LETTERS
"Peer" Review: W. E. Stumpf; Appraising Psychotherapy: M. B. Parloff; University-Industry Programs: D. A. Horn

EDITORIAL

ARTICLES
Science: Our Common Heritage: K. E. Boulding
Animal Anorexias: N. Mrosovsky and D. F. Sherry

NEWS AND COMMENT
Assault on Research Secrets at Pentagon
Carter Creates State Radwaste Council
A Prescription for Monitoring Drugs
Army to Lose Overseas Labs
Rand Issues Final Alcoholism Report
Briefing: Citizens Update: Decision on Aspartame Due This Year; Deutch to Leave DOE.

RESEARCH NEWS
Bursts of Gamma Rays Baffle Astronomers
AMIS Negative on Aspirin and Heart Attacks

ASSOCIATION AFFAIRS
D. Allan Bromley, President-Elect: J. Weneser.
1979 Report of the Executive Officer: W. D. Carey
AAAS Council Meeting, 1980: C. Borras
AAAS Officers, Staff, Committees, and Representatives for 1980

BOOK REVIEWS
Human Sexuality, reviewed by H. H. Lambert; Le Pouvoir et la Science en France, R. Brickman; Placenta, N. B. Atkin; Active Galactic
REPORTS

Radon Anomaly: A Possible Precursor of the 1978 Izu-Oshima-kinkai Earthquake: H. Wakita et al. ........................................... 882
Heat Transport by Currents Across 25°N Latitude in the Atlantic Ocean: H. L. Bryden and M. M. Hall .................................. 884
Free-Radical Oxidants in Natural Waters: T. Mill, D. G. Hendry, H. Richardson .......................................................... 886
2-Tridecanone: A Naturally Occurring Insecticide from the Wild Tomato Lycopersicon hirsutum f. glabratum: W. G. Williams et al. .......................................................... 888
Cryptic Self-Fertilization in the Malpighiaceae: W. R. Anderson ...... 892
Ala-Gly- and Val-Asp-[Arg8]-Vasopressin: Bovine Storage Forms of Arginine Vasopressin with Natriuretic Activity: H. J. Gitelman et al. .................................................. 893
Circadian Rhythms in Neurospora crassa: Oligomycin-Resistant Mutations Affect Periodicity: C. Dieckmann and S. Brody .............. 896
Feedback Control of Juvenile Hormone Synthesis in Cockroaches: Possible Role for Ecdysterone: B. Stay et al. ......................... 898
Sparing of the Brain in Neonatal Undernutrition: Amino Acid Transport and Incorporation into Brain and Muscle: L. S. Freedman et al. .......................................................... 902
Multiple Daily Amphetamine Administration: Behavioral and Neurochemical Alterations: D. S. Segal et al. .................................. 904
Adapting to Two Orientations: Disinhibition in a Visual Aftereffect: S. Magnussen and W. Kurtenbach ....................................... 908

PRODUCTS AND MATERIALS

Fume Hood; Conductivity Detector; Field Microscope; Laboratory Freezer; Freeze-Drying Flasks; Computing Integrator for Gas and Liquid Chromatography; Column Fittings for Liquid Chromatography; Refrigerated Circulating Bath; Desiccator Cabinet; Literature ........................................... 910

COVER

Merced River, central California. When sunlight interacts with dissolved humic substances in natural waters, transient free-radical oxidants are formed. These radicals can selectively oxidize the trace amounts of synthetic chemicals commonly found in many lakes and rivers of industrialized countries. See page 886. [Janice D. Mill, Palo Alto, California]
Science 207 (4433), 822-914.