15. LETTERS

Preventing Famine: G. Hardin; J. Mayer; Gordon Research Conferences: A. M. Cruickshank; Cosmic Billboards?: J. Beyea

1284

1289

EDITORIAL

Benefits, Risks, Vaccines, and the Courts

ARTICLES

Magnetoochemistry of Ions in the 4A2 Electronic State: R. L. Carlin

Antiviral Chemotherapy and Chemoprophylaxis: R. Dolin

Molecular Models for DNA Damaged by Photoreaction: D. A. Pearlman et al.


1291

1296

1304

1309

NEWS AND COMMENT

Clinical Trial Stirs Legal Battles

Briefing: NSF Selects Supercomputer Centers; AID Tightens Antiabortion Measures; Keyworth Attacks the Press; Hollywood Takes on Genetic Engineering

DOD Says “Nuclear Winter” Bolsters Its Plans

Rifkin and NIH Win in Court Ruling

French Education: Back to Basics

1316

1318

1320

1321

1322

RESEARCH NEWS

A Model Synchrotron Light Source in Berlin

Paleoclimates in Southern Africa

Why Do People Get Fat?

1323

1325

1327

BOOK REVIEWS

The Vavilov Affair, reviewed by N. Roll-Hansen; Malthus Past and Present, D. S. Smith; The Neolithic Transition and the Genetics of Populations in Europe, R. W. Dennell; Cerebral Dominance: M. S. Gazzaniga; Books Received

1329
Tidal Currents and Eddy Statistics from Iceberg Trajectories off Labrador: C. Garrett et al. .......................... 1333
Rheology of Glacier Ice: K. C. Jezek, R. B. Alley, R. H. Thomas .......................... 1335
Bacterial 5’-Nucleotidase in Aquatic Ecosystems: A Novel Mechanism of Phosphorus Regeneration: J. W. Ammerman and F. Azam .......................... 1338
Interspecific Morphogens Regulating Prey-Predator Relationships in Protozoa: H.-W. Kuhlmann and K. Heckmann .......................... 1347
Diagnostic Ultrasound and Sister Chromatid Exchanges: Failure to Reproduce Positive Findings: V. Ciavino et al. .......................... 1349
A Renal Countercurrent System in Marine Elasmobranch Fish: A Computer-Assisted Reconstruction: E. R. Lacy et al. .......................... 1351
Direct Visualization of Organelle Movement Along Actin Filaments Dissociated from Characean Algae: B. Kachar .......................... 1355
Hormonal Control of the Anatomical Specificity of Motoneuron-to-Muscle Innervation in Rats: S. M. Breedlove .......................... 1357
Expression of Myelin-Associated Glycoprotein by Small Neurons of the Dorsal Root Ganglion in Chickens: F. X. Omlin et al. .......................... 1359
Multiple Stable Isotopes Used to Trace the Flow of Organic Matter in Estuarine Food Webs: B. J. Peterson, R. W. Howarth, R. H. Garrett .......................... 1361
Mutual Restraint in Tree Swallows: A Test of the TIT FOR TAT Model of Reciprocity: M. P. Lombardo .......................... 1363
Response to Ethanol Reduced by Past Thiamine Deficiency: P. R. Martin et al. .......................... 1365
Suppression of Gamma Interferon Production by Inactivated Feline Leukemia Virus: R. W. Engelman et al. .......................... 1368

PRODUCTS AND MATERIALS

Image Analysis Software; Benchtop Shakers; Spectroscopy Software: Ion Chromatographic Analyzers; Nitrogen Analyzer; Refrigerated Centrifuge; Literature .......................... 1372

COVER

Icebergs, such as this dry dock in the Labrador Sea, present special concerns to marine shipping and hydrocarbon exploration along Canada’s east coast. This photograph illustrates several phenomena: a smooth surface characteristic of previous underwater exposure, recent spalling of the front face, undercutting or notching by waves at the waterline, and the presence of underwater rams (seen on the right and inferred on the left). See page 1333. [Petro-Canada Resources, Calgary, Alberta T2P 3E3, Canada]