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THIRD UKRAINIAN REPUBLIC CONFERENCE ON ORGANIC CHEMISTRY

The Third Ukrainian Republic Conference on Organic Chemistry was held from 13 to 17 Nov 1953 in Kiev at the Institute of Organic Chemistry, Academy of Sciences Ukrainian SSR. The conference was attended by chemists from Kiev, Khar'kov, Dnepropetrovsk, Moscow, L'vov, Odessa, Uzhgorod, and other cities. Because of the large number of reports to be presented, the following two sections were organized in addition to the plenary sessions: (1) a section on organic synthesis, and (2) a section on dyestuffs and color properties. Twenty-nine reports were presented at nine meetings. The conference passed the following Resolution of the Third Ukrainian Republic Conference on Organic Chemistry.

The Third Ukrainian Republic Conference on Organic Chemistry notes that the decision of the September plenum of the Central Committee CPSU on measures to further the development of agriculture in the USSR, and the decision of the Central Committee of the CPSU and the Council of Ministers USSR aiming at the achievement of a sharp rise in agriculture, light industry, and food industry over the next 2 or 3 years, has an important meaning for Soviet science. These decisions pose important problems before Ukrainian organic chemists and the Ukrainian chemical industry.

Thanks to the direction and concern extended by the Communist Party and the Soviet Government, Ukrainian chemists have been given great responsibilities for the development of modern research on a high scientific level.

The conference revealed that at the research establishments and at the chairs of organic chemistry of higher educational institutions at various Ukrainian cities, especially Kiev, Khar'kov, L'vov, Dnepropetrovsk, Rubezhnoye, and Uzhgorod, scientific research is being conducted along lines closely connected with present-day practical requirements. However the conference notes that the development of scientific research in the field of organic chemistry in the Ukraine still does not correspond fully to the problems put before the organic chemists by the decisions of the 19th Congress of the CPSU, and the decrees issued by the Party and the Government.

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The conference on organic chemistry notes that:

1. Coordination of scientific research being done at the chairs of higher educational institutions and at the scientific research establishments is lacking in the Ukraine.
2. Work on high-molecular compounds (plastics, synthetic fibers, crude rubber, finished rubber, raw materials for paints and lacquers, etc.) has still not been developed in the Ukraine. Personnel for work in these fields is not being prepared at the higher educational institutions of the Ukraine.
3. Work on the utilization of cyclic compounds derived from coal tar has not been sufficiently developed.
4. In spite of the fact that a Laboratory of Aromatic Compounds has been created within the Institute of Organic Chemistry Ukrainian SSR, and that the work of this laboratory deals with such important problems as the search for new insectofungicides, the Presidium of the Academy of Sciences Ukrainian SSR did not provide the laboratory with the necessary housing facilities and personnel.
5. The chairs of organic chemistry at higher educational institutions are not sufficiently well-provided with modern laboratory equipment. This interferes with conducting scientific research on a high level.

With the aim of expanding the work of Ukrainian organic chemists along the lines stipulated by the Fifth Session of the Supreme Soviet USSR, the September plenum of the CPSU, the October plenum of the Ukrainian Communist Party, and the subsequent decrees of the Central Committee of the CPSU and the Council of Ministers USSR, the Third Ukrainian Republic Conference on Organic Chemistry considers it necessary to:

1. Pose the question of creating a center in the Ukraine for coordinating work in organic chemistry.
2. Assure development in the Ukraine of work on high-molecular compounds by taking the following steps:
 - a. Create at either one or two Ukrainian higher educational institutions chairs on plastics and on synthetic fibers.
 - b. Ask the Presidium of the Academy of Sciences Ukrainian SSR to decide the question of creating a laboratory of high-molecular compounds at the Institute of Organic Chemistry, Academy of Sciences Ukrainian SSR during the current 5-year period.
3. View as the foremost problem of Ukrainian organic chemists the development of a large number of effective insectofungicides in the near future for the fight against plant pests, with the purpose of rendering the quickest aid in the task of sharply increasing agricultural yields. For this purpose it is essential to take the following steps:
 - a. Recommend to the chairs of higher educational institutions that they include in the research plans for 1954-1955 problems dealing with the chemical means for fighting plant pests and also problems dealing with plant growth substances and organic fertilizers.
 - b. Ask the Presidium of the Academy of Sciences Ukrainian SSR to take urgent measures for implementing its decisions on providing the Laboratory of Aromatic Compounds, Institute of Organic Chemistry, Academy of Sciences Ukrainian SSR, with the necessary housing facilities and personnel, thus assuring development of the work done by this laboratory.

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4. Develop scientific research work on the study of organic raw materials found in the Ukraine and on the broad industrial utilization of products contained in coal and lignite tars, as well as in natural and industrial gases and in petroleum.

Ask the Ministry of Ferrous Metallurgy USSR to restore to a full extent the work done earlier in this field at the Coal Chemistry Institute in Khar'kov.

5. Develop on a broader scale work on the complex purification of waste waters from Ukrainian factories.

6. Draw the attention of Ukrainian organic chemists to the necessity of studying the by-products of the agricultural and wood industries.

7. Continue work on the development of Butlerov's materialistic theory of structure in the light of modern concepts of the structure of matter, and broaden the use of physicochemical methods of research (spectroscopic, electrographic, X-ray, kinetic, etc.) for this purpose.

8. Develop on a broader scale the study of the history of organic chemistry and technology in the Ukraine.

In connection with the pending celebration of a historical date in the lives of the Russian and Ukrainian people, that of the union of the Ukraine with Russia, the conference calls on all organic chemists in the Ukraine to present reports popularizing achievements in the field of chemical sciences in the Ukraine.

9. Ask the Ministry of Chemical Industry USSR to improve the supply of chemical reagents to chemical laboratories; and especially organize the supply and wide sale of technical products including intermediates, low-boiling substances in cylinders, technical acids, caustic alkalies, and solvents.

Ask the Ministry of Machine and Instrument Building USSR to improve the supply of modern apparatus to chemical laboratories.

10. Draw the attention of the Ministry of Culture USSR to the necessity of increasing allocations of funds for the purchase of modern equipment for the chairs of organic chemistry and organic technology at the higher educational institutions.

11. Recommend to the scientific research establishments and to the chairs of the higher educational institutions that they broaden cooperative work with industrial enterprises by concluding agreements of friendship with these enterprises.

The conference calls on all Ukrainian organic chemists to direct all of their efforts towards fulfilling the tasks set forth by the 19th Congress of the CPSU in the field of science, and towards the fulfillment of the decisions of the September plenum of the Central Committee of the CPSU and of the October plenum of the Ukrainian Communist Party, and finally, to the manufacture of industrial goods for the people, especially for the food products.

12. Hold the Fourth Conference on Organic Chemistry in 2 years.

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