LETTERS

Sakharov on Détente: E. A. Stern; Computers and Human Happiness: L. W. Zelby; R. M. Davis; Bee Language: D. Davenport; Roszak and Rationality: J. W. Corrington; D. P. Barash ................................................................. 975

EDITORIAL

Declining Years of Hydrocarbon Production .................................................. 979

ARTICLES

Residential Patterns at Monte Alban, Oaxaca, Mexico: M. C. Winter ............. 981
Copyright: Its Adequacy in Technological Societies: N. L. Henry .................. 993

NEWS AND COMMENT

Cliometrics: Book on Slavery Stirs up a Scholarly Storm ............................ 1004
Battelle Memorial Institute: Another Reading of the Will ........................... 1007
EPA Cites Errors in AEC's Reactor Risk Study ........................................... 1008

RESEARCH NEWS

Fletcher Sees Major Thrust in Space Science in 1980's ............................... 1012
Developmental Neurobiology: Specificity in the Visual System .................... 1013

ANNUAL MEETING

Science and the Quality of Our Lives: A. Herschman; Preconvention Program; Registration and Housing Forms .................................................. 1015

BOOK REVIEWS

The Genetic Structure of Populations, reviewed by J. Felsenstein; Marine Zoogeography, R. Rosenblatt; Cyclic AMP, Cell Growth, and the Immune Response, G. Brooker; Metastable Ions, J. L. Franklin; Books Received .......................... 1028
REPORTS

Tilt Precursors before Earthquakes on the San Andreas Fault, California: 
M. J. S. Johnston and C. E. Mortensen .................................................. 1031

Aerosols in the Atmosphere: Calculation of the Critical Absorption/Backscatter 
Ratio: R. A. Reck ......................................................... 1034

Electron Diffraction of Frozen. Hydrated Protein Crystals: K. A. Taylor 
and R. M. Glaeser .................................................. 1036

Sunday and Workday Variations in Photochemical Air Pollutants in New Jersey 
and New York: W. S. Cleveland et al. ............................................. 1037

1α-Hydroxyvitamin D2: A Potent Synthetic Analog of Vitamin D2: 
H.-Y. P. Lam, H. K. Schnoes, H. F. DeLuca ...................................... 1038

Decrease in Free Cystine Content of Cultured Cystinotic Fibroblasts by 
Ascorbic Acid: W. A. Kroll and J. A. Schneider .................................. 1040

Peromyscus: Effect of Early Pairing on Reproduction: J. L. Hill ................ 1042

Antihistamines Block Radiation-Induced Taste Aversions: C. J. Levy et al. .... 1044

Tandem Calling: A New Kind of Signal in Ant Communication: M. Möglich, 
U. Maschwitz, B. Hölldobler .................................................. 1046

PRODUCTS AND 
MATERIALS

Shock Measurement and Recording System; Rotating Evaporator; Electronic Fever 
Thermometer; Freezer; Laboratory Cat Diet; Ultraviolet Photometer; 
Cardiovascular Analog Trainer; Programmable Calculator; Computer; Digital 
Multimeter; Microsyringe Pipet; Literature ........................................ 1055

COVER

Tandem running of ant (Leptothorax acervorum). (Top to bottom) Recruiting 
worker assumes calling position; nestmate arrives and touches the gaster and hindlegs of the calling ant 
with its antennae; and calling ant lowers its gaster and tandem running 
starts. The sting of the recruiting ant remains extruded, but it is not dragged over the surface. See page 1046.

[Michael Möglich, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts]