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SCIENTIFIC RESEARCH

Vyara Stoilova: Market Principles for Justice (results from a sociological survey among students from UNWE)

MARKET PRICIPLES FOR JUSTICE

(results from a sociological survey among students from UNWE)

Vyara Stoilova

Abstract

The article analyzes the results of a non-representative sociological survey conducted among students trained at the University of National and World Economy. The aim of the study was to find out how students' perceptions of fairness correlated with their attitudes as market actors-sellers to realizing their own money interests outside of market rules.

SCIENCE IN FAVOUR OF SOCIETY

Alexander H. Alexandrov: IUFRO and Bulgaria's Participation

IUFRO AND PARTICIPATION OF BULGARIA

Alexander H. Alexandrov

Abstract

The International Union of Forestry Research Organizations (IUFRO) represents a global net for forest scientific collaboration combining more than 15000 researchers on forestry from approximately 700 organizations of 122 country-members. It was founded in 1892 in Eberswalde by Austria, Germany and Switzerland. The mission of this organization is to increase the quality of forest research activity and to encourage the development of scientifically proved decisions on challenges to forests.

Bulgaria is a member of IUFRO since 1976 with participation of two institutions: the Forest Research Institute (FRI) at the Bulgarian Academy of Sciences (BAS) and the Forestry University (FU) – Sofia. The National Committee of IUFRO is nominated by the President of BAS and includes a Chairman, two representatives from FU and two – from FRI. Bulgaria takes part almost in all congresses (with frequency of every 5 years), in some conferences, symposiums and seminars.

The next congress will be carried out for the first time in South America (Curitiba – Brazil) in 2019. The country was selected for the large tropical forests near the Amazon.

SCIENCE AND ETHICS

Stoyko Stoykov, Petar Marinov, Sevdalina Dimitrova, Rumen Marinov: Science and False Science for the Security – Measure for Measure

SCIENCE AND FALSE SCIENCE FOR THE SECURITY – MEASURE FOR MEASURE

Stoyko Stoykov, Petar Marinov, Sevdalina Dimitrova, Rumen Marinov

Abstract

The authors show in this article valid conclusion for the interconnection between the rating dynamics of the universities in the sphere of education and science for the security and the publishing activity (pseudo activity) in their academic composition in the context of the false science.

SCIENCE AND SECURITY

Valeri Ivanov, Petko Petkov: The Reflection of Military Strategic Views in Basic Documents Covering the National Security and Defense of the Country

REFLECTION OF MILITARY STRATEGIC VIEWS ON BASIC DOCUMENTS COVERING NATIONAL SECURITY AND DEFENSE OF THE COUNTRY

Valeri Ivanov, Petko Petkov

Abstract

This article reveals the complex and vital link between military strategic views related to the construction and use of the armed forces and the stipulations set out in the basic strategic documents on national security and defence. In addition to defining some rules and approaches for their formulation, the article also provides the basis of the methodological tools for periodic review and updating of national strategic documents, related to the changes in the security environment, which also impose changes in the military strategic views for development and use of armed forces.

PROJECT–BASED FINANCING OF SCIENTIFIC RESEARCH

Tzvetana Velichkova, Dzheni Ivanova: Encyclopaedia Reference Book and Data Base about *Women in the History of Academic Science in Bulgaria* – A Project of the Scientific Archive of BAS

ENCYCLOPEDIA REFERENCE BOOK AND DATA BASE ABOUT *WOMEN IN THE HISTORY AND ACADEMIC SCIENCE IN BULGARIA* –

PROJECT OF THE SCIENTIFIC ARCHIVE OF BAS

Tzvetana Velichkova, Dzheni Ivanova

Abstract

The article aims to present the project „Encyclopedia Reference Book and Data Base about *Women in the History and Academic Science in Bulgaria*“ and to raise awareness among society about the scientific achievements and the significance of women working in the system of the Bulgarian Academy of Science.

The Reference Book titled *Women in the History of the Academic Science in Bulgaria (habilitated women members of BAS)* is a first and unique attempt, realized with the support of UNESCO. The exhibition entitled ‘Women in the History of the Bulgarian Academy of Sciences’, organized by a group of people from BAS’s Scientific Archive shows never before seen documents, both with regards to the personal development of female scientists, as well as documents, related to the development of the academic departments at the Bulgarian Academy of Sciences.

GLIMPSE AT THE PAST

Petya Andreeva: Sport in Ancient Thrace Presented in the New Exhibition of the National Archaeological Museum

Sport in Ancient Thrace,
Presented in the New Exhibition of the National Archaeological Museum
Petya Andreeva

Abstract

The National Archaeological Museum organizes a very interesting sport-themed exhibition entitled *Sport in Ancient Thrace*. It is well known that the tradition of athletic training and sporting events was established by the ancient Greeks and it was the characteristic feature of their culture. Furthermore, compared to the theme of sport in ancient Greece, which has been repeatedly made the subject of discussion in different studies and has been presented in many museum exhibitions around the world, so far the place of sport in Thrace has rarely been the main topic of studies or exhibitions. Therefore, the exhibition *Sport in Ancient Thrace* provides an excellent opportunity to present the interesting subject in an attempt to conceive the extent to which sport was incorporated in the everyday life in Thrace. Various artefacts of pre-Roman and Roman date demonstrate gradual process of adoption and adaptation of sports and sports culture in Thracian lands, which became part of the ancient network of sporting events. Thus, such themed exhibitions may also make important contribution to the understanding of life in Thrace in Antiquity.

PERSONALITIES

Garos Mardirossian: Prof. Viden Tabakov's Activity and Merits

PROF. VIDEN TABAKOV'S ACTIVITY AND MERITS

Garos Mardirossian

Abstract

The paper presents the work and merits of the world-famous scientist of Bulgarian origin, eminent aerospace engineer, space technician and rocket engineer Viden Tabakov. The professional path of this perhaps the most successful Bulgarian scientist abroad, who for almost 50 years is one of the most prominent researchers of the NASA, has been traced briefly. One of his outstanding achievements is his work on the creation of the Saturn Carrier, with which the US astronauts piloted flights to the Apollo Moon, and his PhD student and close friend Neil Armstrong became the first person to come to the surface of The Moon. We hope that the name of prof. Viden Tabakov will find his best place among the many Bulgarian scientists who, with their revolutionary contribution to the development of world science, are proudly prized for Bulgaria.

THE FLOOR TO THE YOUNG PEOPLE

Vessela Vassileva: National Competition „Young Talents“ 2018

Maria Garalova: Physics – the Main Ingredient of Life

PHYSICS – THE MAIN INGREDIENT OF LIFE

Maria Garalova

Abstract

Physics is the founder of life. This science deals not only with the exact quantitative description of natural phenomena, it is an integral part of each cell. Entropy is the most likely state of the systems, but life exists with it, despite it. Yet, elements of disorder are constantly observed in the human organism. Diseases in life are synonymous with entropy in physics. Death regains chaos.

Physics does not deny life; it describes it as one of the exceptions. If you shake a jar (closed system) with colored balls, they can also be stacked, but this is unlikely. It is much more likely that the balls are chaotic. When Life arose, it was precisely this that appropriated a number of molecules, factors, conditions, and the first being was born, although life is an open system. This is a very likely hypothesis for the emergence of incredible living systems. It also supports the physical structure of animals and humans.

The cell membrane is a semipermeable lipid-protein coat characteristic of all cell types. The electrical properties of the membrane are represented as electrical elements connected in a circuit. The membrane potential of the cell and the impulse transmission rate are a major factor in the maintenance of life and reason – impulse transmission in the CNS.

The heart is a dual pump system that pushes a certain amount of blood into the aorta and the pulmonary artery. The work of the heart is described by a simple pump model. Pressure in vessels is also subject to physical laws.

Physics touches every system in the human body, it is the foundation on which the sacrament of life builds. Mankind is accustomed to linking life to biology and chemistry, but this is inaccurate. They build the miracles of life, but obey the laws of physics. Physics is the teacher who strictly defines the other natural sciences how much they can experiment with life.

DISCUSSION

Dimitar Buchkov: The Universities and the Market

The Universities and the Market

Dimitar Buchkov

Abstract

The paper treats the specific character of the connection between Universities and the manpower market. It is evident that the rules and principles of business could not be applied directly in this case.

Key words: Universities, manpower market, demand, supply.