LETTERS

Handicaps and Careers: N. S. Sharpless; Nitrosamines in Animal Feed: W. Lijinsky; The Effectiveness of NEPA: P. J. Culhane; R. A. Liroff; S. K. Fairfax .......................................................... 1034

EDITORIAL

Margaret Mead .......................................................... 1043

ARTICLES

Radiological Impact of Airborne Effluents of Coal and Nuclear Plants: J. P. McBride et al. .......................................................... 1045
Gene Amplification and Drug Resistance in Cultured Murine Cells: R. T. Schimke et al. .......................................................... 1051
A Proposal to Modernize the American Antiquities Act: R. B. Collins and D. F. Green .......................................................... 1055

NEWS AND COMMENT

A General as Arms Control Chief: Opera Buffa or Brilliant Stroke? .......................................................... 1060
Voice from the Dead Names New Suspect for Piltdown Hoax .......................................................... 1062
Harvard, Science, and the Company of Educated Men and Women .......................................................... 1063
Follow-up on the Budget .......................................................... 1064

RESEARCH NEWS

Restriction Enzymes: Prenatal Diagnosis of Genetic Disease .......................................................... 1068
The 1978 Nobel Prize in Physiology or Medicine: S. Linn .......................................................... 1069

ANNUAL MEETING

Tours and Cultural Events .......................................................... 1072

BOOK REVIEWS

Social Standing in America, reviewed by L. A. Coser; Food Webs and Niche Space, S. L. Pimm; Mathematical Foundations of Quantum Theory,
A. S. Wightman: Evolution of Insect Migration and Diapause, C. G. Johnson: Books Received ........................................ 1074

REPORTS Solar Rotation Determined from Thomas Harriot’s Sunspot Observations of 1611 to 1613: R. B. Herr ........................................ 1079
Sieve Areas in Fossil Phloem: E. L. Smoot and T. N. Taylor .................. 1081
Rapid Light-Induced Changes in Near Infrared Transmission of Rods in Bufo marinus: H. H. Harary, J. E. Brown, L. H. Pinto .......................... 1083
Mediterranean Water: An Intense Mesoscale Eddy off the Bahamas: S. E. McDowell and H. T. Rossby ................. 1085
Kainic Acid Injections Result in Degeneration of Cochlear Nucleus Cells Innervated by the Auditory Nerve: S. J. Bird et al. ......................... 1087
Feedback Inhibition of Brain Noradrenaline Neurons by Tricyclic Antidepressants: α-Receptor Mediation: T. H. Svensson and T. Usdin ........ 1089
Angiotensin Regulates Release and Synthesis of Serotonin in Brain: V. E. Nahmod et al. ........................................ 1091
Halohydrocarbon Synthesis by Bromoperoxidase: R. Theller, J. C. Cook, L. P. Hager ........................................ 1094
Subsynaptic Plate Perforations: Changes with Age and Experience in the Rat: W. T. Greenough, R. W. West, T. J. DeVoogd .... 1096
Memory Impairment in Epileptic Patients: Selective Effects of Phenobarbital Concentration: C. M. MacLeod, A. S. Dekaban, E. Hunt ........................................ 1102


PRODUCTS AND MATERIALS Atomic Absorption Spectroscopy Lamps; Digital Thermometer; Modular Laboratory Computer; Modular Dry Bath; Sodium Electrode; Image Analyzer; Gel Permeation Chromatograph; Literature ........................................ 1110

COVER Page from Harriot’s manuscript showing drawings of the sun numbered 41 through 44. The first observation is from his residence at Syon House, 6 February 1612 (Julian calendar, year beginning 1 January). The symbol following the date identifies the weekday as Thursday; the hour is 7½. The subsequent three observations are from the London house of his close friend Sir Walter Raleigh. Harriot, elsewhere, has noted this to be 8 miles north and 4½ miles west of Syon. See page 1079. [By permission of Lord Egremont and Leconfield, Petworth House, Sussex]