LETTERS

Cell Line Origins: R. E. Stevenson; Energy Demand Forecasts: A. B. Lovins

EDITORIAL

A Way to Stimulate Technological Innovation: R. F. Dee

ARTICLES

From Little Acorns to Tall Oaks: From Boranes Through Organoboranes: H. C. Brown

Neural Basis of Rhythmic Behavior in Animals: F. Delcomyn

Aztec Arithmetic: Positional Notation and Area Calculation: H. R. Harvey and B. J. Williams

NEWS AND COMMENT

Gene Splicing Company Wows Wall Street

Iraqi Nuclear Program Halted by Bombing

UCLA Gene Therapy Racked by Friendly Fire

Study Group Agrees to Voluntary Restraints

Policy on Cryptography Proposals

Briefing: Public Scores Low on Environmental Test; Scientists’ Boycott Grows; Love Canal Reviewed

RESEARCH NEWS

Asteroid Theory of Extinctions Strengthened.

How Safe Is Bendectin?

ANNUAL MEETING

Meeting Program—Part II: Registration, Hotel, and Air Travel Reservation Forms

BOOK REVIEWS

A Centennial History of the American Society of Mechanical Engineers and Seven Decades That Changed America, reviewed by J. E. Brittain;
The Prehistory of Europe, R. M. Rowlett; Atomic Structure, B. W. Shore; Genome Organization and Expression in Plants, J. E. Varner; Books Received 529

REPORTS

Aseismic Uplift in Southern California: An Alternative Interpretation:

D. D. Jackson, W. B. Lee, C.-C. Liu 534

Human Monoclonal Antibody Against Forssman Antigen: R. Nowinski et al. 537

Antibody Targeting of Liposomes: Cell Specificity Obtained by Conjugation of F(ab')2 to Vesicle Surface: T. D. Heath, R. T. Fraley, D. Papahadjopoulos 539

Adrenocorticotropic Hormone May Be Transported Directly from the Pituitary to the Brain: R. Bergland et al. 541

Deficient Natural Killer Cell Activity in X-Linked Lymphoproliferative Syndrome:

J. L. Sullivan et al. 543

Genetic Diversity and Structure in Escherichia coli Populations:

R. K. Selander and B. R. Levin 545

Nonpineal Melatonin in the Alligator (Alligator mississippiensis):

J. J. Roth et al. 548

Neuronal Control of Acetylcholine Receptor Turnover Rate at a Vertebrate Neuromuscular Junction: T. A. Levitt, R. H. Loring, M. M. Salpeter 550

Maternal Glucocorticoid Hormones Influence Neurotransmitter Phenotypic Expression in Embryos: G. M. Jonakait, M. C. Bohn, I. B. Black 551

Differential Development of Brainstem Potentials in Healthy and High-Risk Infants: A. Salamy et al. 553

Goal Orientation by Blindfolded Humans After Long-Distance Displacement: Possible Involvement of a Magnetic Sense: R. R. Baker 555

Medial Nucleus of the Amygdala Mediates Chemosensory Control of Male Hamster Sexual Behavior: M. N. Lehman, S. S. Winans, J. B. Powers 557

Ecology of Colors of Firefly Bioluminescence: A. B. Lall et al. 560


Hormone Accumulation in a Sexually Dimorphic Motor Nucleus of the Rat Spinal Cord: S. M. Breedlove and A. P. Arnold 564

COVER

Juvenile Alligator mississippiensis, order Crocodilia, the last living reptiles in the subclass Archosauromorpha to which dinosaurs belong. Alligators naturally lack pineal bodies but do have the putative pineal hormone melatonin. The implications of pineal loss but melatonin retention may provide certain clues to pineal function in living and fossil reptiles. See page 548. [Lesley A. Marvel, Science]