BOOK REVIEWS

Saturn, reviewed by A. F. Cheng; The Microbe 1984, M. Schaechter and J. M. Coffin; Dear Lord Rothschild, S. J. Gould; The Barbary Macaque, A. A. Eudey; Biogeography and Ecology of the Seychelles Islands, L. G. Abele; Books Received .......................................................... 158

REPORTS

Phytoplankton Bloom Produced by a Receding Ice Edge in the Ross Sea: Spatial Coherence with the Density Field: W. O. Smith and D. M. Nelson ........ 163

Sea-Floor Hydrothermal Activity Links Climate to Tectonics: The Eocene Carbon Dioxide Greenhouse: R. M. Owen and D. K. Rea ............ 166

Plasmodium falciparum Malaria: Band 3 as a Possible Receptor During Invasion of Human Erythrocytes: V. C. N. Okoye and V. Bennett ........ 169

Trans-Acting Transcriptional Regulation of Human T-Cell Leukemia Virus Type III Long Terminal Repeat: J. Sodroski et al. ..................... 171

Sequence Homology and Morphologic Similarity of HTLV-III and Visna Virus, a Pathogenic Lentivirus: M. A. Gonda et al. ..................... 173

HTLV-III Infection in Brains of Children and Adults with AIDS Encephalopathy: G. M. Shaw et al. ............................................. 177

Targeted Modulation of Acute Inflammation: D. F. Ranney .................. 182


Do Frogs Communicate with Seismic Signals? E. R. Lewis and P. M. Narins .... 187


Dinoflagellate with Blue-Green Chloroplasts Derived from an Endosymbiotic Eukaryote: L. W. Wilcox and G. J. Wedemayer .................... 192

Evoked Mechanical Responses of Isolated Cochlear Outer Hair Cells: W. E. Brownell et al. ..................................................... 194

COVER

Computer-enhanced, light micrograph of a spleen tissue section containing microspheres (blue) consisting of albumin, magnetite, and an entrapped peptide messenger. The microspheres were injected intravenously and became localized in the spleen. Here, the release of the messenger results in attraction of blood neutrophils (red), which accumulate around the spheres and become activated to enhance the local resistance to infection. See page 182. [D. F. Ranney, University of Texas Health Science Center, Dallas, Texas 75235]