

CHRONICLES

INTERUNIVERSITY CONFERENCE ON SOME PROBLEMS IN THE CHEMISTRY OF CARBONYL COMPOUNDS

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An interuniversity conference on the topic "Some Problems in the Chemistry of Carbonyl Compounds," which was dedicated to the 100th anniversary of the birthday of Corresponding Member of the USSR V. V. Chelintsev, head of the department of organic chemistry of Saratov University from 1918 to 1947, was held from June 28 to June 30, 1977, in Saratov.

A total of 45 papers, some of which involved the chemistry of heterocycles, were presented in the conference in the names of 130 authors.

V. G. Kharchenko (Saratov) presented a review paper on the scientific research accomplished by V. V. Chelintsev and his students on the mechanism of the formation of organomagnesium compounds, complexing, and oxygen-, nitrogen-, and sulfur-containing organic compounds (particularly the chemistry of pyrrole, furan, etc.).

G. N. Dorofeenko (Rostov-on-Don) presented a paper on the synthesis of new heterocyclic systems in the reaction of pyrylium salts with guanidine, thioaniline, azomethines, benzaldoxime, thiourea, and phenyl isocyanate with lithium phenylacetylides and lithium derivatives of esters of ethynylcarbinols and on the conversion of 2,6-diarylpyrylium salts to 3-aryl-5-phenacylpyrazolines and oxazolines.

L. V. Mezheritskaya and E. S. Matskovskaya (Rostov-on-Don) reported electrophilic substitution reactions of 1,3-dioxolanium salts that lead to the synthesis of 2-substituted dioxolanes (the hydrolysis of which makes it possible to obtain various aromatic aldehydes and ketones).

Data on the configuration of three-ring systems obtained from methylenebiscyclohexanone (T. A. Vysotskaya) and on the synthesis of new two-ring and polycyclic tetrahydropyrimidine compounds (V. A. Kaminskii) was given.

E. I. Stankevich and Ya. Ya. Ozol (Riga) reported the synthesis and properties of pyridinedione and the isomerization and oxidative transformations of 2-methylamino-2-alkylindane-1,3-diones. Some properties of benzylideneindane-1,3-diones were examined in a paper presented by I. K. Anokhina (Voronezh).

A. F. Oleinik (Moscow) reported new data on the arylation of furan derivatives and the peculiarities of the Meerwein reaction of the products obtained.

New data on the conversion of 1,5-diketones to oxygen-, sulfur-, and nitrogen-containing heterocyclic compounds were examined in a series of papers presented by Saratov University (V. G. Kharchenko and co-workers). Quantum-mechanical calculations that make it possible to give a quantitative estimate of the hydride and proton labilities of the hydrogen atoms in the C₍₂₎ and C₍₄₎ positions of thiopyrans were presented, and various aspects of the practical application of substances of this type were examined.

The problems involved in the reductive amination of ketones of the furan series were also discussed in the conference.

Most of the papers dealt with problems in the chemistry of carbonyl compounds.

Professor I. I. Lapkin (Perm), M. G. Keiko (Irkutsk), K. A. Alekseeva (Leningrad), and others presented papers in this area.