571 This Week in Science

Editorial
573 Research Applications of Lasers: D. F. Voss

Letters

News & Comment
591 Thirty Ways to Temporize on Waste
592 Yale Accelerator to Be Dedicated
593 White House Spotlights New Superconductors
594 Nuclear Test Watchers Feel Political Heat
596 Bolivia Swaps Debt for Conservation
597 Briefing: Proposed Growth in U.K. Space Budget Rejected ■ Comings and Goings ■ Peer Review and ARS

Research News
598 The Genetics of Personality
599 Measuring Personality
602 Oncogene Action Probed: New Family of Growth Factor Genes Identified ■ ras Oncogene Activated in Human Colon Cancers
604 Compact Discs Shrinking Data Storage Costs

Articles
Laser in Research
605 Laser Techniques in High-Pressure Geophysics: R. J. HEMLEY, P. M. BELL, H. K. MAO
612 Laser Spectroscopy of Trapped Atomic Ions: W. M. ITANO, J. C. BERGQUIST, D. J. WINELAND
618 Hole-Burning Spectroscopy and Relaxation Dynamics of Amorphous Solids at Low Temperatures: R. JANKOWIAK and G. J. SMALL

Reports
628 First Polymer in Space Identified in Comet Halley: W. F. HUEBNER

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Laser spectroscopy of samples in diamond-anvil high-pressure cell. The excitation argon-ion laser (tuned to wavelength of 488 nanometers) is focused by a lens at upper right corner to a 100-nanogram hydrogen sample at a pressure of 30 gigapascals. The optical arrangement is used for Raman scattering, Brillouin scattering, ruby fluorescence, and laser heating at high pressures. See page 605.

[Photography by Linda Mao, Fairfax, VA]


642 Astrocytes Block Axonal Regeneration in Mammals by Activating the Physiological Stop Pathway: F. J. Liuzzi and R. J. Laserk


648 Concanavalin A Alters Synaptic Specificity Between Cultured *Aplysia* Neurons: S. S. Lin and I. B. Levitan

650 Pheromone Components and Active Spaces: What Do Moths Smell and Where Do They Smell It?: C. E. Linn, Jr., M. G. Campbell, W. L. Roelofs


665 Scientific Colonialism, reviewed by D. P. Miller ■ The Development of American Physiology, P. J. Fauly ■ To Infinity and Beyond, J. Callahan ■ Some Other Books of Interest ■ Books Received

669 Contour Mapping and SURFACE II: J. C. Davis

673 Computer System Reads 2-D Gels ■ EM with Variable Voltage, Pressure ■ Chemical-Structure Search Software ■ Polypropylene Filters for Liquid Clarification ■ ELISA Chromophore System ■ Color Electrostatic Plotter ■ Computerized Chemical Templates ■ MEDLINE on Optical Disk ■ Literature