This Week in Science

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Periodicity of Extinctions: A. Hoffman; R. Lewin; Destroyers by the Pound?: T. L. Lincoln

EDITORIAL
The Status of Engineering.

ARTICLES
Origins: S. Weinberg
Cell Interactions in Myxobacterial Growth and Development: M. Dworkin and D. Kaiser
Pathways of Protein Secretion in Eukaryotes: R. B. Kelly
Structure of the GDP Domain of EF-Tu and Location of the Amino Acids Homologous to ras Oncogene Proteins: F. Jurnak

NEWS AND COMMENT
Working Solar Monitor Shot Down by ASAT
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New Biotech Board Proposal
Social Scientists Make Case to Congress
Briefing: A Cleanup Plan for Chesapeake Bay; Science Text Books Too Bland for California; Pesticide Pact Struck by Opposing Groups; Soviets Target Campuses for Intelligence Operations; OTA Study Highlights Star Wars Difficulties; Magnets Chosen for Super collider

RESEARCH NEWS
New Plasma Physics Lab at Giacobini-Zinner
Scientists Aid Search for Argentina’s “Desaparecidos”: E. Stover; Instruments and Lab Equipment Needed; Transcripts of National Security Discussion Offered; Directory to Identify Research on Impacts of Technology

Ranching, Mining, and the Human Impact of Natural Resource Development, reviewed by C. R. Humphrey; Beyond IQ, R. Glaser; Science Reorganized, T. S. Feldman; Progress in Gauge Field Theory, E. Seiler; Books Received.

Infrared Speckle Observations of Io: An Eruption in the Loki Region:
R. R. Howell and M. T. McGinn

Characterization of Io’s Volcanic Activity by Infrared Polarimetry:
J. D. Goguen and W. M. Sinton


Partial Inversion of the Initiation-Promotion Sequence of Multistage Tumorigenesis in the Skin of NMRI Mice: G. Fürstenberger, V. Kinzel, M. Schwarz, F. Marks

A Model for the Tertiary Structure of p21, the Product of the ras Oncogene: F. McCormick et al.


Isolation of a Spirochete from the Soft Tick, Ornithodoros cornutus: A Possible Agent of Epizootic Bovine Abortion: R. S. Lane, W. Burgdorfer, S. F. Hayes, A. G. Barbour

