LETTERS
Potassium Iodide Distribution: *R. S. Yallow*; Models of Human Evolution:
*G. L. Isaac; D. Harley; J. W. Wood; L. D. Wolfe et al.; R. L. Cann
and A. C. Wilson; C. O. Lovejoy* ........................................... 295

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 Paleoeceanography 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 I 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
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, 5 furnaces, and 17 tanks. See page 311. [Photo by Robert Herko, Exxon Research and Engineering Co., Linden, New Jersey]