LETTERS
Occupational Lead Exposure: What Are the Risks?; W. C. Cooper; W. R. Gaffey; Is Evacuation the Best Policy?: M. Levenson and F. J. Rahn; Scanner Development: J. B. Kruskal

EDITORIAL
Energy Policies of the United States and U.S.S.R.

ARTICLES
Breeder Reactors in France: C. P. Zaleski
Blue Light and Bilirubin Excretion: A. F. McDonagh, L. A. Palma, D. A. Lightner
International Politics and Science: Frank Press in Venezuela: M. Roche and L. A. Ordóñez

NEWS AND COMMENT
Latest Saccharin Tests Kill FDA Proposal
MX on Land or Sea?
Briefing: Controversial Scientist Considers Leaving NCI; Proxmire Reenters the Ring After Scientist Lands a Hit; SST Supporters Fly Above the Economic Fray
Texas Puts Together Winning Fusion Team
East Coast Maps to Alert Industry to Ecology Conflict
R & D Will Share in Budget Cuts

RESEARCH NEWS
The 1980 Pittsburgh Conference: A Special Instrumentation Report
Options for Preparative and Analytical HPLC
Portable Elemental Analyzers Pushed
IC Versatility Promotes Competition
Instrument Highlights: Video—A New Approach to Chart Recorders; New Tool to Monitor Sulfuric Acid Emissions; A New Interferometer for Inexpensive FT-IR; Fourier Transform Comes to Photoacoustic Spectroscopy

BOOK REVIEWS
Mass Loss and Evolution of O-Type Stars, reviewed by S. C. Wolff;
The Thermal Theory of Cyclones, R. M. Friedman; The Biology and...
Taxonomy of the Solanaceae. *R. Ornduff*: Stereoscopic Vision, *J. A. Movshon*; Books Received ........................................... 169

**REPORTS**

Convection in a Rotating Layer: A Simple Case of Turbulence: *F. H. Busse* and *K. E. Heikes* ........................................... 173

Evolutionary Implications of Pliocene Hominid Footprints: *T. D. White* ...................................................... 175

Silicone Rubber Substrata: A New Wrinkle in the Study of Cell Locomotion: *A. K. Harris, P. Wild, D. Stopak* ...................................................... 177


Differential Avoidance of Mimetic Salamanders by Free-Ranging Birds: *E. D. Brodie, Jr., and E. D. Brodie, III* .......... 181

High-Molecular-Weight Immunoreactive β-Endorphin in Extracts of Human Placenta: Is a Fragment of Immunoglobulin G: *J. H. Julliard et al.* ................. 183

A Nonadrenergic Vagal Inhibitory Pathway to Feline Airways: *L. Diamond and M. O'Donnell* ...................................................... 185

Inhibition of Cell Division and Growth by a Redox Series of Cyanine Dyes: *S. Zigman and P. Gilman, Jr.* ......................... 188

Phorbol Ester Action Is Independent of Viral and Cellular src Kinase Levels: *A. R. Goldberg, K. B. Delcolos, P. M. Blumberg* .................. 191

Photoluminescent Thermometer Probes: Temperature Measurements in Microwave Fields: *T. Samulski and P. N. Shrivastava* ...................................................... 193

Vertebrate Cells Express Protozoan Antigen After Hybridization: *M. S. J. Crane and J. A. Dvorak* .......................... 194

Organelle Alteration as a Mechanism for Maternal Inheritance: *K. C. Vaughn et al.* ...................................................... 196

Magnesium Deficiency Produces Spasms of Coronary Arteries: Relationship to Etiology of Sudden Death Ischemic Heart Disease: *P. D. M. V. Turlapaty and B. M. Altura* ...................................................... 198

Faster Cholinergic REM Sleep Induction in Euthymic Patients with Primary Affective Illness: *N. Sitaram et al.* ................. 200

Preschool Programs and Later School Competence of Children from Low-Income Families: *R. B. Darlington et al.* ................. 202

**PRODUCTS AND MATERIALS**

Pulsed Molecular Beam Source; Cell Separator; Laboratory Freezer; Portable Temperature Scanner; Inductively Coupled Plasma Spectrometer; Pulse Height Analyzer; Clinical Microscope; Water Purification; Literature .......................................................... 206

**COVER**

Pattern of radial stretching and wrinkling of a thin sheet of silicone rubber caused by the locomotion of fibroblasts spreading outward from an explant in the center. Using this method, the contractility of individual cultured cells can be studied. Dark-field illumination. Total width of field is 3.4 millimeters. See page 177. [Albert K. Harris, Department of Zoology, University of North Carolina, Chapel Hill]