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;
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, J. 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

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

Induction of Suspension Feeding in Spionid Polychaetes by High Particulate
Fluxes: G. L. Taghon, A. R. M. Nowell, P. A. Jamars ........................ 562

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]
Science 210 (4469), 480-568.