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

EDITORIAL
Views from Paris

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

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

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

NEWS AND COMMENT
A Light Rein Falls on OSHA

Carter Took Lead in Recruiting NSF Nominee

Heart Transplants: To Pay or Not to Pay

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

Mass. General: No Heart Transplants Here


RESEARCH NEWS
Budget Crunch Hits High Energy Physics

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
BOOK REVIEWS
At Odds, reviewed by J. F. Kett; The Human Biology of Circumpolar Populations, C. J. Utermohle; Pollution Ecology of Estuarine Invertebrates, R. O. Brinkhurs; Living without Oxygen, C. P. Mangum and N. A. Mauro; Books Received ................................................................. 584

REPORTS
The Indian Ocean Experiment: Introduction: J. C. Swallow ........................................ 588
Subsurface Circulation in the Somali Current: A. Leetmaa et al. ........................................... 590
Development of the Subsurface Currents of the Northern Somali Current Gyre from March to July 1979: F. Schott and D. R. Quadfasel .......................................................... 593
Evolution of Sea Surface Temperature in the Somali Basin During the Southwest Monsoon of 1979: O. B. Brown, J. G. Bruce, R. H. Evans ................................................................. 595
Southwest Monsoon of 1979: Chemical and Biological Response of Somali Coastal Waters: S. L. Smith and L. A. Codispoti ................................................................. 597
Equatorial Currents in the Western Indian Ocean: J. R. Luynen, M. Fieux, J. Gonella ........ 600
Origin of the Warped Heliospheric Current Sheet: J. M. Wilcox, J. T. Hoeksema, P. H. Scherrer ................................................................. 603
Monozygotic Twin Formation in Mouse Embryos in vitro: Y.-C. Hsu and M. A. Gonda ... 605
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 ................................................. 607
Effective Pulmonary Ventilation with Small-Volume Oscillations at High Frequency: A. S. Slutsky et al. ................................................................. 609
Vascular Permeation of Platelet Factor 4 After Endothelial Injury: I. D. Goldberg, M. B. Stemerman, R. I. Handin ................................................................. 611
Genetic Variation in the Human Insulin Gene: A. Ullrich et al. ........................................ 612
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 ................................................................. 615
Fetal Exposure to Narcotics: Neonatal Sleep as a Measure of Nervous System Disturbance: D. F. Dinges, M. M. Davis, P. Glass ................................................................. 619

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]