

Xth Conference on Coordination Chemistry

The *Xth Conference on Coordination Chemistry* organized by the Slovak Chemical Society, Slovak Technical University, Komenský University, and the Slovak Academy of Sciences in Bratislava was held from June 4 to June 7, 1985, in the House of Scientific Workers of the Slovak Academy of Sciences at Smolenice.

The conference was attended by 96 participants from 9 countries: Bulgaria 4, Czechoslovakia 61, German Democratic Republic 8, German Federal Republic 4, Hungary 4, Italy 1, Poland 9, Soviet Union 4, Yugoslavia 1.

Thirteen plenary lectures (40 minutes) and fourteen section lectures (20 minutes) were delivered and seventy posters were presented at the conference. Their essential parts are published in the *Proceedings of the Xth Conference on Coordination Chemistry* (97 papers, 532 pp.) which contains also a chapter dealing with history of all nine foregoing conferences.

The plenary lectures dealt with the following topics: Cu^{2+} and Ni^{2+} in Tetrahedral Coordination — Experimental Evidence for Jahn—Teller Distortion (*D. Reinen*, German Federal Republic), Cooperative Effects in Crystals with Jahn—Teller Centres (*Yu. V. Yablokov*, the Soviet Union), Selective Complex Formation with Sulfonamide Substituted Thioligands (*E. Uhlig*, German Democratic Republic), Coordination Chemical Studies on Copper(II) Complexes of *N*-Nicotinoyl Amino Acids (*C. Friebel*, German Federal Republic), Photogeneration of Reactive Low-Valent Transition Metal Complexes (*O. Traverso*, Italy), Spin Trapping of Radicals in Reactions of Inorganic and Coordination Compounds (*D. Rehorek*, German Democratic Republic), Kinetics and Mechanism of Ligand Substitution in Four-Coordinate Nickel(II) Chelate Complexes: A Study on the Reactivities of Planar and Tetrahedral Configurational Isomers and Octahedral Adducts (*H. Elias*, German Federal Republic), Homogeneous Metal Complex Catalyst Design (*J. Ziolkowski*, Poland), Actual Developments of Pseudoelement Concepts and Their Application in Coordination Chemistry (*H. Köhler*, German Democratic Republic), Influences of Thiocyanate Bond Types in Mixed Ligand Coordination Compounds on Their Biochemical Behaviour (*H. Böhland*, German Democratic Republic), On the Electronic Influence of Carbanions in Metal Complexes (*D. Steinborn*, German Democratic Republic), Capillary Mössbauer Spectroscopy — A New Method in Solution Chemistry (*K. Burger*, Hungary), ESCA Investigation of Copper Complexes (*V. I. Nefedov*, the Soviet Union).

The conference was devoted to topical problems and various fields of contemporary coordination chemistry, especially to the relationship between the structure of coordination compounds and their chemical reactivity mainly in substitution, redox and catalytic reactions, to the problems of kinetics and mechanisms, photochemistry and photocatalysis of coordination compounds and the studies of coordination compounds by means of quantum chemical calculation, X-ray, magnetic, EPR, ESCA, Mössbauer and other spectroscopic methods.

The delivered lectures and presented posters were widely and vividly discussed. The pleasant milieu of the Smolenice Castle contributed to a good atmosphere at the conference which offered many possibilities for informal social contacts, discussions and exchange of inspiring ideas and opinions. The scientific and social program of the conference was positively affected by its jubilee character. The Slovak Technical University and Komenský University

in Bratislava awarded the medals of honour to sixteen prominent chemists from all over the world for their contributions to the development of coordination chemistry and to the highest scientific level of the Conferences on Coordination Chemistry held at Smolenice.

The next Conference on Coordination Chemistry at Smolenice is planned to be held in June 1987.

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