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Space Weapons and Nuclear Effects: H. A. Griffith and R. S. Cooper; W. J. Broad

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The Tabun Cave and Paleolithic Man in the Levant: A. J. Jelinek

Disease-Suppressive Soil and Root-Colonizing Bacteria: M. N. Schroth and J. G. Hancock

Controlled Photoperiodic Environments for Food Animals: H. A. Tucker and R. K. Ringer

NEWS AND COMMENT

Reagan Changes Course on Nonproliferation

Survival of the Fittest in the Falklands

Briefing: Endangered Species Act Reauthorized; Society Formed to Study Anomalies; USDA Official Defends Loyalty Checks; Competition Increasing for Use of Outer Space; New Award to Supplement Nobels

Chess-Playing Computer Seized by Customs

A Battle over Bell Labs

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RESEARCH NEWS

Stanford Pulls Off a Novel Accelerator

A Separation Technique with Potential

Sleep-Promoting Factor Isolated
BOOK REVIEWS

Love Canal, reviewed by H. L. Molotch; Symbols in Action, N. David; Advances in Legume Systematics, L. A. S. Johnson; Calcium and cAMP as Synarchic Messengers, J. W. Putney, Jr.; Books Received

REPORTS

Compositional Structure of the Asteroid Belt: J. Gradie and E. Tedesco

Low-Frequency Eddy Kinetic Energy Spectrum in the Deep Western North Pacific: S. Imawaki and K. Takano

Homeothermic Response to Reduced Ambient Temperature in a Scarab Beetle: K. R. Morgan and G. A. Bartholomew

Indoor Airborne Asbestos Pollution: From the Ceiling and the Floor: P. Sebastien, J. Bignon, M. Martin

York River Destratification: An Estuary-Subestuary Interaction: D. Hayward, C. S. Welch, L. W. Haas

Multiplication of Tobacco Mosaic Virus in Tobacco Leaf Disks Is Inhibited by (2'-5') Oligoadenylate: Y. Devash, S. Biggs, I. Sela

Oxytocin, Vasopressin, and Estrogen-Stimulated Neurophysin: Daily Patterns of Concentration in Cerebrospinal Fluid: M. J. Perlow et al.


Nucleotide Sequence of the Transforming Gene of Avian Myeloblastosis Virus: K. E. Rushlow et al.

Schizophrenia: Dopamine β-Hydroxylase Activity and Treatment Response: D. E. Sternberg et al.

Reduced Leucine-Enkephalin-Like Immunoreactive Substance in Hamster Basal Ganglia After Long-Term Ethanol Exposure: K. Blum et al.

Central Regulation of Intestinal Motility by Somatostatin and Cholecystokinin Octapeptide: L. Bueno and J.-P. Ferre

Temporal Trends in the Lead Concentrations of Umbilical Cord Blood: M. B. Rabinowitz and H. L. Needleman

Sexual Dimorphism in the Human Corpus Callosum: C. de Lacoste-Utamsing and R. L. Holloway

COVER

General view of the excavation in 1970 into the east-west profile left by D. A. E. Garrod in the Tabun Cave on Mount Carmel. This 10-meter section yielded evidence of about 75,000 years of human development early in the last interglacial-glacial cycle. Removal of material in alternate 1-meter squares allowed close control of the complex natural stratigraphy. See page 1369. [A. J. Jelinek, Department of Anthropology, University of Arizona, Tucson 85721]