LETTERS

Wistar Press: Comment on Closing: C. Gans; Food Additives: M. A. Benarde; Biotechnology and Profit: P. Siekevitz; Cancer Risk Assessment: M. Schach von Wittenau; Mercury in Sperm Whale Meat: J. F. Beary, III

EDITORIAL

National Science Foundation Hearings: R. W. Heyns

ARTICLES

New Experimental Data on Atmospheric Propagation: R. R. Shannon et al.
Terminal Cretaceous Extinction Scenario for a Catastrophe: S. Gartner and J. P. McGuirk
Technological Change in Agriculture: R. E. Just, A. Schmitz, D. Zilberman

NEWS AND COMMENT

Iran and America: The Failure of Understanding
No CAT Scans in Mexico for Shah?
Uncertainties Mark Space Program of the 1980's
Briefing: House Panel Reassured on Nonproliferation Policy; Carter Says No to WIPP, but DOE May Appeal

RESEARCH NEWS

Planetary Science on the Brink Again
The 1979 Nobel Prize in Physics: S. Coleman

ANNUAL MEETING

Annual Meeting, San Francisco; Toronto Meeting in 1981

BOOK REVIEWS

Evolutionary Biology and Human Social Behavior, reviewed by N. Howell; Images of the Earth, A. L. Donovan; Geological and Geophysical Investigations of Continental Margins, J. F. Dewey; Chemistry
PRODUCTS AND MATERIALS
Carbon Dioxide Electrode; Reversible HPLC Columns; Autoradiograph Image Enhancer; Septic Leach Detector; High-Pressure Liquid Chromatography; Scanning Electron Microscope; Scientific Computer; Literature

COVER
Masked water strider (Gerris remigis) with a samarium-cobalt magnet glued to its right foreleg. A computer-generated surface wave signal of 90 waves per second (highlighted by color bands) is imitating the male's signal through vertical oscillations of the magnet, which is driven by electromagnetic fluctuations from an encircling wire coil. Males can discriminate sex solely by presence or absence of this signal (body length of insect, about 14 millimeters). See page 1325. [R. Stimson Wilcox, State University of New York, Binghamton]
Editor's Summary

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