LETTERS
Scientists' Freedom to Travel: A. Kleinzeller, J. Brobeck, R. E. Forster; Composting Hazardous Wastes: M. S. Finstein; Laboratory Animal Feed: J. J. Knapka

EDITORIAL
The Cost of R & D Living: M. Berger and M. J. Cooper

ARTICLES

NEWS AND COMMENT
Choice of Los Alamos Director Stirs Critics

Briefing: Moscow Signal is No Death Ray but Still Cryptic; Doves Attack Salt II

U.S. Beginning to Act on Banned Pesticides

Lindbergh Letter to a Congressman Reflects Philosophical Approach to Science Policy

Scientists Organize for UNCSTD and After

RESEARCH NEWS
Tournament Competition Fuels Computer Chess

Einstein Explores High Energy Astrophysics

BOOK REVIEWS
Protostars and Planets, reviewed by J. A. Wood; Transfer RNA, B. R. Reid; Seeing Is Deceiving, D. Weintraub; European Prehistory, M. Jochim;
Evolutionary Systematics of the Bivalve Molluscs, A. Solem; Books
Received ................................................................. 1401

REPORTS
Seasat Mission Overview: G. H. Born, J. A. Dunne, D. B. Lane ........................................ 1405
Seasat Low-Rate Data System: J. W. Brown et al .............................................................. 1407
Surface Observations for the Evaluation of Geophysical Measurements from Seasat:
J. C. Wilkerson et al .................................................. 1408
Seasat Altimeter Calibration: Initial Results: B. D. Tapley et al ........................................... 1410
Seasat Scatterometer: Results of the Gulf of Alaska Workshop: W. L. Jones et al .................. 1413
Seasat Scanning Multichannel Microwave Radiometer: Results of the Gulf of Alaska
Workshop: R. G. Lipes et al ........................................... 1415
Seasat Synthetic Aperture Radar: Ocean Wave Detection Capabilities:
F. R. Gonzalez et al .................................................... 1418
Seasat Visible and Infrared Radiometer: E. P. McClain and R. A. Marks ............................... 1421
Venus: Further Evidence of Impact Cratering and Tectonic Activity from Radar Observations:
D. B. Campbell, B. A. Burns, V. Boriakoﬀ ................................................................. 1424
Dynamic Changes in Circulating 1,25-Dihydroxyvitamin D During Reproduction in
Rats: J. W. Pike et al ................................................... 1427
Dark Anaerobic Dinitrogen Fixation by a Photosynthetic Microorganism:
M. T. Madigan, J. D. Wall, H. Gest ........................................ 1429
Canine Babesia New to North America: J. F. Anderson et al ............................................. 1431
Laterality of Stereognostic Accuracy of Children for Words, Shapes, and Bigrams:
A Sex Diﬀerence for Bigrams: J. Cioﬃ and G. L. Kandel .............................................. 1432
Cholinergic Neurontrophic Factors: Intraocular Distribution of Trophic Activity for Ciliary Neurons: R. Adler et al .................................................. 1434
Goldﬁsh Retina: A Correlate Between Cone Activity and Morphology of the Horizontal Cell in Cone Pedicles: J.-P. Raynauld, J. R. Laviolette,
H.-J. Wagner ............................................................ 1436

COVER
Ocean surface winds derived from Seasat microwave scatterometer data for
14 September 1979, 17:15 G.M.T. Winds are indicated at each point to the
nearest 5 knots (full barb, about 10 knots, half barb, about 5 knots). The
data identify the storm center in the Gulf of Alaska, the westerly jet associ-
ated with it, the ridge of high pressure and weak winds to the south, and the
usually strong northerly ﬂow oﬀ the California coast. Cloud structure is
taken from Western GOES imagery. See page 1405. [Jet Propulsion Labora-
tory, Pasadena, California]