LETTERS

EDITORIAL
Engineering and the National Science Foundation: L. M. Branscomb

ARTICLES
Interstellar Matter and Chemical Evolution: M. Peimbert, A. Serrano, S. Torres-Peimbert
Evolution of Proteolytic Enzymes: H. Neurath
Biotechnology as an Intellectual Property: R. G. Adler

NEWS AND COMMENT
Changes in Animal Care Policy Proposed
Congress, DOE Battle Over British Plutonium
Privacy Suit Puts Cancer Agency on Trial
The Price for More Generic Drugs
Briefing: Texas Repeals Antievolution Rules; India and Italy to Share Biotechnology Center; Rifkin Takes Another Shot at UC Experiment; Last Rights; Russia Gives Up Two Scientists

RESEARCH NEWS
Natural Language Understanding
Say What?
Microbial Adhesion Is a Sticky Problem
A New Way to Assign 31P Chemical Shifts

BOOK REVIEWS
The Royal Society of Edinburgh (1783–1983), reviewed by E. C. Patterson; The Mountains of Northeastern Tasmania, J. N. Jennings; Breeding Biology of the Adélie Penguin, A. J. Gaston; CO2 and Plants, C. H. Foyer; Books Received
VISUALIZATION OF TURBULENT FLAME FRONTS WITH PLANAR LASER-INDUCED FLUORESCENCE: G. Kychakoff et al. ................................................................. 382
TURBIDITY CURRENTS: MONITORING THEIR OCCURRENCE AND MOVEMENT WITH A THREE-DIMENSIONAL SENSOR NETWORK: F. H. Weirsch ........................................ 384
CONGRUENT PALEOMAGNETIC AND ARCHEO MAGNETIC RECORDS FROM THE WESTERN UNITED STATES: A.D. 750 TO 1450: K. L. Verosub AND P. J. MEHRINGER, JR. ...................... 387
INITIATION OF ANGIO GENESIS BY HUMAN FOLLICULAR FLUID: J. L. Frederick, T. Shimanuki, G. S. diZerega ........................................................... 389
RECTAL INSEMINATION MODIFIES IMMUNE RESPONSES IN RABBITS: J. M. Richards, J. M. Bed ford, S. S. Witkin ......................................................... 390
POTENTIATION OF OPIATE ANALGESIA AND APPARENT REVERSAL OF MORPHINE TOLERANCE BY PROGLUMIDE: L. R. Watkins, I. B. Kinscheck, D. J. Mayer .................. 395
PLASMODIUM KNOWLESI SPOROZOOITE ANTIGEN: EXPRESSION BY INFECTIOUS RECOMBINANT VACCinia VIRUS: G. L. Smith et al. .................................................... 397
REPRESSION OF REARRANGED \( \mu \) GENE AND TRANSLOCATED \( c-myc \) IN MOUSE 3T3 CELLS \( \times \) Burkitt Lymphoma Cell Hybrids: K. Nishikura et al. .................... 399
MOLECULAR MODEL FOR MESSENGER RNA SPlicing: M. MacCumber AND R. L. Ornstein ............................................................... 402
INHIBITION OF DIHYDROPERIDINE REDUCTASE BY NOVEL 1-Methyl-4-Pheny1-1,2,3,6-Tetrahydropryidine Analogs: C. W. Abell et al. ........................................ 405
CULTURED CELLS OF WHITE PINE SHOW GENETIC RESISTANCE TO AXENIC BLISTER RUST HYphae: A. M. Diner, R. L. Mott, H. V. Amerson .................................. 407
ANALYSIS OF HYDROTHERMAL VENT-ASSOCIATED SYMBIOMS BY RIBOSOMAL RNA SEQUENCES: D. A. Stahl et al. ........................................................ 409
CHROMOSOME ORGANIZATION AND HETEROCHROMATIN ELIMINATION IN PARASCARiS: C. Goday AND S. Pippinelli ......................................................... 411
PHENOTYPIC VARIATION WITHIN HISTOCOMPATIBILITY-DEFINED CLONES OF MARINE SPONGES: J. E. Neigel AND G. P. Schmahl ....................... 413
INGESTIVE BEHAVIOR EVOKED BY HYPOTHALAMIC STIMULATION AND SCHEDULE-INDUCED POLYDIPSIA ARE RELATED: G. Mittleman AND E. S. Valenstein ............ 415
AMPLIFICATION AND ENHANCED EXPRESSION OF THE EPIDERMAL GROWTH FACTOR RECEPTOR GENE IN A431 HUMAN CARCINOMA CELLS: G. T. Merlino et al. .......... 417
VIEW THROUGH A WINDOW MAY INfluence RECOVERY FROM SURGERY: R. S. Ulrich ........ 420

Digital picture of the chemical species distribution in a turbulent hydrogen-air jet flame is formed by imaging of laser-induced fluorescence. A planar cross section of the species OH is shown, with the jet center line at the top of the 3 by 3 centimeter visualized region. Such information is important for the understanding of questions concerning turbulent flame structure. See page 382. [George Kychakoff et al., Department of Mechanical Engineering, Stanford University, Stanford, California 94305]