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Viscosity of Lunar Lavas: <i>T. Murase</i> and <i>A. R. McBirney</i>	1491
Supersaturation of Gases in Water: Absence of Cavitation on Decompression from High Pressures: <i>E. A. Hemmingsen</i>	1493
Uranium Localization on Hydroxyapatite by Analysis of Fission Fragment Tracks: <i>R. C. Thompson</i>	1494
Fluid Transport: Concentration of the Intercellular Compartment: <i>B. J. Wall, J. L. Oschman, B. Schmidt-Nielsen</i>	1497
Postnatal Muscle Fiber Assembly: Localization of Newly Synthesized Myofibrillar Proteins: <i>E. Morkin</i>	1499
Cytogenetic Studies with Cyclamate and Related Compounds: <i>D. R. Stoltz et al.</i>	1501
Unified Account of the Variable Effects of Carbon Dioxide on Nerve Cells: <i>J. L. Walker, Jr., and A. M. Brown</i>	1502
Line and Grade in the Extinct Medius Species Group of <i>Sigmodon</i> : <i>R. A. Martin</i>	1504
Carbon Dioxide Fixation by Mouse Embryos prior to Implantation: <i>C. N. Graves and J. D. Biggers</i>	1506
Hyperbaric Oxygen: Effects on Metabolism and Ionic Movement in Cerebral Cortex Slices: <i>P. Joanny, J. Corriol, F. Brue</i>	1508
Wax Esters in Marine Copepods: <i>R. F. Lee, J. C. Nevenzel, G.-A. Paffenhöfer</i>	1510
Glycine Inhibition of Asparaginase: <i>W. L. Ryan and H. C. Sornson</i>	1512
Heterozygous Beta Thalassemia: Balanced Globin Synthesis in Bone Marrow Cells: <i>E. Schwartz</i>	1513
Bone Marrow and Spleen: Dissociation of Immunologic Properties by Cortisone: <i>M. A. Levine and H. N. Claman</i>	1515
Human Auditory Evoked Potentials: Possible Brain Stem Components Detected on the Scalp: <i>D. L. Jewett, M. N. Romano, J. S. Williston</i>	1517
<i>Technical Comments</i> : Denver Earthquakes: <i>E. Karp; R. B. Simon</i> ; Allelic Form of Enzymes: <i>R. C. Lewontin; J. G. Scandalios</i> ; Structure of Water: <i>B. Kamb; A. H. Narten and H. A. Levy</i>	1518
MEETINGS Physical and Chemical Aspects of Ionization and Excitation Processes: <i>F. Williams</i> ; Gene Regulation in Mammalian Cells: <i>S. Gluecksohn-Waelsch</i> ; Calorimetry: <i>G. C. Sinke</i>	1522

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COVER

Growth surface of the nacreous layer in *Pinctada radiata* (pelecypod). New crystals form at the margins of the overlapping mineral laminae (about $\times 2900$). See page 1486. [Sherwood W. Wise, Jr., University of Illinois]

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