LETTERS
OSTP: The Last 4 Years: A. E. Stevenson; J. Blake; Chestnut Blight: E. G. Kuhlman; Paleontologists and Continental Drift: L. J. Hickey; Communicating Scientific Data: H. E. Kennedy

EDITORIAL
Eradication: D. Stetten, Jr.

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Conceptual Foundations of the Unified Theory of Weak and Electromagnetic Interactions: S. Weinberg
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NEWS AND COMMENT
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Briefing: For the Weapons Labs, a Countdown of Regents? Should N.Y. Accredit Foreign Medical Schools?

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Math and Sex: Are Girls Born with Less Ability?
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BOOK REVIEWS

Phylogenetic Patterns and the Evolutionary Process, reviewed by D. B. Wake; Evolutionary Biology of Parasites, C. S. Holling; Petroleum in the Marine Environment, K. A. Kvenvolden; Theory of Meson Interactions with Nuclei, R. D. Amado; Books Received

REPORTS

Observations of a Probable Change in the Solar Radius Between 1715 and 1979: D. W. Dunham et al.


Transformation by Cloned Harvey Murine Sarcoma Virus DNA: Efficiency Increased by Long Terminal Repeat DNA: E. H. Chang et al.

Vasoactive Intestinal Peptide: A Possible Transmitter of Nonadrenergic Relaxation of Guinea Pig Airways: Y. Matsuzaki, Y. Hamasaki, S. I. Said

pH-Sensitive Liposomes: Possible Clinical Implications: M. B. Yatvin et al.


Developmental Equations Reflect Brain Dysfunctions: H. Ahn et al.

Sex Differences in Mathematical Ability: Fact or Artifact?: C. P. Benbow and J. C. Stanley


Light Suppresses Melatonin Secretion in Humans: A. J. Lewy et al.

Glucose Suppresses Basal Firing and Haloperidol-Induced Increases in the Firing Rate of Central Dopaminergic Neurons: C. F. Saller and L. A. Chiodo

Fasting Associated with Decrease in Hypothalamic β-Endorphin: S. R. Gambert et al.

PRODUCTS AND MATERIALS

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COVER

El Misti Volcano, with city of Arequipa, Peru, in foreground. The lavas, together with those of the numerous stratovolcanoes along the Pacific coasts of North and South America, are predominantly andesite. Geochemical studies show that the El Misti lavas contain a component from rocks of the Precambrian basement on which the volcano sits. See page 1245. [G. R. Tilton, University of California, Santa Barbara]