

## CHRONICLES

### 12TH UKRAINIAN REPUBLICAN CONFERENCE ON ORGANIC CHEMISTRY

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The 12th Ukrainian Republican Conference on Organic Chemistry, organized by the Institute of Organic Chemistry of the Academy of Sciences of the Ukrainian SSR (IOC AS Ukr. SSR) and Uzhgorod State University, was held in Uzhgorod from October 14 to 18, 1974.

More than 300 individuals, including 250 out-of-towners, representing 40 different scientific organizations of cities of the Ukraine, Moscow, Leningrad, Kazan, and Ufa, participated in the conference.

More than 120 papers, as well as lectures by Professor I. P. Beletskaya and V. M. Potapov of Moscow University entitled, respectively, "Ambident ions" and "Optical activity and structure of organic compounds," were presented at the conference.

Problems of the structure and reactivity of organic compounds, mechanisms of organic reactions, the chemistry of the heteroorganic compounds of intermediates and dyes, and of natural and physiologically active compounds were examined in the conference. A considerable number of the papers were devoted to heterocyclization and the chemical transformations and structures of heterocycles.

For example, the heterocyclization of N-( $\beta,\beta$ -dichlorovinyl)enamides proved to be a convenient method for the synthesis of the previously unknown 5-oxazolones with a phosphonyl group in the ring, azlactones containing a dichloromethylene group, and 5-aminooxazole derivatives (A. V. Kirsanov et al., IOC AS Ukr. SSR). The reaction of monosubstituted  $\alpha$ -amino ketones with phosphorus or silicon chlorides leads to the synthesis of new heterocyclic five-membered systems (Yu. G. Gololobov et al., IOC AS Ukr. SSR). A number of 1,3,2-oxazophospholane derivatives were obtained from o-aminophenols (A. N. Pudovik et al., Kazan).

An interesting report on the synthesis and study of the structures of derivatives of dihydro-2-quinazolinone and its seven-, eight-, and nine-membered cyclic homologs, which are formed in the condensation of aromatic 2-amino ketones with urea or with derivatives of the appropriate amino acids, was presented by A. V. Bogat'skii (Odessa University).

Yu. V. Migalina, I. V. Smolanka, and V. I. Staninets (Uzhgorod University, IOC AS Ukr. SSR) reported the reaction of selenium and tellurium tetrahalides with 1,5- and 1,6-diolefins, which gives selen(tellur)oxazans, seleno(telluro)thians, and selen(tellur)azans.

G. G. Dyadyusha (IOC AS Ukr. SSR) gave a review of new research on the phenomenon of the drawing apart of absorption bands during the interaction of bonded chromophores, which was discovered and studied in detail previously by Academician A. I. Kiprianov.

Reports of the synthesis and study of the properties of cyanine dyes (L. M. Yagupol'skii IOC AS Ukr. SSR; L. M. Muchkalo, Kiev University) were interesting.

Papers devoted to the structures of various heterocyclic systems were also of interest: a study of the conformational equilibria and reactivities of functional derivatives of isoindole and indolizine (F. S. Babichev et al., Kiev University), the stereochemistry of  $\alpha,\beta$ -unsaturated ketones (V. F. Lavrushin, S. V. Tsukerman et al., Khar'kov University), and the stereochemical aspects of the formation of and the properties of substituted 1,3-dioxepans (A. V. Bogat'skii, G. K. Kamalov, N. G. Luk'yanenko, Yu. Yu. Samitov, and M. Barton, Odessa and Kazan Universities and Szeged University, Hungary).

One should also note that L. M. Yagupol'skii, L. A. Alekseeva et al. (IOC AS Ukr. SSR, Odessa Polytechnic Institute) reported some principles of the fluorination of carbonyl- and

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carboxyl-containing compounds and oxiranes with sulfur tetrafluoride; A. N. Kost, Z. F. Solomko et al. (Moscow and Dnepropetrovsk Universities) gave information regarding the synthesis and properties of some 1,4-diazepinediones and 1,5-benzodiazepinones; S. N. Baranov, O. P. Shvaika et al. (Donetsk Physical-Organic Chemistry Branch, Institute of Physical Chemistry, AS Ukr. SSR) examined the rearrangement of 4-hydrazinoazolones and the peculiarities of addition to azolium systems; A. K. Sheinkman et al. (Donetsk University) reported new syntheses in the furan and indole series based on reactions with cyclic cations; and A. I. Tolmachev et al., (IOC AS Ukr. SSR, Kiev University) reported the reaction of pyrylocyanines with nucleophilic agents.

The 13th Ukrainian Republican Conference on Organic Chemistry is projected for 1977 in Donetsk or Odessa.