LETTERS


EDITORIAL

Energy for Western Europe .............................................. 309

ARTICLES

Status of the Development of EDS Coal Liquefaction: G. K. Vick and W. R. Epperly ................................................. 311

Transcriptional Control Signals of a Eukaryotic Protein-Coding Gene: S. L. McKnight and R. Kingsbury ................................................. 316

Outlook for Soviet Oil: T. Scanlan........................................ 325

NEWS AND COMMENT

Squabbling Over the Space Policy ........................................ 331

A Soviet Space Station?................................................... 332

Auditors Scour Labs in Search of Waste ................................ 334

FDA to Reexamine Bendectin Data ......................................... 335

Looking at Genes in the Workplace ....................................... 336

Briefing: British Out of IIASA, Americans May Stay In; Using Experience to Calculate Nuclear Risks; Universities Seek Access to Big Number Crunchers 338

RESEARCH NEWS

Transplants as Guides to Brain Development ................................ 340

Grafts Correct Brain Damage .................................................. 342

BOOK REVIEWS

Maya Subsistence, reviewed by B. L. Turner II; Quantum Gravity 2, L. Parker; Tropical Cyclones, R. C. Gentry; Imagery, K. J. Holyoak; The American Cockroach, M. C. Nelson; Books Received ................................................. 345
Isotopic Paleoceanography of the Caribbean and East Pacific: Role of Panama Uplift in Late Neogene Time: L. Keigwin .......................... 350


Cholinergic Agonists Induce Vectorial Release of Serotonin from Duodenal Enterochromaffin Cells: E. J. Forsberg and R. J. Miller ......................... 355

A Diurnal Rhythm in Pineal Protein 1 Content Mediated by β-Adrenergic Neurotransmission: E. J. Nestler, M. Zatz, P. Greengard ......................... 357

Lung Fibrosis and Emphysema: Divergent Responses to a Common Injury?: D. E. Niewoehner and J. R. Hoidal ......................... 359

Evidence for the Clonal Origin of Spontaneous Metastases: J. E. Talmadge, S. R. Wolman, J. J. Fidler ......................... 361


N-β-Alanyldopamine: Major Role in Insect Cuticle Tanning: T. L. Hopkins et al ......................... 364

Size Analysis of Phospholipid Vesicle Preparations: Y. Nozaki et al ......................... 366

Immunotherapy of Metastases Enhances Subsequent Chemotherapy: M. G. Hanna, Jr., and M. E. Key ......................... 367

Lethal Effect of Phenothiazine Neuroleptics on the Pathogenic Protozoan Leishmania donovani: R. D. Pearson et al ......................... 369

Lethal Disruption of the Yeast Actin Gene by Integrative DNA Transformation: D. Shortle, J. E. Haber, D. Botstein ......................... 371

Genetic Length of a Human Chromosomal Segment Measured by Recombination Between Two Fragile Sites: G. R. Sutherland, E. Baker, J. C. Mulley ......................... 373

Influence of Female Hormonal State on Rhesus Sexual Behavior Varies with Space for Social Interaction: K. Wallen ......................... 375


Histocompatibility and Isoenzyme Differences in Commercially Supplied “BALB/c” Mice: B. Kahan et al ......................... 379

Histocompatibility and Isoenzyme Differences in Commercially Supplied “BALB/c” Mice: A Reply: H. L. Foster and M. W. Balk ......................... 381

COVER

Exxon Coal Liquefaction Plant. Except for the coal preparation section, the plant is similar to a small refinery; it contains more than 52 miles of 2-inch and larger pipe, more than 13,000 valves, 107 miles of instrument tubing and electrical conduits, 15 fractionation towers, 68 drums, 148 pumps, 76 heat exchanges, 3 furnaces, and 17 tanks. See page 311. [Photo by Robert Herko, Exxon Research and Engineering Co., Linden, New Jersey]