Sickle Cell Anemia, a Molecular Disease: Linus Pauling et al. 543

The American Philosophical Society: Abstracts of Papers Presented at the 1949 Autumn Meeting 548

Technical Papers
Mutual Interaction of Polyelectrolytes: Raymond M. Fuoss and Hussein Sadek 552

Is Chloride a Coenzyme of Photosynthesis? Daniel I. Arnon and F. R. Whatley 554

The Action of Mineral-Ion Exchange Resins on Certain Milk Constituents: C. W. Gehre and E. F. Almy 556

The ΔG/AP Ratio after the Administration of Dextrose as an Index of Insular Function: Francisco De Venanzi 558

Amino Acids in the Mitochondrial Fractions of Tissues as Determined by Paper Partition Chromatography: Chao-t'ie Li and Eugene Roberts 559

On the Participation of the Reticulo-endothelial System in the Alarm Reaction: P. S. Timiras and H. Selye 560

Colorimetric Estimation of Noradrenalin in the Presence of Adrenalin: U. S. von Euler and Ulla Hamberg 561

Syntheses of Isotopically Labeled 2,4-Dichlorophenoxyacetic Acid (2,4-D) and Derivatives: Henry R. Mahler, R. J. Speer, and Ammarette Roberts 562

Synergism of Thromboplastic Extracts: Synergistic Activity of Rabbit Lung and Brain Thromboplastic Extracts: S. Goleb et al. 563

Chromatographic Analysis of a Mixture of Proteins from Egg White: Herbert A. Sober, Gerow Kegates, and Frederick J. Gutter 564

Comments and Communications
The Synthesis of Vitamin B₆ in the Digestive System of the Sheep; Scientific Research vs. the Theory of Probabilities; Name of the Soybean; A Six-Segment Head Regenerate in a Supposedly Refractory Earthworm Species, Lumbricus castaneus; Savigny 1826; Determination of Condition of Oysters; Effect of Dioxane and Sodium Hydroxide upon Lens Capsule and Cortex (Squalus sp.) 566

Book Reviews
Economic geography of the USSR; Veterinary helminthology; Personal adjustment in old age; Mathematical foundations of statistical mechanics; Introduction to statistical mechanics 569

Association Affairs 571

News and Notes 573