LETTERS

EDITORIAL
Engineering and the National Science Foundation: L. M. Branscomb .............. 343

ARTICLES
Interstellar Matter and Chemical Evolution: M. Peimbert, A. Serrano, S. Torres-Peimbert .................................................. 345
Evolution of Proteolytic Enzymes: H. Neurath ........................................... 350
Biotechnology as an Intellectual Property: R. G. Adler ............................. 357

NEWS AND COMMENT
Changes in Animal Care Policy Proposed ............................................. 364
Congress, DOE Battle Over British Plutonium ...................................... 365
Privacy Suit Puts Cancer Agency on Trial ............................................. 367
The Price for More Generic Drugs ....................................................... 369

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 .......................................................... 370

RESEARCH NEWS
Natural Language Understanding .............................................................. 372
Say What? .............................................................................. 373
Microbial Adhesion Is a Sticky Problem ............................................. 375
A New Way to Assign 31P Chemical Shifts .......................................... 377

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 Adelie Penguin, A. J. Gaston; CO2 and Plants, C. H. Foyer; Books Received 378
Reports

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. Weirich ........................................... 384

Congruent Paleomagnetic and Archeomagnetic Records from the Western United States: A.D. 750 to 1450: K. L. Verosub and P. J. Mehringer, Jr. ............... 387

Initiation of Angiogenesis by Human Follicular Fluid: J. L. Frederick, T. Shimazu, G. S. diZerega .......................................................... 389

Rectal Insemination Modifies Immune Responses in Rabbits: J. M. Richards, J. M. Bedford, S. S. Witkin .......................................................... 390

Location and Chemical Synthesis of a Pre-S Gene Coded Immunodominant Epitope of Hepatitis B Virus: A. R. Neurath, S. B. H. Kent, N. Strick ............ 392


Plasmodium knowlesi Sporozoite Antigen: Expression by Infectious Recombinant Vaccinia Virus: G. L. Smith et al. .......................................................... 397

Repression of Rearranged c-myc Gene and Translocated c-myc in Mouse 3T3 Cells × Burkitt Lymphoma Cell Hybrids: K. Nishikura et al. ..................... 399

Molecular Model for Messenger RNA Splicing: M. MacCumber and R. L. Ornstein .......................................................... 402

Inhibition of Dihydropteridine Reductase by Novel 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropteryidine 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 Symbionts by Ribosomal RNA Sequences: D. A. Stahl et al. .......................................................... 409

Chromosome Organization and Heterochromatin Elimination in Parascaris: C. Goday and S. Pimpinelli .......................................................... 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


View Through a Window May Influence Recovery from Surgery: R. S. Ulrich .... 420

Cover

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]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools: http://science.sciencemag.org/content/224/4647

**Permissions**  Obtain information about reproducing this article: http://www.sciencemag.org/about/permissions.dtl

---

*Science* (print ISSN 0036-8075; online ISSN 1095-9203) is published weekly, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. Copyright 2016 by the American Association for the Advancement of Science; all rights reserved. The title *Science* is a registered trademark of AAAS.