### LETTERS


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### EDITORIAL

Animal Care Legislation

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### ARTICLES

Remarks on Nuclear Structure: A. de-Shalit
Excretion and Heartwood Formation in Living Trees: C. M. Stewart
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### NEWS AND COMMENT

Canada: Science Council Created; HUAC: Forage in Academia

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### BOOK REVIEWS

ESP: A Scientific Evaluation: review by C. W. Churchman; other reviews by J. Janovy, Jr., H. L. Nieburg, R. H. Thomason, H. Fagin, B. S. Finn, P. O. Vandervoort

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### REPORTS

Genetic Relations of Oceanic Basalts as Indicated by Lead Isotopes: M. Tatsumoto
Oxygen Fugacities Directly Measured in Migmatic Gases: M. Sato and T. L. Wright
Brightness Distributions of Radio Sources at 2-Centimeter Wavelength: S. H. Zisk
Tropopause Detected by Radar: D. Atlas et al.
Mercury: Infrared Evidence for Nonsynchronous Rotation: S. L. Soter
Generation and Detection of Coherent Elastic Waves at 114,000 Mc/sec:
J. Ilukor and E. H. Jacobsen

Brassica campestris L.: Floral Induction by One Long Day: D. J. C. Friend and V. A. Nelson

Differentiation in vitro: Effects of Sephadex Fractions of Chick Embryo Extract:
H. G. Coon and R. D. Cahn

Polysomes Extracted from Escherichia coli by Freeze-Thaw-Lysozyme Lysis:
E. Z. Ron, R. E. Kohler, B. D. Davis

Inorganic Pyrophosphate: Formation in Bacterial Photophosphorylation:
H. Baltschetsky et al.

Heat-Labile Serum Factor Required for Immunofluorescence of Polyoma Tumor Antigens: K. K. Takemoto, R. A. Malmgren, K. Habel

Mucopolysaccharide from Patients with Cystic Fibrosis of the Pancreas:
C. U. Lowe et al.

Nucleic Acid Guanine: Reaction with the Carcinogen N-Acetoxy-2-Acetylamino-fluorene: E. C. Miller, U. Juhl, J. A. Miller

Diabetes, a New Mutation in the Mouse: K. P. Hummel, M. M. Dickie, D. L. Coleman

Plasma Replacement for in vitro Culture of Plasmodium knowlesi: Q. M. Geiman, W. A. Siddiqui, J. V. Schnell

Methylene-C14-Dioxophenyl Compounds: Metabolism in Relation to Their Synergistic Action: J. E. Casida et al.

Occurrence of Isoprenoid Fatty Acids in the Green River Shale: G. Eglinton et al.

Plasma Kinins and Cortisol: A Possible Explanation of the Anti-Inflammatory Action of Cortisol: M. J. Cline and K. L. Melmon

Odor Discrimination in Pigeons: W. W. Henton, J. C. Smith, D. Tucker

Anolis carolinensis: Effects of Feeding on Reaction to Aposematic Prey:
O. J. Sexton, C. Hoger, E. Ortlieb

Bioluminescence: F. H. Johnson

Developing tylosis in the wood of Eucalyptus obliqua. In general, a tylosis is formed by growth of a portion of a cell wall either into the lumen of a neighboring tracheary element or into an intercellular space, such as the duct of a resin canal. Such cellular outgrowths tend to fill the adjacent space, thus obstructing the movement of solutions (preservatives, pulping liquor) through the wood (Scale: about 1 cm = 1 micron).
See page 1068. [R. C. Foster, Forest Products Laboratory, C.S.I.R.O., Melbourne, Australia]
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