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EPA Review of Lead Study: H. L. Needleman; P. J. Landrigan and V. N. Houk; C. B. Ernhart

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Progress Toward Energy Security

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Paleoceanographic Model of Neogene Phosphorite Deposition, U.S. Atlantic Continental Margin: S. R. Riggs

Elemental Tracers of Distant Regional Pollution Aerosols: K. A. Rahn and D. H. Lowenthal

Childhood Leukemia and Fallout from the Nevada Nuclear Tests: C. E. Land, F. W. McKay, S. G. Machado

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Polish Science Struggles On

U.S. Exchange with Poland

Seeds of Dissension Sprout at FAO

NIH Starts Review of Training Programs

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First Parvovirus Linked to Human Disease

The Fine Points of Cloud Seeding

Semisynthetic Enzymes Are New Catalysts

A Step Toward Wholly Synthetic Enzymes

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New Project Explores Disability Research; 1983 Election Results; SWARM to Meet at Texas Tech; Dues Changes Scheduled for 1984; Proposals and Resolutions Invited for 1984 Council Meeting; Volunteers Invited for Museum Project; AAAS Travelers
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COVER

Idealized cycle of Neogene sedimentation on the U.S. Atlantic continental margin; deposition is a direct response to fluctuations in (top left) sea levels, (top right) climates, and (bottom left) continental shelf water masses. The first three stages reflect warming climates through a sea-level transgression associated with deglaciation and increased interaction of the Gulf Stream with the configuration of the continental margin, the accentuated nutrient-rich waters, and phosphate deposition. Stage four (bottom right) reflects cold climates and sea-level low-stands of glacial maximums. Phosphate deposition = P, dark blue dots; carbonate deposition = C, white dots; and terrigenous deposition = T, brown dots. See page 123. [Painting by Whiting M. Toler, Washington, North Carolina]