LETTERS
Cogeneration in West Germany: R. K. White and R. L. Goen; “Lovins’ Fever”?:
R. Nathans; Archeoastronomy at Pueblo Bonito: R. A. Williamson;
J. E. Reyman; Taxonomists Wanted: C. W. Beck .......................... 618

EDITORIAL
An International Partnership for Solar Power .................................. 623

ARTICLES
Soil Deterioration and the Growing World Demand for Food: R. A. Brink,
J. W. Densmore, G. A. Hill .................................................. 625
Increasing Crop Production Through More Controlled Photosynthesis:
J. A. Bassham ................................................................. 630
Earthquake Injuries Related to Housing in a Guatemalan Village: R. I. Glass et al. 638

NEWS AND COMMENT
Auburn Dam: Earthquake Hazards Imperil $1-Billion Project ................. 643
Ocean Scientists May Wash Hands of Sea Law Treaty ...................... 645
Research Status in DOE Looking Good .................................... 648
Game Theorist Morgenstern Dies ............................................. 649

RESEARCH NEWS
Solar Thermal Energy: Bringing the Pieces Together ........................ 650

BOOK REVIEWS
The Modern Rise of Population, reviewed by E. van de Walle; Evolution and
Morphology of the Trilobita, Trilobitoidea and Merostomata, M. E. Taylor;
Books Received and Book Order Service .................................... 652

REPORTS
Volcanic Activity and Great Earthquakes at Convergent Plate Margins: M. J. Carr .......................... 655
Catechol Estrogens: Presence in Brain and Endocrine Tissues: S. M. Paul and
J. Axelrod ................................................................. 657
Porphyrin Induction: Equivalent Effects of $\Delta^4$H and $\Delta^5$H Steroids in Chick Embryo Liver Cells: J. K. Stephens, P. W. F. Fischer, G. S. Marks. 659
Hydrodynamic Evidence in Support of Spacer Regions in Chromatin: K. S. Schmitz and B. Ramsay Shaw. 661
1,25-Dihydroxycholecalciferol and Parathormone: Effects on Isolated Osteoclast-Like and Osteoblast-Like Cells: G. L. Wong, R. A. Luben, D. V. Cohn. 663
Hepatic Binding Protein: The Protective Role of Its Sialic Acid Residues: R. J. Stockert, A. G. Morell, I. H. Scheinberg. 667
Desulfurization of Coal by Use of Chemical Communion: P. H. Howard and R. S. Datta. 668
Structure of a Molluscan Cardiocexcitatory Neuropeptide: D. A. Price and M. J. Greenberg. 670
DNA Strand Scission by Benz(a)pyrene Diol Epoxides: H. B. Gamper et al. 671
Interferon: An Inducer of Macrophage Activation by Polyanions: R. M. Schultz, J. D. Papamatheakis, M. A. Chirigos. 674
Polymorphism and Geographic Variation in the Feeding Behavior of the Garter Snake Thamnophis elegans: S. J. Arnold. 676
Resource Partitioning in Bumble Bees: The Role of Behavioral Factors: D. H. Morse. 678
Toxicity of Mild Prenatal Carbon Monoxide Exposure: L. D. Fechter and Z. Annau. 680
Developmental Neuroethology: Changes in Escape and Defensive Behavior During Growth of the Lobster: F. Lang et al. 682
Return of Myosin Heads to Thick Filaments After Muscle Contraction: N. Yagi et al. 685
Appetitive and Replacement Naps: EEG and Behavior: F. J. Evans et al. 687
The Spinning Rotation of Ash and Tulip Tree Samaras: C. W. McCutchen. 691
Disruption of Sex Pheromone Communication in a Nematode: L. W. Bone and H. H. Shorey. 694

COVER

The collapse of adobe dwellings was the main cause of death and injury following the earthquake in Guatemala, as it has been in other areas of Latin America. Epidemiologic study of the relation between house construction and health effects following earthquakes can provide clues for the prevention of death and injury in areas of the world prone to these natural disasters. See page 638. [Roger I. M. Glass, Center for Disease Control, Atlanta, Georgia 30333]