

### Summary

Attempts to synthesize a 3,4-dialkylacetylacetone have yielded negative results, but 3-methylacetylacetone was prepared and from it 2,3,5-trimethylthiophene by the action of phosphorus pentasulfide. From this thiophene was prepared 2,3,5-trimethyl-4-acetylthiophene, which was reduced to 2,3,5-trimethyl-4-ethylthiophene.

WHITING, INDIANA

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### NEW BOOK

**Dispersoidanalyse. Die Methoden der Teilchengrößenbestimmung und ihre theoretischen Grundlagen.** (The Methods for the Determination of the Size of Colloidal Particles and the Theoretical Considerations Involved.) BY FRIEDRICH-VINCENZ v. HAHN, Hamburg. Theodor Steinkopff, Residenzstrasse 32, Dresden-Blasewitz, Germany, 1928. xxiv + 553 pp. 165 figs. 15.5 × 23.5 cm. Price, unbound, M. 39; bound, M. 42.

This monograph is Volume III of a handbook describing single aspects of colloid science. It deals with a problem which practical men in many fields, as, for example, those interested in the study of soil or clay, or filter-passing bacteria, have to solve. The book provides an admirable summary of our present resources in this direction. It describes the various experimental methods hitherto developed: optical, mechanical (filtration and ultrafiltration), methods depending upon diffusion, or upon Stokes' Law, estimations of the surface of particles and other special methods. It incidentally brings together a large number of interesting observations. There are 165 figures, mainly of apparatus, and the monograph is provided with indexes of authors, of subjects and of substances occupying altogether 55 pages. This is a volume which will provide indispensable information or save any amount of time for all those who happen to be concerned with any of the aspects of this general problem. It is interesting to note that this thorough yet concise treatment of this special subject is almost twice as lengthy as Svedberg's general monograph recently reviewed.

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