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Unifying Concepts in Ecology, reviewed by F. E. Smith; Swimming and Flying in Nature, S. Vogel; Pulmonates, R. Robertson; The Development and Function of Roots, J. L. Riopel; Books Received


Chemical Mass Balance of the Earth's Crust: The Calcium Dilemma (?) and the Role of Pelagic Sediments: D. F. Sibley and T. A. Vogel

Fly Ash Collected from Electrostatic Precipitators: Microcrystalline Structures and the Mystery of the Spheres: G. L. Fisher, D. P. Y. Chang, M. Brummer


Stratospheric Ozone Effects on Temperature: R. A. Reck

Uterotrophic Effect of Delta-9-Tetrahydrocannabinol in Ovariectomized Rats: J. Solomon et al.

Binocular Vision: Two Possible Central Interactions Between Signals from Two Eyes: T. E. Cohn and D. J. Lasley

Complement-Dependent Immunoglobulin G Receptor Function in Lymphoid Cells: J. C. Scornik

Antiserum to Somatostatin Prevents Stress-Induced Inhibition of Growth Hormone Secretion in the Rat: L. C. Terry et al.

Sibling Species in the Marine Pollution Indicator Capitella (Polychaeta): J. P. Grassle and J. F. Grassle

Models of Carcinogenesis as an Escape from Mitotic Inhibitors: G. I. Bell

Sex Differences in Cognition: A Function of Maturation Rate?: D. P. Waber

Reproductive Development in a Female Songbird: Differential Stimulation by Quality of Male Song: D. E. Kroodsma

Spheres-within-sphere structure of a fly ash agglomerate collected from the electrostatic precipitator of an operating coal-fired electric plant. The formation of these aluminosilicate plerospheres (hollow spheres packed with smaller spheres) probably results from rapid differential heating of a noncombustible coal fraction and subsequent evolution of gas from thermal decomposition and dehydration (about × 2660). See page 553. [G. L. Fisher, D. P. Y. Chang, and M. Brummer, University of California, Davis]
Editor's Summary