Unique Type of Angiosperm Pollen from the Family Annonaceae: J. W. Walker .......................... 565
Quadriciic Elongation: A Quantitative Measure of Distortion in Coordination Polyhedra: K. Robinson, G. V. Gibbs, P. H. Ribbe .................................................. 567
Maintenance of Resting Potential in Anoxic Guinea Pig Venticular Muscle: Electrogeneic Sodium Pumping: T. F. McDonald and D. P. MacLeod ........................................... 570
Lesch-Nyhan Syndrome: Rapid Detection of Heterozygotes by Use of Hair Follicles: S. M. Garfier et al. .............................................................. 572
Deletions in Immunoglobin Polypeptide Chains as Evidence for Breakage and Repair in DNA: O. Smithies et al. .................................................. 574
Actinomycin D: Renewed RNA Synthesis after Removal from Mammalian Cells: A. Schiedeberg, R. C. Hendel, S. Chavanich .................................................. 577
Detoxication Enzymes in the Guts of Caterpillars: An Evolutionary Answer to Plant Defenses?: R. I. Krieger, P. P. Feeny, C. P. Wilkinson ........................................... 579
Mycorrhizal Enhancement of Water Transport in Soybean: G. R. Safir, J. S. Boyer, J. W. Gerdeman .............................................................. 581
Cholinergic Sensitivity: Normal Variability as a Function of Stimulus Background: L. Z. Bito, M. J. Dawson, L. Petrovich .................................................. 583
Butterfly-Plant Coevolution: Has Passiflora adenopoda Won the Selectional Race with Heliconine Butterflies?: L. E. Gilbert .................................................. 585
Norepinephrine Pools in Rat Brain: Differences in Turnover Rates and Pathways of Metabolism: J. J. Schildkraut, P. R. Draskoczy, P. S. Lo ........................................... 587
Activity of an NADPH-Dependent Nitroreductase in Houseflies: E. P. Lichtenstein and T. W. Fuhrmann .................................................. 589
Neural Regeneration: Delayed Formation of Central Contacts in Insect Sensory Cells: J. S. Edwards and J. Palka .................................................. 591
Culex (Melanoconion) aikenii: Natural Vector in Panama of Endemic Venezuelan Encephalitis: P. Galindo and M. A. Grayson .................................................. 594
Preavoidance Blood Pressure Elevations Accompanied by Heart Rate Decreases in the Dog: D. E. Anderson and J. V. Brady .................................................. 595
Free Recall and Abstractness of Stimuli: W. Bevan and J. A. Steger .................................................. 597
Differential Cerebral Processing of Noise and Verbal Stimuli: R. Cohn .................................................. 599
Acetylcholine Liberation from Cerebral Cortex during Paradoxical (REM) Sleep: H. J. Jasper and J. Tessler .................................................. 601

MEETINGS Engineering Foundation Conferences: S. S. Cole .................................................. 603

COVER Green leaves manufacture many chemical products. The details of the control of carbon metabolism are not fully understood, but the results of experiments answer some questions about specific molecular mechanisms. Feedback is apparently involved in the control of certain steps in these processes. See page 526. [Gary Laurish Photography, Washington, D.C.]