LETTERS  The Ozone Question: F. S. Rowland and M. J. Molina; T. L. Cairns and J. P. Jessor; The "Greenhouse Effect": R. G. Fleagle and J. A. Businger .......................... 1038


ARTICLES  Protein Crystal Structures: Quicker, Cheaper Approaches: D. M. Collins et al. 1047
The World Food Prospect: L. R. Brown .......................... 1053
The Controversy over Peer Review: T. Gustafson .......................... 1060

NEWS AND COMMENT  Energy: Plan to Use Peat as Fuel Stirs Concern in Minnesota .......................... 1066
Research May Escape Major Damage from $28 Billion Cutback .......................... 1070
Bulletin of the Atomic Scientists: Thirty Years of Clockwatching .......................... 1070
Science and Values Discussed at Moon-Sponsored Parley .......................... 1073

RESEARCH NEWS  Synchrotron Radiation (I): A Light for All Seasons .......................... 1074
Neurochemistry: Unraveling the Mechanism of Memory: P. Wallace .......................... 1076

ANNUAL MEETING  Frontiers of Science and Our Expectations: A. Herschman .......................... 1080

BOOK REVIEWS  The Evolution of Behavior and Animal Behavior, reviewed by D. P. Barash; The Florida Experience, P. R. Jutro; Ecological Diversity, R. M. May; Salt Glands in Birds and Reptiles, V. H. Shoemaker; Electric Current Flow in Excitable Cells, R. S. Eisenberg; Books Received .......................... 1088

REPORTS  Anaerobic Digestion: The Rate-Limiting Process and the Nature of Inhibition: C. D. Finney and R. S. Evans II .......................... 1090
Chromosome Damage in Liver Cells from Low-Dose Rate Alpha, Beta, and Gamma Irradiation: Derivation of RBE: A. L. Brooks .......................... 1090
Albugo-Like Oogonia from the American Carboniferous: B. M. Stidd and K. Cosentino ........................................... 1092
High Speed Scintillation Autoradiography: B. G. M. Durie and S. E. Salmon .......... 1093
Nongenetic Variability in Susceptibility to Oncogenesis: R. T. Prehn .......... 1095
Phosphoribosylpyrophosphate Overproduction, a New Metabolic Abnormality in the Lesch Nyhan Syndrome: G. H. Reem .......... 1098
5-Iododeoxyuridine Potentiation of the Replication in vitro of Several Unrelated RNA and DNA Viruses: J. A. Green and S. Baron .......... 1099
Thymus: Central Role in the Immune System of the Frog: E. P. Volpe and J. B. Turpen .......... 1101
Neisseria gonorrhoeae and Neisseria meningitidis: Extracellular Enzyme Cleaves Human Immunoglobulin A: A. G. Plaut et al .......... 1103
Latimeria, the Living Coelacanth, Is Ovoviviparous: C. L. Smith et al .......... 1105
Immunoglobulin E Antibodies to Pollen Allergens Account for High Percentages of Total Immunoglobulin E Protein: G. J. Gleich and G. L. Jacob .......... 1106
Infectious Etiology of Neuritic (Senile) Plaques in Mice: H. M. Wiśniewski, M. E. Bruce, H. Fraser .......... 1108
Adenosine 3', 5'-Monophosphate in Reproducing and Differentiated Trypanosomes: J. E. Strickler and C. L. Patton .......... 1110
Deficits in Binocular Depth Perception in Cats After Alternating Monocular Deprivation: R. Blake and H. V. B. Hirsch .......... 1114
Technical Comments: Stratigraphic Correlation: G. F. Brockman; Strategic Arms Debate: J. B. Walsh; S. J. Deitchman; K. Tsipis .......... 1116

PRODUCTS AND MATERIALS

Differential Cell Counter; Chloride-Carbon Dioxide Analyzer; Antibiotic Susceptibility Testing; Buffer Solutions; Animal Bedding Disposable Cabinet; Electron Microscope; Syringe Shield; Renin Activity Control Plasma; Spectrophotometer; Clinical Chemistry Analyzer; Blood Refrigeration; Rheumatoid Arthritis Diagnosis; Liquid Thyroid Function Test; Free Thyroxine Index; Literature .......... 1120

Cover

A rotation about a particular axis of the two lines connecting the alpha-carbon positions in a tripeptide. See page 1047. [D. M. Collins et al., Texas A & M University, College Station]