THE SYMPOSIUM ECONOMIC-CYBERNETIC SYSTEMS AND MODELS

The Laboratories of the Economic Cybernetics Department, within the Academy of Economic Studies hosted between May 21st and 26th a symposium on economic-cybernetic systems and models organized under the auspices of the Ministry of Education, the Academy of the Socialist Republic of Romania in collaboration with the Ministry of Education of the German Democratic Republic.

On behalf of the German Democratic Republic, the symposium was attended by Prof. dr. sc. Gottfried Schulze of the" Wilhelm Pieck" University of Rostock, Prof. dr. sc. Hans Lauenroth, chief of the Cybernetics Department of the "Martin Luther" University of Halle-Wittenberg, deputy chief of the Cybernetics Group of the German Democratic Republic, Prof. dr. sc. Siegfried von Känel of the Technical University of Dresden, chief of the Cybernetics Group of the German Democratic Republic, Prof. dr. sc. Klaus Jürgen Richter, Dean of the Faculty of Cybernetics of the "Friedrich List" Institute of Transport of Dresden and Dr. sc. Hartmut Schultze, chief of the Cybernetics discipline at the Department for Economic Sciences of the Humboldt University in Berlin.

Participating on behalf of our country were academic staff and researchers of the Economic Cybernetics Department and of other sections of the Academy of Economic Studies, Also present at the symposium were academic staff, researchers and specialists of the "Stefan Gheorghiu" Academy, the Central Institute for Management and Informatics, the Bucharest Polytechnic Institute, the Bucharest University, the Computing Centre of the Central Board of Statistics, the Centre of Cybernetics and Informatics for Planning, the Computing Centre of the Ministry of Chemical Industry, the Organizing and Cybernetics Centre for Constructions, etc.

The debates unfolded both in plenums and in sections, approaching problems of theoretical and applicative research in economic cybernetics. The papers and reports presented by both the researchers and academic staff of our country and by the German guests have underlined the preoccupations for the application of the latest methods and techniques of economic cybernetics in solving concrete problems of the economy. They have also revealed once more the high efficiency of the economic cybernetics methods and techniques in optimizing a multitude of economic problems both at a macro and micro-economic level. The subject of the symposium included problems on cybernetic-economic modelling in macro-economic forecast and planning, the trends of development in using micro-economic cybernetic

models, the modelling of planning on territorial development, the hierarchy of management in cybernetic-economic systems, the optimizing of the use of computing systems, simulation models of processes in the national economy, management and planning models of production in industry, metal allocation models, the representation in an optimal relation of centralization and decentralization in the management of big production systems, information systems for the chemical industry and for the management of economic units, data banks for education, for establishing the flows of goods transportation zones in a maritime harbour, optimizing models and informatic systems for foreign trade, etc. The high conduct of the papers presented and the many discussions generated by them have outlined the fact that both theoretical and applicative research in the field of economic cybernetics enjoys a large support in our countries.

The Symposium debates have evinced the high value of the results obtained by the Romanian school of economic cybernetics, a school which enjoys the highest support of the Party and State leadership, the personal support of the President of the Socialist Republic of Romania, Nicolae Ceaușescu, Party General Secretary, a tireless fighter for the introduction and promotion of the new in all fields of socio-economic life.

The participants in this scientific manifestation have underlined the constant support granted by President Nicolae Ceaușescu in the development of science, the contribution to the promotion and turning of cybernetics into an active factor for the progress of mankind, as results also from the speech delivered on the occasion of the awarding of the "Norbert Wiener" gold medal of the World Organization for Systems and Cybernetics: ... "along side many gains of genius of mankind, cybernetics holds an important place. It is affirmed in the preoccupation to build a better and more righteous world, in which each nation should develop freely, in which people can turn to account their knowledge and in which both the peoples' and individual personality should assert itself."

The awarding of the first "Norbert Wiener" gold metal of the World Organization for General Systems and Cybernetics is a recognition of the profoundness of the political thinking, of the revolutionary conception characteristic of the entire activity of the President of Romania, of his contribution to promoting the new, of his thezes of inestimable theoretical and practical value which enrich the scientific thesaurus and are at the basis of the entire policy of our Party and State, in the building of the multilaterally developed socialist society in our country.

The Bucharest Academy of Economic Studies, a prestigious economic school, where a valuable academic staff is unfolding its activity, has contributed to the implementation of the economic growth programmes, it constantly promotes the study of modern economic disciplines among which economic cybernetics holds an important place and stimulates the development of fundamental and applicative research in the field of economic cybernetics.

Ever since their foundation, the Research Laboratories of the Economic Cybernetics Department within the Academy of Economic Studies have pursued a harmonious blending of the theoretical with the applicative re-

search, at the same time, having as a long-standing objective the planning and organization of economic activity, based on the introduction of modelling methods and technics, of mathematical investigating instruments, of modern data processing techniques and means for a scientifically rigorous substantiation of the complex decision-making process in the economic field. The entire scientific research in the field of economic cybernetics within the Economic Cybernetics Department takes place under the direct guidance of Academician, Prof. Manea Mănescu, a world famous scientist. Along his entire academic and research activity, Academician Prof. Manea Mănescu has made an outstanding contribution of high scientific conduct and prestige to the development of economic cybernetics.

Foreseeing the large possibilities provided by the science of management in investigating the socio-economic phenomena, in the scientific management of production processes, in easing man's work, Academician, Prof. Manea Mănescu has made a major contribution both to the theoretical substantiation of the economic cybernetic methods and techniques and to their direct application in productive activity. Through his entire activity, Academician, Prof. Manea Mănescu has contributed to the formation and development of the Romanian school of economic cybernetics, to the promotion of an original conception and of a permanent exchange and scientific collaboration with schools, institutions, academies, teaching and research collectives in other countries.

The studies made in the solution of practical problems by the Laboratories of the Economic Cybernetics Department on the basis of contracts concluded with economic enterprises and the studies of other departments and collectives of the Academy of Economic Studies were the object of a fruitful exchange of opinions at the symposium, on which occasion the participation of the Department of Economic Cybernetics and of other collectives of the Academy of Economic Studies in solving the problems raised by practical life in economy and in the development of the theory of economic cybernetics has once more been underlined.

As part of the symposium, an exchange of experience has taken place at the Computing Centre of Chemical Industry, during which the participants have discussed the conception on the informatic system of the chemical industry and its application in the production processes, both at the level of units and at a branch level.

The achievements obtained by the specialists of this computing centre in applying informatics in technological engineering, economic management and technological processes, have been underlined on that occasion.

At the same time, at the "Stefan Gheorghiu" Academy an exchange of opinions has taken place on the scheduling of production, on management systems, on staff training in the field of informatics and cybernetics.

On the occasion of the visit to the Territorial Computing Centre of Constanța of the Central Institute for Informatics and of the debates with the specialists of the CHIMPEX-CONSTANȚA enterprise computing office, fruitful discussions took place on informatic systems at a territorial level, on models of programming and control of harbour activities, the optimizing of the traffic activity of oil products and on optimizing work in the "Carasu" irrigation system.

During all this time, the German guests met and had a wide exchage of opinions with scientists, academic staff and researches of our country, they learnt about the achievements of our national economy and culture and visited social and cultural establishments in Bucharest and in other localities of the country.

In conclusion of this scientific event, a protocole was signed envisaging the development of exchanges between the two participating countries, the organization in 1981, in the German Democratic Republic of a symposium the subject of which will be established by common agreement.