B. RAJAVASHISTH, A. K. TAYLOR, A. ANDALIBI, K. L. SVENSON,
A. J. LUSIS

643 The Product of the mos Proto-Oncogene as a Candidate “Initiator” for Oocyte
Maturation: N. SAGATA, I. DAAR, M. OSKARSSON, S. D. SHOWALTER,
G. F. VANDE WOODE

646 Preferential Heterodimer Formation by Isolated Leucine Zippers from Fos and

648 NMDA Antagonists Differentiate Epileptogenesis from Seizure Expression in an in
Vitro Model: S. F. STASHEFF, W. W. ANDERSON, S. CLARK, W. A. WILSON

651 A Novel mRNA of the A4 Amyloid Precursor Gene Coding for a Possibly Secreted
Protein: F. DE SAUVAGE AND J.-N. OCTAVE

654 E. W. R. Steacie and Science in Canada: reviewed by: J. L. GRANATSTEIN ■ The
Mathematical Tourist and Incumerancy, L. LOEVINGER ■ Arguments on
Evolution, D. JABLONSKI ■ Some Other Books of Interest ■ Books Received

Book Reviews

Products & Materials

658 Microplate Washer ■ Custom Peptide Synthesis ■ Antibodies ■ CD-ROM
Chromatography Database ■ Spatial Imaging of Radioactive Samples ■ Incubator
for Blotting ■ Literature