LETTERS

Love Canal Chromosome Study: M. W. Shaw; S. J. Gage; D. Picciano

EDITORIAL

The Global 2000 Report

ARTICLES

Detecting Climate Change due to Increasing Carbon Dioxide: R. A. Madden and V. Ramanathan

Teratocarcinomas and Mammalian Embryogenesis: G. R. Martin

Geomorphic Reconstructions in the Environs of Ancient Troy: J. C. Kraft, I. Kayan, O. Erol

NEWS AND COMMENT

Looking Out for Science Policy

Energy Standards for Buildings Face Delay

House Reopens Nerve Gas Issue

Ma Bell Losing Grip on Old Markets

No Veto for States on Radwaste Sites

Briefing: AMA's New Ethics Code Is Major Break from Past; House Votes Metric Board An Extension After Debate; Science Teachers to Ban Testing Harmful to Animals

RESEARCH NEWS

Dilemma in Cancer Treatment

Tapping Sun-Warmed Ocean Water for Power

Irrigation Threatens Egyptian Temples

BOOK REVIEWS

A Cold Look at Warm-Blooded Dinosaurs, reviewed by B. K. McNab; The Origin of the Gulf of Mexico and the Early Opening of the Central North Atlantic Ocean, E. Uchupi; Human Genetics, E. A. Murphy; The Ecological Approach to Visual Perception, R. N. Haber; Books Received

REPORTS

Sediment Trap Experiment on the Galápagos Spreading Center, Equatorial Pacific: R. Cobler and J. Dymond

Stable Isotopes in Benthic Foraminifera: Seasonal Variation in Large Tropical Species: G. Wefer and W. H. Berger

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Executive Office
The Meteorite-Asteroid Connection: The Infrared Spectra of Eucrites, Shergottites, and Vesta: M. A. Feierberg and M. J. Drake

Human Taste: Response and Taste Bud Number in Fungiform Papillae: K. Arvidson and U. Friberg

Trophic Interactions Between Astrogial Cells and Hippocampal Neurons in Culture: G. A. Banker

Thyroid Hormone Receptor-Containing Fragment Released from Chromatin by Deoxyribonuclease I and Micococal Nuclease: D. B. Jump and J. H. Oppenheimer

Evidence for l-Glutamate as the Neurotransmitter of Baroreceptor Afferent Nerve Fibers: W. T. Talman, M. H. Perrone, D. J. Reis

Histamine-Mediated Delayed Permeability Response After Scald Burn Inhibited by Cimetidine or Cold-Water Treatment: J. V. Boykin Jr., et al.

Liver Tumors Induced in Rats by Oral Administration of the Antihistaminic Methapyriline Hydrochloride: W. Lijinsky, M. D. Reuber, B.-N. Blackwell

Induction of Follicle Separation in the Mosquito by Physiological Amounts of Ecdysterone: E. F. Beckemeyer and A. O. Lea

Puberty Delay by a Urinary Cue from Female House Mice in Feral Populations: A. Massey and J. G. Vandenbergh

Vitamin D Deficiency Inhibits Pancreatic Secretion of Insulin: A. W. Norman et al.

Factors Influencing the Inhibitory Effect of Selenium on Mice Inoculated with Ehrlich Ascites Tumor Cells: G. A. Greeder and J. A. Milner

Dexamethasone Fails to Suppress $\beta$-Endorphin Plasma Concentrations in Humans and Rhesus Monkeys: N. H. Kalin et al.

Phase-Sensitive Midbrain Neurons in Eigenmannia: Neural Correlates of the Jamming Avoidance Response: J. Bastian and W. Heiligenberg

Recall (Versus Recognition) of Taste and Immunization Against Aversive Taste Anticipations Based on Illness: J.-S. Chen and A. Amsel


**PRODUCTS AND MATERIALS**

- Powder Diffraction File; Trace Metals Analyzer; Plates for Ion-Exchange
- TLC; X-ray Spectrometer; Printing Counter; Monoclonal Antibodies to Detect Human Antigens; Transfer Pipettor; Literature

**COVER**

The Dardanelles and Sea of Marmara as seen by a German cartographer in 1694. Scholars at that time believed the city of Troy to be either mythical or located at an unidentified site to the south (right). Greek and Roman historians such as Strabo offered specific information as to the strategic location of Troy near the Dardanelles (Hellespont), but were generally ignored until the time of Schleimann (1870's). See page 776. [From an original print in the collection of John C. Kraft, University of Delaware, Newark]
Editor's Summary

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