LETTERS News and Comment in Retrospect: D. S. Greenberg; Conflict Management: B. Wedge; Nuclear Power Prediction: G. L. Weil; Galileo’s Observations: P. Feyerabend 544

EDITORIAL Views from Paris 545

ARTICLES Quantum Nondemolition Measurements: V. B. Braginsky, Y. I. Vorontsov, K. S. Thorne 547

Arctic Oceanic Climate in Late Cenozoic Time: Y. Herman and D. M. Hopkins 557

Federal Policies Affecting Vaccine Research and Production: M. A. Riddiough and J. S. Willems 563

NEWS AND COMMENT A Light Rain Falls on OSHA 567

Carter Took Lead in Recruiting NSF Nominee 569

Heart Transplants: To Pay or Not to Pay 570

Briefing: Debate Continues on the Bomb That Wasn’t; Church Leaders Question Decision on New Genetics; Nuclear Industry versus Amory Lovins 572

Mass. General: No Heart Transplants Here 574


RESEARCH NEWS Budget Crunch Hits High Energy Physics 577

AAAS NEWS The AAAS Sections: J. Wrather; Plans Begin for 1980–81 Regional Energy Seminar Series; Science 80 Goes Monthly; AAAS Symposium Volumes: H. Nussbaum; COAL Meets to Plan Future Activities: C. M. McKell and P. Reining; AAAS Travelers; Foreign Graduate Students Attend R&D Colloquium 581
BOOK REVIEWS


REPORTS

The Indian Ocean Experiment: Introduction: J. C. Swallow


Subsurface Circulation in the Somali Current: A. Leetmaa et al.

Development of the Subsurface Currents of the Northern Somali Current Gyre from March to July 1979: F. Schott and D. R. Quadfasel

Evolution of Sea Surface Temperature in the Somali Basin During the Southwest Monsoon of 1979: O. B. Brown, J. G. Bruce, R. H. Evans

Southwest Monsoon of 1979: Chemical and Biological Response of Somali Coastal Waters: S. L. Smith and L. A. Codosipoti

Equatorial Currents in the Western Indian Ocean: J. R. Luften, M. Fieux, J. Gonella

Origin of the Warped Heliospheric Current Sheet: J. M. Wilcox, J. T. Hoeksema, P. H. Scherrer

Monozygotic Twin Formation in Mouse Embryos in vitro: Y.-C. Hsu and M. A. Gonda

Histone Gene Expression: Progeny of Isolated Early Blastomeres in Culture Make the Same Change as in the Embryo: R. J. Arceci and P. R. Gross

Effective Pulmonary Ventilation with Small-Volume Oscillations at High Frequency: A. S. Slutsky et al.

Vascular Permeation of Platelet Factor 4 After Endothelial Injury: I. D. Goldberg, M. B. Stemerman, R. I. Handin

Genetic Variation in the Human Insulin Gene: A. Ullrich et al.

Rapid Eye Movement Sleep PGO-Type Waves Are Present in the Dorsal Pons of the Albino Rat: J. Farber, G. A. Marks, H. P. Roffwarg


Fetal Exposure to Narcotics: Neonatal Sleep as a Measure of Nervous System Disturbance: D. F. Dinges, M. M. Davis, P. Glass

COVER

Immunofluorescent micrograph of rabbit iliac artery 30 minutes after endothelial removal. Indirect immunofluorescence was used to demonstrate platelet factor 4 antigen in the adhering platelets and in the vessel wall (about ×2000). See page 611 [I. D. Goldberg et al., Beth Israel Hospital, Boston, Massachusetts]