LETTERS

Love Canal and Legal Precedent: D. A. Bronstein; Geological Research: P. M. Kier; Digital Readouts on Television Pictures: D. J. Aneshansley and T. Eisner

EDITORIAL

Science and Engineering: L. Young

ARTICLES

Origin and Mechanism of Large-Scale Climatic Oscillations: V. Ya. Sergin
Early Two-Dimensional Reconstruction and Recent Topics Stemming from It: A. M. Cormack
The Cayo Santiago Primate Colony: W. F. Windle

NEWS AND COMMENT

University and Drug Firm Battle Over Billion-Dollar Gene
UCSD Gene Splicing Incident Ends Unresolved
Navy Considers Scuttling Old Nuclear Subs
Scientists, Congress in NIH Battle
NSF Under Challenge from Congress, Engineers
Briefing: FDA Caffeine Decision Too Early, Some Say; Sawhill Is Named Synfuel Chief
Death at Sverdlovsk: A Critical Diagnosis

RESEARCH NEWS

Testing for Primes Gets Easier
Plug Pulled on Chemistry Computer Center.
An "NRCC" for Industrial Chemists?

BOOK REVIEWS

Polyplody, reviewed by L. D. Gottlieb; Plant Membrane Transport, D. H. Jennings; The Ecology of Vision, S. S. Easter, Jr.; Progress in Social Psychology, E. Borgida; Books Received

REPORTS

Carbonyles: Carriers of Primordial Noble Gases in Meteorites: A. G. Whitaker et al.
PRODUCTS AND MATERIALS

Bioluminescence Kits; Image Analyzer; Temperature Controller; Isoelectric Focusing Calibration Kits; Spark Chamber Detector; Amperometric Chromatography Detector; Microsyringe; Literature

J. HARRISON    WILLIAM T. GOLDEN    WILLIAM D. CAREY
ELL W. PETERSON    TREASURER    EXECUTIVE OFFICER

OGY AND GEOGRAPHY (E)
Mark Curtis
H. E. Biesque

ANTHROPOLOGY (H)
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Practica Reptiles

BIOLOGICAL SCIENCES (G)
Thomas Eisner
Walter Charnin

INDUSTRIAL SCIENCE (P)
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Robert L. Slavin

HARLEY ZUCKERMAN

AGRICULTURE (O)
Coyd T. Wilson

GENERAL (X)
Vera Katalin-ovsky

STICS (U)
Kempthorne Laser

Edward S. Epstein
Glenn R. Hilt

Rothman, L. D. Sizemore, J. J. L. Ho.

Cover

Leech embryo showing part of the future nervous system as a band of small, red-fluorescing cells bordering the ventral midline. An N teloblast was injected with rhodamine-labeled dodecapeptide at stage 6a. After subsequent development to mid-stage 8 the embryo was fixed and stained with Hoechst 33258. Nuclei appear as blue-fluorescing dots; only the injected cell (center) and its clonal descendants fluoresce red (about × 610). See page 1538. [Saul J. Zacker, Molecular Biology, University of California, Berkeley]