This Week in Science

LETTERS
Ecosystems of Deep-Sea Vents: E. Boyle; N. W. Pirie; H. W. Jannasch; Colon Cancer Screening: V. M. Franco

EDITORIAL
Agricultural Research and U.S. Trade: N. C. Brady

ARTICLES
Stone Age Prehistory of Northern Spain: L. G. Straus
The Changing View of Neural Specificity: S. S. Easter, Jr., D. Purves, P. Rakic, N. C. Spitzer
Bidirectional SV40 Transcription Mediated by Tandem Sp1 Binding Interactions: D. Giodoni et al.

NEWS AND COMMENT
AIDS Virology: A Battle on Many Fronts
Briefing: Getting More and Better Science Teachers; Senate Shaves NASA, NSF Budgets for 1986; EVIST Restored; Soviet Offer Puts Astronomers in a Bind; Gene-Spliced Hormone for Growth Approved
New Directions for the IOM
Congress Passes NIH Bill
Budget Decision Threatens Planetary Plan

RESEARCH NEWS
Clinical Trial for Parkinson’s Disease?
Proton-Antiproton Collisions at Fermilab
How Does Half a Bird Fly?
Signs of an Eastern Quake?

AAAS NEWS
Science 85 Celebrates Sixth Anniversary; AAAS Special Events at Chicago
BOOK REVIEWS

The Great Inertia, reviewed by J. B. Henderson; Coastal Geomorphology in Australia, P. D. Komar; Social Stigma, T. F. Pettigrew; Some Other Books of Interest; Books Received .................................................. 534

REPORTS

Time-Transgressive Late Cenozoic Radiolarian Events of the Equatorial Indo-Pacific: D. A. Johnson and C. A. Nigrini ................................................................. 538

Transposon Tagging to Detect a Latent Virus in Myxococcus xanthus: T. Starich, P. Cordes, J. Zissler ................................................................. 541


Vision Guides the Adjustment of Auditory Localization in Young Barn Owls: E. I. Knudsen and P. F. Knudsen ................................................................. 545


A Plasmodium falciparum Antigen That Binds to Host Erythrocytes and Merozoites: D. Camus and T. J. Hadley ................................................................. 553


Coronary Vasoconstrictor Effects of Atriopetin II: R. D. Wangler et al. ................................................................. 558

Selective Sparing of a Class of Striatal Neurons in Huntington’s Disease: R. J. Ferrante et al. ................................................................. 561

The 36-Kilodalton Substrate of pp60+src Is Myristylated in a Transformation-Sensitive Manner: J. Soric and J. A. Gordon ................................................................. 563

Ambient Levels of Ozone Reduce Net Photosynthesis in Tree and Crop Species: P. B. Reich and R. G. Amundson ................................................................. 566

Functional Relation Between HTLV-II x and Adenovirus E1A Proteins in Transcriptional Activation: I. S. Y. Chen, A. J. Cann, N. P. Shah, R. B. Gaynor ................................................................. 570

COVER

Barn owl (Tyto alba) moments before it strikes a mouse located beside the lens of the camera. This nocturnal hunter depends on its keen sense of hearing to locate prey in the dark. Young barn owls use vision to adjust their auditory localization accuracy. See page 545. [Eric I. Knudsen, Stanford University School of Medicine, Stanford, California 94305]