331 This Week in Science

Editorial

333 Storage of Spent Nuclear Fuels in Nevada

Letters


News & Comment

341 Of Mice, Oncogenes, and Rifkin
343 Fat Survey Trimmed in Lean Budget
344 “Earmaking” at DOE, DOD Rolls on
345 Expanded U.S.—Soviet Trade Tied to Shift on Technology
346 U.S.—Japan Nuclear Pact Draws Congressional Ire

Research News

348 AIDS Virus Creates Lab Risk
350 Drilling into Surprises Beneath an Inyo Crater
351 Gene Identity Confirmed
352 A Parent’s Sex May Affect Gene Expression

Articles

362 American Historical Archeology: Methods and Results: J. Deetz
367 Superconductivity—The State That Came in from the Cold: T. H. Geballe and J. K. Hulm
375 The Syphilis Epidemic and Its Relation to AIDS: A. M. Brandt
Dried intestinal contents of a hawksbill turtle (*Eretmochelys imbricata*). Glass-like needles are siliceous sponge spicules (ash content 92 percent of dry mass). The reef-dwelling hawksbill, endangered throughout its circumtropical range, feeds almost exclusively on choristid and hadromerid sponges in the Caribbean. See page 393. [Anne Meylan, Bureau of Marine Research, State of Florida Department of Natural Resources, St. Petersburg, FL 33701]

**Reports**

385 Heterogeneous and Epitaxial Nucleation of Protein Crystals on Mineral Surfaces: A. McPherson and P. Shlichta

387 Enzymatic Oxidation of Cholesterol Aggregates in Supercritical Carbon Dioxide: T. W. Randolph, D. S. Clark, H. W. Blanch, J. M. Prausnitz

390 Cavitation and the Interaction Between Macroscopic Hydrophobic Surfaces: H. K. Christenson and P. M. Claesson

393 Spongytory in Hawksbill Turtles: A Diet of Glass: A. Meylan

395 Hormone Conjugated with Antibody to CD3 Mediates Cytotoxic T Cell Lysis of Human Melanoma Cells: M. A. Liu, S. R. Nussbaum, H. N. Eisen


401 Suppression of Macrophage Activation and T-Lymphocyte Function in Hypoprolactinemic Mice: E. W. Bernton, M. S. Meltzer, J. W. Holaday

405 IgG from Patients with Lambert-Eaton Syndrome Blocks Voltage-Dependent Calcium Channels: Y. I. Kim and E. Neher

**Book Reviews**

421 The Cuvier-Geoffroy Debate reviewed by C. Limoges • Medicine, Mind, and the Double Brain: P. J. Pauly • The Natural History of the USSR: M. E. Taylor • Molecular Neurobiology in Neurology and Psychiatry: J. B. Martin • Books Received

**Products & Materials**

425 Mac Data-Acquisition Software • Microscope Camera • Pan-Application User Interface • Fluorescence Detector • DNA Blotting Unit • Engineering Data Software • Streptavidin Probes • Recombinant Protein G • Antibodies • Literature