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REPORTS


Nitrogen Fixation by Floating Diatom Mats: A Source of New Nitrogen to Oligotrophic Ocean Waters: L. Martinez et al.

Nucleotide Sequence of the Rasheed Rat Sarcoma Virus Oncogene: New Mutations: S. Rasheed, G. L. Norman, G. Heidecker

Chitin in Sea Anemone Shells: D. F. Dunn and M. H. Liberman

Active Shortening Retards the Decline of the Intracellular Calcium Transient in Mammalian Heart Muscle: P. R. Housmans, N. K. M. Lee, J. R. Blinks

Dipetalonema viteae (Nematoda: Filarioidea): Culture of Third-Stage Larvae to Young Adults in vitro: E. D. Franke and P. P. Weinstein

Salicylate and Mitochondrial Injury in Reye's Syndrome: K. You

α-Amanitin Tolerance in Mycophagous Drosophila: J. Jaenike et al.

Combined Lipase Deficiency (cld): A Lethal Mutation on Chromosome 17 of the Mouse: J. R. Paterniti, Jr., et al.

Direct in vivo Monitoring of Dopamine Released from Two Striatal Compartments in the Rat: A. G. Ewing, J. C. Bigelow, R. M. Wightman


Herpes Simplex Virus Glycoprotein D: Human Monoclonal Antibody Produced by Bone Marrow Cell Line: J. M. Seigneurin et al.

Interaction of Human Hemoglobin and Its Variants with Agar: W. P. Winter and J. Yodh


Inhibitory Influence of Unstimulated Rods in the Human Retina: Evidence Provided by Examining Cone Flicker: S. H. Goldberg, T. E. Frumkes, R. W. Nygaard

Physiological Correlates of Prolonged Sleep Deprivation in Rats: A. Rechtschaffen et al.

Environmental Component of Morphological Differentiation in Birds: F. C. James

Recognition of H-2 Types in Relation to the Blocking of Pregnancy in Mice: K. Yamazaki et al.

Insulin Elicits Ingestion in Decerebrate Rats: F. W. Flynn and H. J. Grill

Leaf Color Used by Cabbage Root Flies to Distinguish Among Host Plants: R. J. Prokopy, R. H. Collier, S. Finch

Antipyretic Potency of Centrally Administered α-Melanocyte Stimulating Hormone: M. T. Murphy, D. B. Richards, J. M. Lipton

A Continuum of Sleep and Shallow Torpor in Fasting Doves: L. E. Walker et al.

Circumglobal Transport of the El Chichón Volcanic Dust Cloud: A. Robock and M. Matson

COVER

Algal colony (approximately 5 centimeters in length) formed by intertwining chains of diatom cells. The two species of the diatom Rhizosolenia that make up this colony contain intracellular Gram-negative bacteria. These floating aggregations occur in nutrient-poor oceanic waters and have been found to fix nitrogen. See page 152. [James M. King, Marine Science Institute, University of California, Santa Barbara 93106]