LETTERS
Environmental Task Force Report: T. L. Kimball; Antagonisms and Controversies: M. E. Smith; Energy Analysis: M. Slesser; H. T. Odum; D. A. Huettner; Origin of Roman "Royal Purple": J. E. Huheey; G. D. Ruggieri...

EDITORIAL
The Denver Meeting: Afterthoughts

ARTICLES
The Global Age: Roles of Basic and Applied Research: W. D. McElroy
Phyllotaxis and the Fibonacci Series: G. J. Mitchison

NEWS AND COMMENT
Fight over Proposed Saccharin Ban Will Not Be Settled for Months
Cancer Society Takes Pro-Saccharin Stand
Solar Energy Research Institute: Grumbles About a Change in Plans
Stevens Institute of Technology: After the Strike, Still Unsettled

RESEARCH NEWS
Reprocessing Alternatives: The Options Multiply
Catastrophe Theory: The Emperor Has No Clothes

BOOK REVIEWS
Collected Papers in Avian Paleontology Honoring the 90th Birthday of Alexander Wetmore, reviewed by C. A. Walker; Legion of Night, J. A. Powell; Calcium in Biological Systems, M. Barany; The Genetics and Biology of Drosophila, A. Chovnick; Books Received and Book Order Service

REPORTS
High Rates of Vertical Crustal Movement near Ventura, California: R. S. Yeats
Hydrogen Peroxide Induces Spawning in Mollusks, with Activation of Prostaglandin Endoperoxide Synthetase: D. E. Morse et al. ................................................. 298
Hepatic-Regeneration and Erythropoietin Production in the Rat: B. A. Naughton et al. .......................................................... 301
A Phospholipid Derivative of Cytosine Arabinoside and Its Conversion to Phosphatidylinositol by Animal Tissue: C. R. H. Raetz et al. ........................................ 303
Estradiol Shortens the Period of Hamster Circadian Rhythms: L. P. Morin, K. M. Fitzgerald, I. Zucker .............................................. 305
Stress-Induced Modulation of the Immune Response: A. A. Monjan and M. I. Collector .......................................................... 307
Permeation of Manganese, Cadmium, Zinc, and Beryllium Through Calcium Channels of an Insect Muscle Membrane: J. Fukuda and K. Kawa ........................................ 309
Early Chemical Evolution of Nucleic Acids: A Theoretical Model: D. A. Usher .......................................................... 311
Theta-Sensitive Cell and Erythropoiesis: Identification of a Defect in W/W Anemic Mice: W. Wiktor-Jedrzejczak et al. ........................................ 313
Neoplastic and Possibly Related Skin Lesions in Neotenic Tiger Salamanders from a Sewage Lagoon: F. L. Rose and J. C. Harshbarger ........ 315
Niemann-Pick Disease Experimental Model: Sphingomyelinase Reduction Induced by AY-9944: N. Sakuragawa et al. ........................................ 317
Hypothalamic Stimulation Facilitates Contralateral Visual Control of a Learned Response: W. K. Beaglely and T. L. Holley ................................................. 321
Alzheimer’s Disease, Trisomy 21, and Myeloproliferative Disorders: Associations Suggesting a Genetic Diathesis: L. L. Heston ........................................ 322
Sea Urchin Recruitment Patterns and Implications of Commercial Fishing: M. J. Tegner and P. K. Dayton ........................................ 324
Antischizophrenic Drugs: Chronic Treatment Elevates Dopamine Receptor Binding in Brain: D. R. Burt, I. Creese, S. H. Snyder ........................................ 326
Antigen-Antibody Reactions in Rat Brain Sites Induce Transient Changes in Drinking Behavior: C. A. Williams, Jr. and N. Schupf ........................................ 328
Membrane Currents Examined under Voltage Clamp in Cultured Neuroblastoma Cells: W. H. Mooney and I. Spector ........................................ 331
Scotopic Vision Deficits in Young Monkeys Exposed to Lead: P. J. Bushnell et al. .......................................................... 333
Technical Comment: The Capsian Escargotières: A Clarification: D. Lubell .......................................................... 335

ASSOCIATION AFFAIRS
Edward E. David, Jr., President-Elect: J. R. Pierce .......................... 336
1976 Report to the Association: W. D. Carey ................................ 337
AAAS Council Meeting, 1977: C. Borras ........................................ 342
AAAS Officers, Staff, Committees, and Representatives for 1977 .......... 345

COVER
A male abalone (18 centimeters in length) is shown releasing sperm in response to hydrogen peroxide. Sperm are broadcast in jets of water expelled through respiratory pores in the shell. As many as $10^{12}$ sperm may be released over a period of 30 minutes in a single spawning. See page 298. [Larry Friesen, Marine Science Institute, University of California, Santa Barbara]