

# SUMMARIES

*P. I. Grebennikov*

## **On the Functions of Money**

Historically the terms used for the description of the functions of money, contribute to a wrong interpretation. Money does not measure the value of goods, but only expresses it. Function of means of exchange of goods and means of maintaining value in time arise from money, simultaneously with their appearance; an attempt to artificially separate one from another do not contribute to the effective functioning of monetary economy. The problems arising during complication of monetary economy should be solved not due to restriction of functions of money, and by means of improvement of system of regulation of release of money according to the current economic environment. Intention to forbid commercial banks «to make money from air» by legislative establishment of 100% reservation of deposits of public is a consequence of misunderstanding of essence of money. Credit is same invention of the person, as well as lever: both means increase productivity of economic activity though «arose from air» at a certain stage of development of a civilization.

**Keywords:** the functions of money liquidity preference; interest rate; Gesels money; «money out of thin air»; the disappearance of the money.

*R. O. Smirnov*

## **Modelling of Choosing the Progressive Income Tax Schedule**

The article investigates the optimization model of the schedule marginal income tax rates. It's informative this model is a particular problem of the best approximation, which is reduced to a problem of mathematical programming. Simplification this task's is substantiated. The calculations of the parameters of the schedule marginal income tax rates applied to Russian economy.

**Keywords:** progressive income taxation; marginal and average tax rates.

*V. A. Andreev, E. A. Platonova*

## **Elaboration and Analysis of Multi-criteria Optimization Model of Sustainable and Balanced Development of Domestic and Export Sector of a Large City Economy**

The optimization model for determining options for the development of the economy of the large city that are Walras-stable and efficient (Pareto optimal) is formulated and analyzed. State of the economy of the city determined by means of the model meet specified limits of pollutant discharge into open water bodies. Analysis of the results of experimental calculations demonstrates that values of the economic indicators determined by the model are consistent and properly reflect the state of the economy.

**Keywords:** optimization model; sustainable development; large city; water supply; sewerage and waste water purification; heat supply; electric power supply.

*M. I. Solosina, I. N. Shchepina*

## **A Look at the Problems of Development of Small Towns in Russia: the Israeli Experience of Urbanization and Project Approach as a Promising Area of Development**

The article analyses the experience of the development of settlements in Israel and in Russia (Voronezh region): how systems of settlement develop in these countries, what historical reasons due to their configuration. On the basis of interviews with representatives of administration of Ariel (Israel) and the cities of Voronezh Region (Pavlovsk, Semiluki, Rossosh) authors represents the work of settlements management and administration system (including to focus on the history of the settlements, the main problems, to the work of administrations, the organization, the city finance systems development prospects). Project approach and support of project initiatives of the residents are presented as a promising direction for the development of cities. There are some example of the Voronezh region experience in this direction.

**Keywords:** development of the territory; settlement system; «soft» transformation; project approach.

*V. A. Ulanov*

### **Determination of the Period when Payments are Replaced and Consolidated**

The article is devoted to the problem of the definition of the new term of the consolidated payment in the conditions of use of simple interest. The paper shows what problems can arise when these problems are solved. The methods of determining the new date are offered when payments are consolidated. The relations between these terms are established.

**Keywords:** interest rate; discount rate; simple interest; discounting; accumulation; payment; equation of value; consolidation.

*V. V. Platonov, O. V. Pichugina*

### **Competency Center as Organizational and Management Innovation for Boosting the Efficiency of Accounting Process**

The article deals with theoretical and applied facets of organizational and management innovation of setting-up the competency centers according to the resource-based view. The authors based on the case of one of the largest Russian companies JSC RJD analyze the sources of efficiency of this innovation, as well as its impact on the accounting process. Particular attention is paid to the outcomes of pilot projects of implementing competence centers. It is shown that the success of organizational and management innovation depends on coherent development of the system of key intra-firm factors being and taking into account the major regularities of the economics of modern firm: scale economy and consolidation around key inter-firm factors.

**Keywords:** organizational and management innovations; economic efficiency; competency centers; resource-based view; accounting; spatial localization.

*E. F. Mosin*

### **The Efficiency of the Tax Administration in the Crisis Years**

This research examines the efficiency of the tax administration in Russia in the economic crisis years. It is based on 2002–2015 tax authority and arbitration courts statistics of tax cases. The focus, however, is given to the 2013–2015-year data. The results of the law cases on collection of obligatory payments and sanctions, the results of the law cases on challenging the legal acts of tax agencies and the results of other tax law cases, resolved by arbitration courts are considered in the article. Results for taxpayers to

appeal tax authorities decision to a higher tax authorities in recent years are also analyzed. The results of the statistical data analysis allow concluding that in recent years the tax administration has improved significantly.

**Keywords:** tax law; tax administration; arbitration court; tax legal controversy; tax authority statistics; arbitration court statistics; economic crisis.

***O. B. Sheynin***

### **Statistics. Its History and Essence**

This is an essay focused on the lesser known issues of statistics. Drawing on the statements of Karl Pearson, Mises, Kolmogorov & Prokhorov and other authors, we concluded that the science of statistics is essentially tantamount to the statistical method which, in turn, is largely the theory of statistics or mathematical (more precisely, with the more general theoretical) statistics.

**Keywords:** Bayes; research into the causes; statistics and science; theory of errors; statistical theory.