LETTERS

EDITORIAL
A Damaging Source of Air Pollution

ARTICLES
Direction of Chain Growth in Polysaccharide Synthesis: P. W. Robbins et al.
Electronic Properties of Amorphous Materials: J. Tauc

NEWS AND COMMENT
The Synthesis of DNA: How They Spread the Good News
In vitro Synthesis of DNA: A Scientific Assessment
Environmental Pollution: Researchers Go to Court
Scientists Form Group to Back McCarthy

BOOK REVIEWS

REPORTS
Solar Oblateness and Fluid Spin Down: B. E. McDonald and R. H. Dicke
Biochemical Genetics of Oxidative Phosphorylation: L. Kovac, T. M. Lachowicz, P. P. Slonimski
Lambda Transition in Liquid Sulfur: G. E. Sauer and L. B. Borst
Enzyme Reaction Rates at Limited Water Activities: J. J. Skulins and A. D. McLaren
**Solid-Phase Radioimmunoassay in Antibody-Coated Tubes**: K. Catt and G. W. Tregear

**Carbohydrate Supply as a Regulator of Rat Liver Phosphoenolpyruvate Carboxykinase Activity**: E. Shrago, J. W. Young, H. A. Lardy

**A Requirement for Two Cell Types for Antibody Formation in vitro**: D. E. Mosier

**Growth of Isolated Mesophyll Cells of Arachis hypogaea in Simple Defined Medium in vitro**: P. C. Joshi and G. R. Noggle

**Comparative X-Ray and Neutron Diffraction Study of Bonding Effects in s-Triazine**: P. Coppens

**Gibberellin Delays Ripening of Tomatoes**: H. C. Dostal and A. C. Leopold

**Sulfide Solubilities in Alteration-Controlled Systems**: J. J. Henley et al.

**Red Cells Coated with Immunoglobulin G: Binding and Sphering by Mononuclear Cells in Man**: A. F. LoBuglio, R. S. Cotran, J. H. Jandl

**Electron Microscopy: Enhancement of Specimen Contrast by Injection of Atoms**: J. H. Manley

**Phage Lambda Mutants Deficient in rII Exclusion**: B. D. Howard

**Renin-Like Enzyme in the Adrenal Gland**: J. W. Ryan

**Efficiency of the First Component of Complement (C'1) in the Hemolytic Reaction**: H. R. Colten, T. Borsos, H. J. Rapp

**Olfactory Input to the Hypothalamus: Electrophysiological Evidence**: J. W. Scott and C. Pfaffmann

**Puromycin and Retention in the Goldfish**: A. Potts and M. E. Bitterman

**Hormone-Mediated Nutritional Control of Sexual Behavior in Male Dung Flies**: W. Foster

**Responses of Human Somatosensory Cortex to Stimuli below Threshold for Conscious Sensation**: B. Libet et al.

**Actinomycin D Blocks Formation of Memory of Shock-Avoidance in Goldfish**: B. W. Agranoff et al.

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**ASSOCIATION AFFAIRS**

Breaching the Walls: W. G. Berl

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**MEETINGS**

Cleft Lip and Cleft Palate: F. C. Fraser; Mammalian Oviduct: E. S. E. Hafez; Calendar of Events

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**COVER**

Rosette pattern created by red cells coated with antibodies and adhering to a human mononuclear cell. Receptors on monocytes, macrophages, and certain lymphocytes specifically bind a particular portion (the Fc-fragment) of immunoglobulin G molecules attached to the surface of red cells. The entrapped red cells are spheroidal and deformed but do not necessarily undergo phagocytosis (about × 9300). See page 1582. [A. F. LoBuglio, R. S. Cotran, and J. H. Jandl, Harvard Medical School]