LETTERS
National Security: H. F. York; Homology: T. J. M. Schopf; Ranking Carcinogens for Regulation: K. S. Crump; E. Fröhlich and R. Hess; R. A. Squire 236

EDITORIAL
High-Technology Jobs 243

ARTICLES
Selectivity: A Key to Synthetic Efficiency: B. M. Trost 245
Running and Breathing in Mammals: D. M. Bramble and D. R. Carrier 251
Academic Freedom and the Classified Information System: R. A. Rosenbaum et al. 257
Japanese Industrial Development and Policies for Science and Technology: T. Shishido 259

NEWS AND COMMENT
Ultrasafe Reactors, Anyone? 265
Who’s Who in Biology 267
Briefing: Forecast on Plus Side for R & D Funding in 1983; Genentech Tries Novel Way to Fund Clinical Trials; Potential Conflicts of Interest Detailed at UC; Judge Orders Regulation of Ethylene Oxide; Reagan Reluctantly Approves Fallout Study 268
Barred Researcher Publishes a Paper 270

RESEARCH NEWS
Health Officials Seek Ways to Halt AIDS 271
Orbital Variation—Ice Age Link Strengthened 272
GaAs Readied for High-Speed Microcircuits 275

R & D SYMPOSIUM
Eighth Annual AAAS Colloquium on R & D Policy; Advance Registration Form 278

BOOK REVIEWS
Geology in the Nineteenth Century. Changing Views of a Changing World, reviewed by R. Laudan; Primate Paradigms, C. M. Berman; The Cotingas,
**Reports**

Topography, Albedo-Temperature Feedback, and Climate Sensitivity:  
*G. E. Birchfield and J. Wertman* ........................................ 284

Removal of Uranium(VI) from Solution by Fungal Biomass and Fungal Wall-Related Biopolymers: *M. Galun et al.* 285


The Use of Strontium-87/Strontium-86 Ratios to Measure Atmospheric Transport into Forested Watersheds: *W. C. Graustein* and *R. L. Armstrong* 289

Autotrophic Picoplankton in the Tropical Ocean: *W. K. W. Li et al.* 292

Sulfide Binding by the Blood of the Hydrothermal Vent Tube Worm *Riftia pachyptila*: *A. J. Arp* and *J. J. Childress* 295

Blood Components Prevent Sulfide Poisoning of Respiration of the Hydrothermal Vent Tube Worm *Riftia pachyptila*: *M. A. Powell* and *G. N. Somero* 297

Insulin Receptor: Evidence That It Is a Protein Kinase: *R. A. Roth* and *D. J. Cassell* 299

Prostaglandins Mediate Inhibition of Gastric Acid Secretion by Somatostatin in the Rat: *M. Ligumsky et al.* 301

Protein Kinase Injection Reduces Voltage-Dependent Potassium Currents: *D. L. Alkon et al.* 303

Prorocentrin: An Extracellular Siderophore Produced by the Marine Dinoflagellate *Prorocentrum minimum*: *C. G. Trick et al.* 306

Multiple Sclerosis: Distribution of T Cell Subsets Within Active Chronic Lesions: *U. Traugott, E. L. Reinherz, C. S. Raine* 308

Evidence for the Neuropeptide Cholecystokinin as an Antagonist of Opiate Analgesia: *P. L. Faris et al.* 310

Regulation of Queen Number by Workers in Colonies of Social Insects: *D. J. C. Fletcher* and *M. S. Blum* 312

An Unusual Lepidopteran Sex Pheromone System in the Bagworm Moth: *B. A. Leonhardt et al.* 314

Quinolinic Acid: An Endogenous Metabolite That Produces Axon-Sparing Lesions in Rat Brain: *R. Schwarcz, W. O. Whetsell, Jr., R. M. Mangano* 316