Strengthening the Basis of National Security: Board of Directors, American Association for the Advancement of Science

Human Ecology: A Problem in Synthesis: P. B. Sears

News and Notes
Astronomical Highlights in 1954; Marine Biology in Latin America; and Regular Departments

Book Reviews
Structures and Reactions of Aromatic Compounds; Abnormal and Pathological Plant Growth; Elsevier's Encyclopaedia of Organic Chemistry; Index IX to Literature of American Economic Entomology; Psychiatric Interview; How to Understand Propaganda; Atlas of Men; Anatomy of Weeds; Complete Strategist; Linear Analysis; Statistical Approach to X-ray Structure Analysis; Mammalian Hybrids; Autotrophic Microorganisms; Elements of Food Engineering; Heat Transmission

Technical Papers
Nuclear Volume and Testosterone-Induced Changes in Secretory Activity in the Submaxillary Gland of Mice: V. Valeri

Exudate of the Mushroom, Polyporus dryadeus: B. Libet

Cation-Induced Respiration in Barley Roots: E. Epstein

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Enzyme Concentrations in the Brain and Adjustive Behavior-Patterns: D. Krech et al.

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Identity of Sweat Glands Stimulated by Heat, Epinephrine, and Acetylcholine: S. M. Mellinkoff and R. R. Sonnenschein

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Communications
Incidence of Lung Tumors in Albino Mice Exposed to Smoke of Cigarette Paper: J. M. Essenberg

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Suggestions for Contributors
Meetings & Conferences