LETTERS
Access to Grant Applications: S. M. Schwartz; Nuclear Power Potential: J. J. Taylor; Dutch or Deutsch?: I. M. Kolthoff; J. C. Kraft

EDITORIAL
Electronic Data Bases.

ARTICLES
Eastern Geothermal Resources: Should We Pursue Them?: J. E. Tillman
From Dylys to Ylides to My Idyll: G. Wittig
DNA Methylation and Gene Function: A. Razin and A. D. Riggs

NEWS AND COMMENT
Upstart Television: Postponing a Threat
Briefing: OMB Offers Option on A-21: Doctors Must Put Patients First, Says Editor; Turkic Tribe Seeks Alaskan Peaks as Home
Trouble in Science and Engineering Education
Institute of Medicine Gets New President
IOM Elects New Members
Making Interferon: Gains Come Slowly

RESEARCH NEWS
1980 Nobel Prize in Physics to Cronin and Fitch
1980 Nobel Prize in Physiology or Medicine
Natural Killer Cells Help Defend the Body

AAAS NEWS
Science 80 Reaches 1-Year Mark; Nomination of AAAS Fellows Invited; Filmstrips Added to SB&F Reviews; Fellows Participate in Orientation Program and Begin Work; Reminder to Members; Mass Media Science Fellows Report on Summer Experiences: G. J. Breslow; SACNAS to Hold 1980 National Conference

BOOK REVIEWS
Fossils in the Making, reviewed by P. Dodson; The Sky Explored, V. Rubin; Coherence and Correlation in Atomic Collisions, E. Merzbacher; The Genetics of Altruism, M. Slatkin; Books Received.
REPORTS

Bacterial Resistance to Ultraviolet Irradiation Under Anaerobiosis: Implications for Pre-Phanerozoic Evolution: M. B. Rambler and L. Margulis .................................................. 638

Subcellular Origin of Cholinergic Transmitter Release from Mouse Brain: P. T. Carroll and J. M. Aspry ................................................................. 641

Oral Contraceptives, Lanosterol, and Platelet Hyperactivity in Rat: M. Ciavatti et al. ................................................................. 642

Somatostatin: Occurrence in Urinary Bladder Epithelium and Renal Tubules of the Toad, Bufo marinus: J. L. Bolaffi et al. .................................................. 644

Liquid-Phase Dehydration of Aqueous Ethanol-Gasoline Mixtures: G. F. Fantal. et al. ................................................................. 646

Stereospecific Nicotine Receptors on Rat Brain Membranes: C. Romano and A. Goldstein ................................................................. 647


Environmental Influences on Serotonin and Cyclic Nucleotides in Rat Cerebral Cortex: M. C. Diamond et al. ................................................................. 652

Nigral Dopamine Neurons: Intracellular Recording and Identification with L-Dopa Injection and Histofluorescence: A. A. Grace and B. S. Bunney .................. 654


Infectious Diseases and Population Cycles of Forest Insects: R. M. Anderson and R. M. May ................................................................. 658

Reorganization of the Axon Membrane in Demyelinated Peripheral Nerve Fibers: Morphological Evidence: R. E. Foster, C. C. Whalen, S. G. Waxman ................................................................. 661


Kin Selection: Its Components: M. J. Wade ................................................................. 665

Adaptive Topography in Family-Structured Models of Kin Selection: R. E. Michod and R. Abagov ................................................................. 667

Male Photuris Fireflies Mimic Sexual Signals of Their Females’ Prey: J. E. Lloyd ................................................................. 669

Nonolfactory Sensory Pathway to the Telencephalon in a Teleost Fish: T. E. Finger ................................................................. 671

Attentional Factors in the Inhibition of a Reflex by a Visual Stimulus: E. M. DelPezzo and H. S. Hoffman ................................................................. 673

COVER

Firefly habitat in northwestern penin- sular Florida in March. Pulsing Photuris males descend from tall pines to fly, flicker, and glow, like males of unrelated species. Males are probably in quest of their females which are, in turn, hunting the foreign males by ag-gressive signal mimicry. See page 669. [Dan Otte, Academy of Natural Sciences, Philadelphia, Pennsylvania]