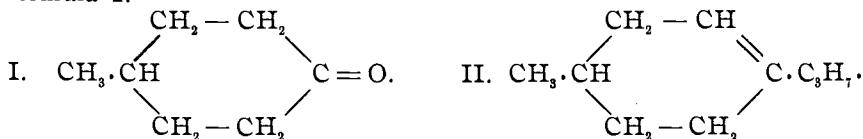
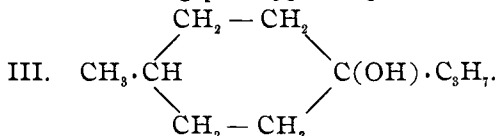


thene (*Pr. Chem. Soc.* 21, 255-56). Hexahydro-*p*-toluic acid reacts with phosphorus pentachloride and bromine, giving *a*-bromhexahydro-*p*-toluic acid. By hydrolysis with soda this is changed into the hydroxy acid, which is decomposed by sulphuric acid, giving carbon monoxide (from formic acid), and 1, 4-methylcyclohexanone; boiling point, 170°; formula I.



1,4-Methylcyclohexanone reacts readily with magnesium isopropyl iodide to form *tertiary menthol*; boiling point 95° at 25 mm.; formula III.



When this is heated with potassium hydrogen sulphate, *inactive menthene* is produced (formula II). It boils at 168°, and forms the characteristic nitrosochloride melting at 128°.

UNIVERSITY OF CHICAGO,  
CHICAGO, ILL.

---

## NEW BOOKS

NOTIONS FONDAMENTALES DE CHIMIE ORGANIQUE. BY CH. MOUREU, professeur à l'École supérieure de Pharmacie de l'Université de Paris; deuxième édition, revue et augmentée. Paris: Gauthier-Villars. 1906. 320 pp.

In this new edition the author has revised and enlarged the previous one so as to bring it up to date. The manner of presenting the subject remains the same as before, all organic compounds being grouped to illustrate various "functions"—hydrocarbons, alcohol function, acid function, &c., the different classes of acyclic and cyclic compounds being treated under these various functions. The chapter on hydrocarbons, for example, includes all classes of hydrocarbons, acyclic and cyclic; that on alcohols, all alcohols, both fatty and aromatic, and so on. It is a very good introduction to the study of organic chemistry and fulfils well its object of pointing out to the student the broad general lines of the theory of the subject by a succinct and very general discussion of the most important classes of organic substances, considering together all those of similar function.

MARSTON TAYLOR BOGERT.

GENERAL PRINCIPLES OF ORGANIC SYNTHESIS. BY P. ALEXEYEFF, Late Professor of Chemistry, University of Kieff, Russia. Authorized translation with revisions and additions by J. MERRIT MATTHEWS, PH. D., Head of Chemical Department, School of Industrial Art, Philadelphia. New York: John Wiley & Sons. 1906. 8vo., viii + 246 pages. Cloth, \$3.00

In preparing a translation of Alexeyeff's book on the methods for the