LETTERS
International Science: R. K. Sorem; Animals and Research: O. E. Reynolds; H. A. Schneider; Sakharov Appeal: P. J. Flory and M. Pripstein; Probing Titan’s Surface: V. R. Eshleman et al. ................................................................. 771

EDITORIAL
Mutual Deterrence or Nuclear Suicide: H. A. Simon ........................................ 775

ARTICLES
Chromospheres, Transition Regions, and Coronas: E. Böhme-Vitense .......................... 777
Human Physiology at Extreme Altitudes on Mount Everest: J. B. West .................... 784

NEWS AND COMMENT
The Selling of the Space Station ................................................................. 793
A Comeback for Soviet Studies ................................................................. 795
NSF Plans Help with Big Computer Problems .............................................. 797
Despite Doubts RAC Moving to Wider Role .............................................. 798
Shiga Toxin: No Smoking Gun ................................................................. 799

Briefing: Unusual Partners Launch a Biotechnology Venture; Is Shortage of Engineers a Matter of Definition?; Contraband Cells; NIDA Sees Bias in Scientists’ Drug Meeting; San Diego Picks Stars over Sodium. .......... 800

RESEARCH NEWS
Artificial Intelligence (I): Into the World ........................................................ 802
Fertility Hormones Cloned ........................................................................ 805
BOOK REVIEWS

Alan Turing, reviewed by R. E. Rider; Rivers, C. R. Thorne; The Evolution of Insect Mating Systems, J. K. Waage; Genes and Proteins in Oncogenesis, J. M. Coffin; Some Other Books of Interest; Books Received

REPORTS


A Common onc Gene Sequence Transduced by Avian Carcinoma Virus MH2 and by Murine Sarcoma Virus 3611: N. C. Kan et al.


Cardiac Atria of BIO 14.6 Hamsters Are Deficient in Natriuretic Factor: J. E. Chimoskey et al.

Microdifferential Holography and the Polysarcomeric Unit of Activation of Skeletal Muscle: M. Sharnoff, T. H. Karcher, L. P. Brehm


The Malaria Parasite Monitored by Photoacoustic Spectroscopy: D. Balasubramanian, Ch. Mohan Rao, B. Panijpan

An Ultrahigh-Speed Analysis of Exocytosis: Nematocyst Discharge: T. Holstein and P. Tardent

Avian Pancreatic Polypeptide Phase Shifts Hamster Circadian Rhythms When Microinjected into the Suprachiasmatic Region: H. E. Albers et al.


Oncogene Linked to Growth Factor Receptor

Lower part of the Western Cwm of Mount Everest showing part of Nuptse (background) and crevassed glacier with climbers (foreground). This was part of the route used by the 1981 American Medical Research Expedition to Everest; more than 2 tons of equipment passed through this region en route to the main laboratory camp at an altitude of 6300 meters. During the expedition, the first physiological measurements on man were made on the summit (altitude, 8848 meters). See page 784. [Photograph by Jeff Lowe, Latok Mountain Gear, Lyons, Colorado 80540]