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EDITORIAL
Workers at Risk: D. Nelkin

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Improving R & D Productivity: The Federal Role: L. M. Branscomb
Differential Gene Expression in the Gastrula of Xenopus laevis: T. D. Sargent and I. B. Dawid

NEWS AND COMMENT
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Briefing: Stanford Says Yes to Modified Weapons Proposal; USDA Relents on Landsat; Hinckley Starting Mental Illness Fund; NSF Reorganization Boosts Education Programs; Mosher Loses Another Appeal; Social Scientists Cry Politics

RESEARCH NEWS
Brotherly Alliances Help Avoid Inbreeding
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ANNUAL MEETING
Call for Contributed Papers
Acoustic Communication in Birds, reviewed by P. J. B. Slater; The Central Nervous System of Cartilaginous Fishes, R. G. Northcutt; The Eclipse of Darwinism, R. W. Burkhardt, Jr.; Biogeography, B. B. Simpson; Books Received

Rates of Evolution: Effects of Time and Temporal Scaling: P. D. Gingerich

Solar System Ice: Amorphous or Crystalline?: R. Smoluchowski

New Burgess Shale Fossil Sites Reveal Middle Cambrian Faunal Complex: D. Collins, D. Briggs, S. C. Morris

Expression of Naphthalene Oxidation Genes in Escherichia coli Results in the Biosynthesis of Indigo: B. D. Enseney et al.

Anticarcinoma Activity in vivo of Rhodamine 123, a Mitochondrial-Specific Dye: S. D. Bernal et al.


Normal Cells of Patients with High Cancer Risk Syndromes Lack Transforming Activity in the NIH/3T3 DNA Transfection Assay: S. W. Needleman et al.

Infants’ Discrimination of the Duration of a Rapid Spectrum Change in Nonspeech Signals: P. W. Jusczyk et al.

Fast Extracellular Calcium Transients: Involvement in Epileptic Processes: R. Pumain, I. Kurcewicz, J. Louvel

Detection of Intermodal Numerical Correspondences by Human Infants: P. Starkey, E. S. Spelke, R. Gelman

A Microtubule Meshwork Associated with Gametic Pronucleus Transfer Across a Cell-Cell Junction: J. D. Orias, E. P. Hamilton, E. Orias

The Use of Hypnosis to Enhance Recall: J. Dywan and K. Bowers

Transported Proteins in the Regenerating Optic Nerve: Regulation by Interactions with the Optic Tectum: L. J. Benowitz, M. G. Yoon, E. R. Lewis

Technical Comments: Stimulation of Catecholamine Secretion by Choline: R. J. Wurtman; Failure to Integrate Information from Successive Fixations: J. Jonides, D. E. Irwin, S. Yantis

Cloning of the naphthalene oxygenase genes from Pseudomonas into Escherichia coli results in the production of a number of pigments including indigo. The plate contains pigmented colonies produced by growth of the cells on solid medium. Unpigmented wild-type cells are at the top. Indigo is also produced in liquid medium and can be extracted from the cells with organic solvents. See page 167. [B. D. Ensley et al., Amgen, Thousand Oaks, California 91320]