Vapor Pressure of Water at Its Triple Point: Highly Accurate Value:
L. A. Guildner, D. P. Johnson, F. E. Jones .......................... 1261

Hemoglobin Synthesis in Somatic Cell Hybrids: Independent Segregation of the
Human Alpha- and Beta-Globin Genes: A. Deisseroth, R. Velez,
A. W. Nienhuis ......................................................... 1262

Elimination of the Sarcoma Genome from Murine Sarcoma Virus Transformed Cat
Cells: A. E. Frankel et al. ................................................. 1264

A Cytoplasmic Factor Promoting Oocyte Maturation: Its Extraction and Preliminary
Characterization: W. J. Wasserman and Y. Masui ..................... 1266

High Resolution of Human Chromosomes: J. J. Yunis .................. 1268

Stratospheric Aluminum Oxide: D. E. Brownlee, G. V. Ferry, D. Tomandl ..... 1270

Prostaglandin B: The L-Shaped Prostaglandin: G. T. DeTitta ............ 1271

Both Positive Reinforcement and Conditioned Aversion from Amphetamine and
from Apomorphine in Rats: R. A. Wise, R. A. Yokel, H. deWit .......... 1273

Cobra Venom Factor: Evidence for Its Being Altered Cobra C3 (the Third
Component of Complement): C. A. Alper and D. Balavitch ......... 1275

Laboratory Plate Tectonics: A New Experiment: R. F. Gans .............. 1276

Marine Oscillatoria (Trichodesmium): Explanation for Aerobic Nitrogen Fixation
Without Heterocysts: E. J. Carpenter and C. C. Price, IV ............. 1278

Pattern-Analyzing Memory: P. A. Kolers ................................ 1280

REM Sleep Induction by Physostigmine Infusion During Sleep: N. Sitaram et al. .......... 1281

β-D-Galactosidase Activity in Single Yeast Cells During Cell Cycle of
Saccharomyces lactis: J. Yashphe and H. O. Halvorson .......... 1283

Technical Comment: Duffy Blood Group and Malaria: A. P. Gelpi and M.-C. King .... 1284

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF
SCIENCE

REPORTS

PRODUCTS AND
MATERIALS

Minicomputer Series; Shatter-Proof Acid Bottles; Gas-Sensing Electrode;
Packaged Computer Systems; Liquid Chromatograph; Micromolecular Still;
Osmometer Standards; Peristaltic Pump; Residual Chlorine Electrode;
Liquid Chromatography Columns; Line Printers; Top-Loading Balance;
Literature .............................................................. 1286

AC CORMACK
BRICK MOSTELLER
CHAO NING CHEN
YANG YANG

VOYAGES (E)
J. S. Cannon
K. E. Bisque
AL SCIENCES (N)
Wayland
T. J. Johns
STICS (U)
del Parzen
Laser

BIOLOGICAL SCIENCES (G)
Edward L. Cooper
Jane C. Kallenberg
AGRICULTURE (O)
Onville G. Bentley
J. Lawrence Apple
ATMOSPHERIC AND HYDROSPHERIC
SCIENCES (W)
Fred D. White
Stanley A. Changnon, Jr.

WILLIAM T. GOLDEN
Treasurer
ANTHROPOLOGY (H)
David G. Mandelbaum
Philip Nash
INDUSTRIAL SCIENCE (P)
Burton V. Dean
Robert L. Stern
GENERAL (K)
Gordon J. F. MacDonald
Joseph F. Costes
WILLIAM D. CAREY
Executive Officer

Cover

Color composite pictures of Ganymede. Each is a superposition of two monochrome images, with a third primary color artificially added. Top picture uses image data taken by the Pioneer 10 spacecraft. The remaining two pictures are from restorations of these data by linear convolution (middle) and by maximum entropy (bottom). See page 1237. [B. R. Frieden and W. Swin-}
dell, University of Arizona/NASA-Ames Research Center]
Editor's Summary