

SCIENCE

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MSS. intended for publication and books, etc., intended for review should be sent to the Editor of SCIENCE, Garrison-on-Hudson, N. Y.

THE AMERICAN CHEMICAL SOCIETY AND SECTION C OF THE AMERICAN ASSO- CIATION FOR THE ADVANCEMENT OF SCIENCE

II

ORGANIC CHEMISTRY SECTION

Julius Stieglitz, Chairman

Stereoisomeric Chlorimido Esters: W. S. HILPERT.

The work is an elaboration and continuation of the work of Stieglitz and Earle, who in 1903 discovered the stereoisomeric chlorimido esters of meta-nitro-benzoic acid.

The new stereoisomers discovered are: methyl chlorimido p-nitrobenzoates, ethyl chlorimido p-nitrobenzoates, methyl chlorimido 4-methyl-3-nitrobenzoates, methyl chlorimido beta-naphtoates, ethyl chlorimido beta-naphtoates.

For each pair of isomers identity of structure was proven by chemical means; the impossibility of polymeric forms being present was substantiated by molecular weight determinations, and physical or crystal isomerism was shown to be absent by the fact that each of every pair of stereoisomers maintained its identity in all changes of physical conditions.

The Applications of Physical Chemistry to Organic Chemistry: JULIUS STIEGLITZ.

The author first called attention to the valuable aid given by physico-chemical methods in the study of isomerism, of stereoisomerism of the asymmetric type and of the "cis-trans" type, and of tauto-