

In the examined enterprises 85,4 % of employed people were men and 14,6 % were women. Absolute quantity – 86,0 % of staff were people of young and middle age. The working experience of 54,0 % workers was 10-29 years.

The examination of the life style of the workers demonstrated that 46,0 % of people proved to be smokers, 83,8 % drink alcohol, 52,8 % lack physical activity, 82,5 % have inadequate nourishment regime, 27,0 % every day undergo stress at work. Harmful working conditions and ergonomic factors are as follows: low atmospheric temperature, draughts, noise, vibration, contacts with diesel and refrigeration liquids, long working hours, great attention intensity and tension of skeleton and muscles. Diseases of respiratory system, traumatism, illnesses of peripheral nerve system, cardio-vascular diseases, skeleton and muscular system ailments prevail among the illnesses causing the issuing of sick-leaves. The mathematical statistical analysis of the data demonstrated that the health of transport workers and their morbidity with certain diseases is closely related to the age of workers, their

profession, the peculiarities of their life style and unduly conditions of work hygiene and ergonomics.

In general, the reviewed monograph presents complete original investigation. The main objective of the monograph is the research of freight and passenger transport technologies, proposal of new ones able to guarantee the rational freight and passenger transportation as well as to reduce the negative environmental impact.

The research of transport problems is continually changing, with the structure and trends of investigation not being definitely outlined. In this respect the effort of the authors to present their original view of the problems is of great interest.

The book may be recommended for researchers involved in system analysis of transport and for decision-makers, determining the strategies and policies of transport development.

The monograph may also be useful for undergraduates and doctoral students of transport specialities in universities and institutes of the above profile.

*Algirdas Jurkauskas*  
Prof Dr Habil of sciences

## **REVIEW OF THE MANUAL “TRANSPORT ECONOMY”\***

**by A. Baublys, D. Griškevičienė, J. Lazauskas, R. Palšaitis**

The manual prepared by the lecturers of the Transport Management Department of Vilnius Gediminas Technical University is intended for students of transport. The manual will be useful to the students of Transport management and economy, as well as to the postgraduates studying the subjects of the following modules: TITVB 05010 - Transport economy, TITVM 03059 – Transport enterprise economy, TITVB 06025 – Road transport economy, TITVB 08027 - Air transport economy, TITVB 08027 - Water transport economy, TITVB 07026 – Railway transport economy, TITVB 6007 – Economy of international transport services, TITVB 5002 – Commercial operation of railway transport. The manual may also serve the needs of students of other transport specialities in preparing an individual course or final papers.

The book is intended for students of various levels of transport studies and for specialists of transport enterprises. The manual may be used also by the students of related specialities, senior managers of enterprises and trainees of courses on staff management. The book is suitable for use to the students of Kaunas Technology University, Klaipėda University and Vilnius University.

The book contains common issues of economy of a transport system, as well as the issues of transport economy of separate transport modes – road, railway, air and water

transport. In each case the issues of infrastructure economy and enterprise business economy are analysed separately. The issues of transport tariffs are analysed in a separate chapter.

The chapter on the common economy of a transport system covers the application of the theory of macro economy and micro economy in the transport sector, the proportion of supply and demand, the state's role in the regulation of transport market, the competitiveness of transport enterprises. Financial regulation, redistribution of the state's costs/expenses and transport management, international co-operation – these are the issues analysed in the chapter.

The chapter on the road transport economy comprises the following issues: road transport production, competitiveness of transport services, types of enterprises, road transport enterprise property, financial results of enterprise activities, remuneration of work in road transport enterprises.

The chapter on the railway transport economy covers the planning of transportation, the planning of transport means operation, the economic efficiency of the development of material-technical basis in the railway transport, the planning of investments and major repairs, as well as the issues of railway transport circulating assets, running costs and prime costs of transportation.

\* TRANSPORT ECONOMY. Vilnius: Technika, 2003. 479 p. ISBN 9986-05-649-7

The chapter on the water transport economy covers the costs of sea transport, freight costs price, freight owners' costs, maritime transport costs, the analysis of supply, demand and prime costs, the issues of subsidies and concession contracts in shipping, the definition of port prices, the issues related to the analysis of cost structure and economical port activities.

The chapter on air transport comprises the particular features of air transport and the economic issues of the air carriers' enterprises: long-time and short-time property, accounting of income and expenses, the analysis of regular and charter flights, the analysis of income and expenses of air companies. The economy of air transport infrastructure deals with the international policy of airport fees, the structure of airport fees and costs, the evaluation of air traffic service fees, concessions and calculation of taxes and fees in non-aviation activities, as well as the issues of the analysis of fee and tax definition principles.

The chapter on transport tariffs deals with the essential issues of economy related to the functions of tariffs, the tariff system, the analysis of supply and demand, the methods of setting the tariffs. In this chapter the order of definition and the application of tariffs, the tariff control, the regulation system of prices and tariffs, reduced tariffs, flexible tariffs, their supplements and are discounts are presented. Also the railway transport tariffs, air transportation tariffs, road transportation tariffs are separately analysed. Also the principles and methods of creation of the latter are presented here. Besides the transportation tariffs, the tariffs of passenger transportation by the road transport, reductions applied for using the road transport are analysed. Freight tariffs/valuation, sea

transport service fees and valuation, their structure, the main factors of tariff regulation, container valuation, seaport service fees and valuation are presented here as well. In a separate chapter the state regulation of prices is described.

This book contains principal and the most important issues of transport economy, as well as the evaluation of economic activities and infrastructure of enterprise. The manual methodically presents a comprehensive analysis of the issues based on statistical data and research results.

Topics, the scope of which is too large to be covered by the manual on transport economy, are included in the references, which may serve the students looking for additional material in other sources recommended.

The manual is elaborated by the lecturers of the Transport Management Department of Vilnius Gediminas Technical University on the basis of modern transport system achievements, market economy principles, interrelation of economic analysis methods with internal and external factors, microeconomic and macroeconomic frame. The analysis of the most important issues mentioned above is based on the contemporary requirements for the development and management of different transport modes and the strategic aspect of the integration into the European Union is observed. Therefore the commercial problems of large Lithuanian transport companies are related to the economic reform and restructuring.

From the objective point of view the manual has been elaborated properly. The material of the book is comprehensive and concrete, which makes it highly informative. The manual conforms to the contents of the education programme.

*Prof Dr Habil Narimantas Paliulis*

Head of Business Technologies Department of Vilnius Gediminas Technical University  
02 October 2003

## **REVIEW OF THE TEXTBOOK WRITTEN BY PROFESSOR RAMŪNAS PALŠAITIS "FUNDAMENTALS OF BUSINESS LOGISTICS"\***

The textbook "Fundamentals of Business Logistics", written by professor Ramūnas Palšaitis appears as a very expected and useful publication. The lecturers and students were waiting for this publication for a long time, because till now we did not have such a systematized and particular monograph, which would analyse logistics and could be used for the logistics study process. By now, every known textbook and monograph of other authors was more or less acceptable for studying logistics, but in many cases it has some problematical points, it analyses only one point of the common logistics science, it is not of practical use and cannot be

applied for every day activities. In the textbook "Fundamentals of Business Logistics" written by professor Ramūnas Palšaitis we can find an orbicular view of the theoretical understanding of logistics and put it into practical use. Consequently, this publication could be useful for both students (during their study process) and businessmen in the business companies, who are active in the sphere of logistics.

The textbook "Fundamentals of Business Logistics" includes an introduction, ten chapters and the list of literature. In each part of the book the reader can find enough information, which can be useful for better understanding of the dif-

\* FUNDAMENTALS OF BUSINESS LOGISTICS. Textbook. Vilnius: Technika, 2003. 268 p. ISBN 9986-05-627-6