LETTERS
Hypertension and Calcium: M. Feinleib, C. Lenfant, S. A. Miller; D. A. McCarron, C. D. Morris, J. L. Stanton

EDITORIAL
Let Them Eat Cake: G. Piel

ARTICLES
Trapped Ions, Laser Cooling, and Better Clocks: D. J. Wineland
Prospects for Human Gene Therapy: W. F. Anderson
Heterochronic Mutants of the Nematode Caenorhabditis elegans: V. Ambros and H. R. Horvitz

NEWS AND COMMENT
Congress Votes NIH a Big Budget Boost
Universities Prevail on Secrecy
Medical Education Under Fire
Briefing: Big Boost for AID Population Budget; Ohio State Offers to Buy Back Its Telescope; Leadership Suffering on Many College Campuses; Comings and Goings
Congress Approves Nuclear Weapons Buildup
Saving Chimps for Research
FDA Hit on Device Regulation

RESEARCH NEWS
New Clues to Developmental Timing
How Fast Is Oil Running Out?
New Regulatory Mechanism of Parasitism

Archeology Briefing: Reading Old Bones: The Problems; Cutmarked Bones: Look, No Hands; Bone Tools from Olduvai Gorge; Season of Death Indicates Mastodon Hunting
BOOK REVIEWS

Direct Nuclear Reactions and Direct Nuclear Reactions, reviewed by P. D. Kunz; Concepts of Particle Physics, H. A. Weldon; Amedeo Avogadro, S. Pierson; Social Cognition, E. E. Jones; Books Received .................................................... 431

REPORTS

Energy Conservation Through More Efficient Lighting: J. Maya et al. ............. 435
Iridium Anomaly in the Upper Devonian of the Canning Basin, Western Australia: P. E. Playford et al. ............................................................. 437
A New Basis for Recognizing the Paleocene/Eocene Boundary in Western Interior North America: S. L. Wing ......................................................... 439
Cretaceous-Paleocene Terrestrial Faunas of India: Lack of Endemism During Drifting of the Indian Plate: A. Sahni .............................................. 441
A Conformationally Constrained Vasopressin Analog with Antidiuretic Antagonistic Activity: G. Skala et al. ............................................. 443
Estrogen-Dependent Leydig Cell Protein Recognized by Monoclonal Antibody to MCF-7 Cell Line: D. R. Ciocca and M. L. Dufau ................................ 445
HTLV-III in Saliva of People with AIDS-Related Complex and Healthy Homosexual Men at Risk for AIDS: J. E. Groopman et al. ................. 447
HTLV-III in Cells Cultured from Semen of Two Patients with AIDS: D. Zagury et al. ............................................................. 449
HTLV-III in the Semen and Blood of a Healthy Homosexual Man: D. D. Ho et al. .................................................................................. 451
Prevalence of Antibodies to Lymphadenopathy-Associated Retrovirus in African Patients with AIDS: F. Brun-Vezinet et al. ...................... 453
Alteration of T-Cell Functions by Infection with HTLV-I or HTLV-II: M. Popovic et al. ............................................................. 459
Separation of Morphine Analgesia from Physical Dependence: G. S. F. Ling et al. ................................................................................ 462
Growth Hormone-Releasing Factor: Direct Effects on Growth Hormone, Glucose, and Behavior via the Brain: G. S. Tannenbaum ............... 464
Adriamycin-Induced DNA Damage Mediated by Mammalian DNA Topoisomerase II: K. M. Tewey et al. ...................................................... 466

COVER

Three-dimensional surface reconstructions of a 30-million-year-old fossil mammal (Stenopschoerus) generated from serial computerized tomography scans of its skull. Both ecto- and endocranial stone matrix have been "removed" (made transparent) by computer methods to reveal the true osseous contours of the fossil. See page 456. [Photograph by C. Ungar in collaboration with M. Vannier, Washington University School of Medicine, St. Louis, Missouri 63110]