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The articles, of which summaries follow below, have been published in the Dutch language in „Verslag van de gewone vergadering der Afdeeling Natuurkunde” of June 26th, 1943, Vol. LII, No. 6.

Les articles dont les résumés suivent ci-dessus, ont été publiés en langue néerlandaise dans le „Verslag van de gewone vergadering der Afdeeling Natuurkunde” du 26 juin 1943, Tome LII, No. 6.

**Chemistry.** — VERKADE, P. E., E. F. J. JANETZKY, E. G. G. WERNER and J. LIESTE: *Synthesis of ring-systems by reactions between homocyclic or heterocyclic amino-compounds with an “aromatic” character and  $\alpha$ -halogene-carbonyl-compounds*, p. 295.

VERKADE and JANETZKY have lately made an extensive investigation of the reaction between primary and secondary aromatic amines and  $\alpha$ -monobromoketones. Thus this reaction has become a quite applicable synthesis of indole derivatives, containing hydrocarbon residues in the places 2 and/or 3. It has now appeared that the applicability of this synthesis can be much extended by a different choice of the starting materials.

1. The  $\alpha$ -monobromoketone can be replaced by other  $\alpha$ -halogeno-carbonyl compounds, containing in addition one or more other functional atoms or groups (e.g. bromodiketones, esters of bromoketocarboxylic acids, etc.).

2. The amine may also contain one or more other functional atoms or groups (e.g. esters of aminocarboxylic acids).

3. The amine need not be a benzene derivative. Condensed homocyclic primary and secondary amines can also be used, provided the amine function is found in an “aromatic” nucleus (e.g.  $\alpha$ - and  $\beta$ -naphthylamine).

4. The homocyclic amine can be replaced by a heterocyclic amine, provided, of course, that the amine function is found in a nucleus with an “aromatic” character (e.g. 6-amino-quinoline).

Some possibilities of this synthesis and also a restriction of its applicability are pointed out.

**Chimie.** — VERKADE, P. E., E. F. J. JANETZKY, E. G. G. WERNER et J. LIESTE: *Synthèse de systèmes annulaires au moyen de réactions entre des amines homocycliques ou hétérocycliques de caractère „aromatique” et des combinaisons  $\alpha$ -halogencarbonyliques*, p. 295.

VERKADE et JANETZKY ont récemment exécuté des recherches profondes sur la réaction entre des amines aromatiques primaires et secondaires et des