LETTERS

Cell Contamination: Relevance to Radiation Experiments: C. B. Schroy; Creationism in Toronto: R. M. Sinclair; Culturing Before a Transplant: D. Steinmuller

EDITORIAL

Prepared Minds

ARTICLES

Theoretical Organometallic Chemistry: R. Hoffmann

Clocked Cell Cycle Clocks: L. N. Edmunds, Jr., and K. J. Adams

Instrumentation Needs of Research Universities: L. Berlowitz et al.

NEWS AND COMMENT

Heritage Foundation: Court Philosophers

Briefing: "Flash" Near South Africa, Again; Texas Court Rules That Hughes Left No Will; Reagan Ends Mandatory Conservation; Teletext War Comes into Focus

A Diversion of the Quest for Truth

Nonproliferation Shuffle

More Shots in the Budget Battle

Women in Science Cut

RESEARCH NEWS

Evidence for Free Quarks Won't Go Away

Clues to the Cause of Senile Dementia

Astronomers Look to the 1980's

BOOK REVIEWS

Science at the White House, reviewed by D. E. Price; Rotatoria, C. E. Goulden; John Milne, H. Spall; Biofeedback and the Modification of Behavior, D. Shapiro; Books Received

AAAS NEWS

New Responses to Attacks on Human Rights of Scientists in Latin America Called for: E. Stover; Science Ethics Reprint Series Available; David Joins Board; Rutherford Named AAAS Adviser; R&D Project Analyzes FY 1982 Budgets; Special Notice for Advance Registrants at the Toronto Meeting; Research into Effects of a CO2–Climate Change Suggested
REPORTS

Turbulent Vertical Transport due to Thin Intermittent Mixing Layers in the Stratosphere and Other Stable Fluids: E. M. Dewan


Ruminant Methane $8^{13}C/12C$ Values: Relation to Atmospheric Methane: F. Rust


Receptor for Albumin on the Liver Cell Surface May Mediate Uptake of Fatty Acids and Other Albumin-Bound Substances: R. Weisiger, J. Gollan, R. Ockner


Living Tissue Formed in vitro and Accepted as Skin-Equivalent Tissue of Full Thickness: E. Bell et al.

Separation of Calcium Isotopes by Liquid Phase Thermal Diffusion: W. M. Rutherford and K. W. Laughlin

Phase Shifting Circadian Rhythms Produce Retrograde Amnesia: W. N. Tapp and F. A. Holloway

Sex-Biased Litter Reduction in Food-Restricted Wood Rats (Neotoma floridana): P. A. McClure

Ascending Endorphin Inhibition of Distress Vocalization: B. H. Herman and J. Panksepp

Saliva as a Chemical Cue in the Development of Social Behavior: M. L. Block, L. C. Volpe, M. J. Hayes

Auditory Brainstem Potentials in Chronic Alcoholics: H. Begleiter, B. Porjesz, C. L. Chou


Rapid Correction of Hyponatremia Causes Demyelination: Relation to Central Pontine Myelinolysis: B. K. Kleinschmidt-DeMasters and M. D. Norenberg

Vaginocervical Stimulation Selectively Increases Metabolic Activity in the Rat Brain: T. O. Allen et al.

Paradoxical Elevation of Growth Hormone by Intraventricular Somatostatin: Possible Ultrashort-Loop Feedback: M. D. Lumpkin, A. Negro-Vilar, S. M. McCann

COVER

Computer image illustrates new concept for vertical transport by thin random turbulent layers in stable fluids. The volcano (background) symbolizes the injection of foreign matter in the stratosphere which will subsequently be vertically transported, in part, by this mechanism. See page 1041. [Artwork: Gene Pepin (Graphics Department, Air Force Geophysics Laboratory, Hanscom Air Force Base, Massachusetts) and Brian Dewan (Lexington High School, Lexington, Massachusetts); photography: Patrick J. Windward (Photo Laboratory, Air Force Geophysics Laboratory)]