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T H E S I S

Submitted for the Degree of Doctor of Science

by

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THE CONDENSATION OF ALDEHYDES WITH PIPERITONE.

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Introduction.

The work of which an account is given in this thesis was originally undertaken at the instance of Professor J. Read. In view of the remarkable dimorphic properties of benzylidene piperitone it was thought desirable to extend the investigation to other arylidene piperitones, which could be prepared by the method previously devised for the former compound.

For the working out of the various alternative methods of condensation, the present author is responsible. In addition, the question of the structure of these compounds, which was taken as settled by Prof. Read and his collaborators, has now been reopened in the light of the evidence brought forward in this thesis.

Part of the work is being embodied in a paper to be published shortly in conjunction with Professor Read.