

raphies. Without casting aspersions on the unmentioned, the reviewer would draw special attention to the superb article on bioluminescence which closed the career of the late Professor E. N. Harvey, to the clear, objective review of muscle contraction by S. V. Perry, and, as already mentioned to the Atkinson-Morton article on the thermodynamics of the phosphate compounds. This book has also provided a valuable summary of much recent work on carbohydrate biochemistry by the distinguished Argentine school.

The subject matter of this book lies in the frontier between biochemistry and cell physiology, and it seems reasonable to consider it required reading for all such frontiersmen, provided they can afford the wampum.

DEPARTMENT OF BIOCHEMISTRY
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Encyclopedia of Chemical Technology. Edited by RAYMOND E. KIRK, Head, Department of Chemistry, Polytechnic Institute of Brooklyn, and DONALD F. OTHMER, Head, Department of Chemical Engineering, Polytechnic Institute of Brooklyn. Second Supplement Volume. ANTHONY STANDEN, Editor. Interscience Publishers, Inc., 250 Fifth Avenue, New York 1, N. Y. 1960. xv + 970 pp. 19.5 × 26.5 cm. Price, \$25.00.

The Second Supplement Volume of Kirk and Othmer's "Encyclopedia of Chemical Technology" is now available to take its place on the library reference bookshelf beside the original 15 volumes and the First Supplement Volume which was published in 1957. The intent of this new volume, like that of the First Supplement Volume, is to keep the Encyclopedia up to date. This is done not by merely summarizing new material of minor importance on the subjects of the original volumes, but to introduce new subjects on prominent developments in the fields of chemistry and chemical engineering. It appears that this objective has been achieved in the new supplement.

The Second Supplement Volume contains articles on 59 subjects covering chemicals, materials, methods, processes and equipment. Each is written by an authority in the field following the same general format and purposes prescribed by the Editors for the original works. The articles are arranged in alphabetical order and contain cross refer-

ences to the original volumes. The index covers this volume alone, but an integrated list of the articles in the first 15 volumes, together with the two supplements, are included at the end of this Second Supplement Volume.

The subject headings of the articles appearing in the Second Supplement Volume are

Acetylene	Oxo process
Acetylenic alcohols	Penicillin
Ammonium nitrate	Perchloryl fluoride
Analgesics	Polycarbonates
Beryllium and beryllium oxide	Poly(ethylene oxide)
Borazines	Polymethylbenzenes
Boron compounds	Polyoxetanes
Cells, electric	Polypropylene
Ceramics	Polyvinylpyrrolidone
Cesium and cesium compounds	Radioisotopes
Chemical coding	Rocket propellants, solid
Chitin as a chemical raw material	Rubber, halogenated butyl
Coffee, instant	Rubidium and rubidium compounds
Complexometry	Solid state, dislocation theory
Corrosion	Solions
Cryogenics	Stereoregular and linear addition polymers, synthesis
Cyclopentadiene and dicyclopentadiene	Sugar derivatives
Diffusion separation	Sulfur hexafluoride
Electrodeposition of metals from nonaqueous media	Synthesis gas
Epoxydation	Tantalum
Free radicals	Thermodynamics—irreversible processes
Fuel cells	Thermoelectric power conversion
Gas chromatography	Titanium and titanium alloys
Geochemical prospecting	Tool materials for machining
Glass	Ultraviolet absorbers
Helium	Unsaturated polyester resins
Laminated products	Index to Second Supplement Volume
Magnetic materials	Scope of the Encyclopedia—Integrated List of Articles
Mica, synthetic	
Nitric acid concentration	
Nonionic surfactants	
Organotin compounds	

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