LETTERS  Hawaii's Upland Forests: J. M. Scott and C. B. Kepler; Urey’s Scientific Lineage: J. Bigeleisen; S. G. Brush; Materials Funding: J. A. Clum and J. P. Neumann .......................................................... 1002

EDITORIAL  Waste Management .......................................................... 1003

ARTICLES  Variability of Antarctic Sea Ice and Changes in Carbon Dioxide: H. J. Zwally, C. L. Parkinson, J. C. Comiso .................................................... 1005
Building R & D Policy from Strength: R. W. Schmitt ........................................ 1013
Separation of Signal Transduction and Adaptation Functions of the Aspartate Receptor in Bacterial Sensing: A. F. Russo and D. E. Koshland, Jr. ................ 1016

NEWS AND COMMENT  Administration Grapples with Export Control .............. 1021
Swiss Research Questioned .......................................................... 1023
Universities Find Funding Shortcut ............................................... 1024
Texans Woo and Whelm MCC ..................................................... 1025
Bargaining on at U. Mass. .......................................................... 1026
NAS Elects New Members .......................................................... 1028
Briefing: NSF Sets Ground Rules for Entering Grantees; NIH to Review Emory in Darsee Case; Darsee Apologizes to New England Journal .................... 1029

RESEARCH NEWS  Thin-Skinned Crustal Extension Confirmed .......... 1030
Homogeneous Catalysis: Ultimate Selectivity .................................. 1032

ANNUAL MEETING  Call for Symposium Proposals—New York Meeting ............ 1036

AAAS NEWS  Scientific Freedom and Responsibility and Science Journalism Awards; Desertification Volumes Offered; AAAS Annual Elections: Preliminary Announcement ....................................................... 1037
BOOK REVIEWS

Prehispanic Settlement Patterns in the Southern Valley of Mexico, reviewed by K. G. Hirth; Tidal Friction and the Earth's Rotation II, K. Lambeck; Interaction and Coevolution, J. H. Brown; Horse Behavior, R. R. Keiper; Books Received .................................................. 1041

REPORTS

Role of Shallow Phase Changes in the Subduction of Oceanic Crust: W. D. Pennington ................................................................. 1045

Fish Schools: An Asset to Corals: J. L. Meyer, E. T. Schultz, G. S. Helfman ..... 1047

Rapid Flow Cytometric Analysis of the Cell Cycle in Intact Plant Tissues: D. W. Galbraith et al. .......................................................... 1049

Desuppression of Leaf Primordia of Plagiochila arctica (Hepaticae) by Ethylene Antagonists: D. V. Basile and M. R. Basile ............ 1051

A Parathyroid Hormone Inhibitor in vivo: Design and Biological Evaluation of a Hormone Analog: N. Horiuichi et al. ......................... 1053

DNA Methylation Decreases in Aging but Not in Immortal Cells: V. L. Wilson and P. A. Jones ......................................................... 1055

Glucose Stimulation of the Antilipolytic Effect of Insulin in Humans: P. Arner, J. Bolinder, J. Ostman .......................................................... 1057

Neural Crest Cells Contribute to Normal Aorticopulmonary Septation: M. L. Kirby, T. F. Gale, D. E. Stewart ........................................ 1059

Nucleotide Sequence Analysis of the T24 Human Bladder Carcinoma Oncogene: E. P. Reddy ................................................................. 1061

Mutants of Rhizobium japonicum with Increased Hydrogenase Activity: D. Merberg and R. J. Maier ..................................................... 1064

Crystallization and X-ray Analysis of Stemphyloxylin I, a Phytotoxin from Stemphylium botryosum: I. Barash et al. ........................... 1065

Postnatally Induced Formation of the Corpus Callosum in Acallosal Mice on Glia-Coated Cellulose Bridges: J. Silver and M. Y. Ogawa. 1067

Identity of HeLa Cell Determinants Acquired by Vesicular Stomatitis Virus with a Tumor Antigen: L. M. Little et al. ............................. 1069

Adrenocorticotropin Hormone Causes Long-Lasting Potentiation of Transmitter Release from Frog Motor Nerve Terminals: M. F. Johnston et al. 1071

Ionizing Radiation Increases Veratridine-Stimulated Uptake of Sodium in Rat Brain Synaptosomes: H. N. Wison and W. A. Hunt. .......... 1073

Modifying Oculomotor Activity in Awake Subjects Increases the Amplitude of Eye Movements During REM Sleep: J. H. Heran and H. P. Roffwarg 1074

Potassium Currents in Drosophila: Different Components Affected by Mutations of Two Genes: C.-F. Wu et al. ......................................... 1076

Hybrid Tree Frogs: Vocalizations of Males and Selective Phonotaxis of Females: J. A. Doherty and H. C. Gerhardt .............................. 1078

Erectile Mechanisms in Man: I. Karacan, C. Aslan, M. Hirshkowitz ................ 1080

Light and Agonists Alter Pineal N-Acetyltransferase Induction by Vasoactive Intestinal Polypeptide: A. Yuwiler .................................... 1082

COVER

Schools of juvenile French and white grunts (Haemulidae: Haemulon flavolineatum and Haemulon plumieri) in a coral head (Acropora palamula) in St. Croix, U.S. Virgin Islands. Excretery products from these fish are a source of nutrients for the coral head in which they rest. The presence of resident grunt schools leads to a higher rate of coral growth. See page 1047. [G. S. Helfman, Zoology Department and Institute of Ecology, University of Georgia, Athens 30602]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/220/4601.citation

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl