This Week in Science

Editorial

Balance in Science

Policy Forum

Tropical Ecological and Biocultural Restoration: D. H. JANZEN

Letters

Animals in the Lab: N. D. BARNARD; J. F. RODRIGUEZ-SIERRA; R. W. GALVIN Coalition Architects: D. ALBRIGHT, F. VON HIPPEL

News & Comment

SDI: Testing the Limits

Texas Wins R&D Center

Famine Early Warning System Wins Its Spurs

Radon's Health Risks

French Mathematicians Push the Panic Button

Breast Cancer Study Vetoed

CDC Paints a Picture of HIV Infection in U.S.

Research News

NMDA Receptors Trigger Excitement

Coral Bleaching Remains Baffling

Cytokines Are Two-Edged Swords in Disease: Does Interleukin-1 Play a Role in Atherosclerosis? TGF-β2 May Cause Immune Suppression in Glioblastoma Patients Interleukin-1 May Contribute to Diabetes Development Neurokinin Linked to Interleukin-1 and Arthritis

Linking Earth, Ocean, and Air at the AGU: Is a Climate Jump in Store for Earth? Ocean Crust's Role in Making Seawater

Articles

Supercomputer Analysis of Sedimentary Basins: C. M. BETHKE, W. J. HARRISON, C. UPSON, S. P. ALTANER

Structural and Functional Roles of Glycosyl-Phosphatidylinositol in Membranes: M. G. LOW and A. R. SATIEL

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Photomicrograph taken under cathodoluminescent illumination of 30-micrometer-thick slice of limestone from Jurassic Smackover formation, east Texas at 3.2-kilometer depth. Calcite cements (bright yellow and dull orange) fill the pore spaces between round sand-sized ooids. Grain in center is about 0.5 millimeter in diameter. See page 261. [Photo courtesy of Stuart C. Williams, Exxon Production Research Co., Houston, TX 77001]