LETTERS

Kin Recognition: P. Bateson; Soviet Science: H. P. Boas; A. J. Bard; Phoning Long Distance: N. M. Blachman; L. Lippman; L. Pollack; Keeping Up: S. P. Vives

EDITORIAL

They’re Playing Our Song: B. C. Denny

ARTICLES

Prudent Practices for Disposal of Chemicals from Laboratories: R. M. Joyce
Stress Hormones: Their Interaction and Regulation: J. Axelrod and T. D. Reisine

NEWS AND COMMENT

Sahel Will Suffer Even if Rains Come
Desertification Defines Ordeal of the Sahel
NAE Elects New Members
DeLauer Questions DOD Censorship
Briefing: OMB Challenges Plan to Regulate Biotechnology; Congress Probes DOE’s Nuclear “Slush Fund”; U.K. Plutonium Not Needed for Bombs, Hodel Says; Comings and Goings
A Novel Proposal on Chemical Weapons

RESEARCH NEWS

Strong New Candidate for AIDS Agent
Ancestors Worshipped
Graph Theory Result Proved
A New Kind of Epidemiology

AAAS NEWS

Annual Meeting Comes to the Big Apple; Reminder: Pacific Division to Meet in San Francisco; SWARM Meets in Lubbock: M. M. Balcomb; Presidents of Affiliate Societies Voice Concerns: J. Wrather; AAAS Science Photography Contest; AAAS Travelers; Insurance Administrator Address Change; Obituaries
BOOK REVIEWS

Agricultural Development in China, Japan and Korea, reviewed by T. Sicul;
Indians of the Upper Texas Coast, W. W. Newcomb; Background to
Paleoecology, J. E. Costa; Biochemistry and Physiology of the Skin,
P. F. A. Maderson; Books Received .......................... 484

REPORTS

Water Uptake by Roots Controls Water Table Movement and Sediment Oxidation
in Short Spartina Marsh: J. W. H. Dacey and B. L. Howes .................. 487

Ocean Circulation: Its Effects on Seasonal Sea-Ice Simulations: W. D. Hibler III
and K. Bryan ....................................................................... 489

Early Land Animals in North America: Evidence from Devonian Age Arthropods
from Gilboa, New York: W. A. Shear et al. .................................... 492

Trace Elements in Tree Rings: Evidence of Recent and Historical Air Pollution:
C. F. Baes III and S. B. McLaughlin ........................................ 494

Detection, Isolation, and Continuous Production of Cytopathic Retroviruses
(HTLV-III) from Patients with AIDS and Pre-AIDS: M. Popovic et al. ... 497

Frequent Detection and Isolation of Cytopathic Retroviruses (HTLV-III) from
Patients with AIDS and at Risk for AIDS: R. C. Gallo et al. ............... 500

Serological Analysis of a Subgroup of Human T-Lymphotropic Retroviruses
(HTLV-III) Associated with AIDS: J. Schüpbach et al. ..................... 503

Antibodies Reactive with Human T-Lymphotropic Retroviruses (HTLV-III) in the
Serum of Patients with AIDS: M. G. Sarnaghadaran et al. ................. 506

Inhibition of Platelet Aggregation by Monoclonal Antibody Reactive with
β2-Microglobulin Chain of HLA Complex: R. A. Curry, R. P. Messner,
G. J. Johnson ....................................................................... 509

Ancient Bisexual Flowers: J. F. Basinger and D. L. Dilcher .................... 511

Magnetometry of Ingested Particles in Pulmonary Macrophages: P. A. Valberg ... 513

Anatomically Distinct Opiate Receptor Fields Mediate Reward and Physical
Dependence: M. A. Bozarth and R. A. Wise .................................. 516

Laying Eggs in a Neighbor's Nest: Benefit and Cost of Colonial Nesting in
Swallows: C. R. Brown ................................................................ 518

Behavioral Sensitivity to Purinergic Drugs Parallels Ethanol Sensitivity in
Selectively Bred Mice: W. R. Proctor and T. V. Dunwiddie ................ 519

Vasopressin Injected into the Hypothalamus Triggers a Stereotypic Behavior in
Golden Hamsters: C. F. Ferris et al. ............................................. 521

Technical Comments: Factors in Ethanol Tolerance: B. Tabakoff et al.;
J. R. Wenger and S. C. Woods ................................................ 523

COVER

Polarbjorn (ice-strengthened ship, 50 meters long) moored to an ice floe at
81.1°N, 7°E in the marginal sea-ice zone in the Fram Strait region near
Svalbard (Norwegian Arctic). Photograph was taken at the end of June
1983. See page 489. [Vernon Squire, Scott Polar Research Institute, Cam-
bridge, England]