

Starko Vasyl. Defining the Dictionary and Models of Categorization. The article analyzes the definitions of the term *dictionary* found in scholarly literature, in particular an extensive definition given by Josette Rey-Debove, which comes close to a strict classical definition, as well as two attempts to define a monolingual dictionary, one by Piet van Sterkenburg and the other one by Dirk Geeraerts. The author shows that the definitions built on the classical model of categorization are unable to delineate the concept of the dictionary as such (this would require covering the entire variety of dictionaries) or even one specific time (a large monolingual dictionary). Geeraerts makes a distinction between a pretheoretical and theoretical concept of the dictionary. He shows that the former fits with the «prototypical» model of categorization, which includes members with different status and has blurry edges. The latter is yet to be formulated. To this end, a definition of the dictionary (or a dictionary type) needs to build in the form of a set of necessary and sufficient features (a classical definition). This definition will inevitably draw new category borders and will be artificial to a certain extent. The author analyzes new types of dictionaries, and the analysis confirms the idea that the pretheoretical concept of dictionaries fits with models of natural categorization.

Key words: dictionary, definition, categorization.

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**Aida Trotsiuk,
Oksana Yasinska**

Cybernetics is the Important Source of Modern English Lexical Replenishment

The article is dedicated to the research of cybernetics as the Source of Modern Lexical Replenishment. The paper presents a brief excursus into the history of cybernetics. It also introduces the essence of cybernetics, offering the most vivid definitions of the science, and touching the aspect of the development and origin of cybernetics, focusing the attention on its interrelation with cognitive linguistics. The highlight of the article is the statement that cybernetics can be seen as a powerful and efficient source of replenishment of the English lexicon.

Key words: cybernetics, cognitive linguistics, cognitology, cyberneologisms.

Statement of the problem and its significance. Relevance of the article is determined by the fact that cybernetics is the source of new modern lexicon replenishment. This is an extremely complex process, the content of which is largely determined by many aspects.

The objective of this article is to present a complex description of cybernetics as an important source of vocabulary replenishment in the English language, the study of the features of its origin, nature, function and interrelation with cognitive linguistics. This objective involves the following **tasks**:

- 1) to analyze linguists' views on the questions concerning cybernetics;
- 2) to consider and analyze interrelation of cybernetics and cognitive linguistics;
- 3) to determine the role of cybernetics as an important source of contemporary lexicon replenishment.

The subject matter of the study is the study of the interrelation of cybernetics and cognitive linguistics.

Scope of the study is cybernetics and cognitive linguistics.

The presentation of the basic material and reasoning of the study results. It is well known that cybernetics is the science of management of complex dynamic systems, the processes of collection, processing and transmission of information in living organisms and technical systems [1, p. 5]. The primary means of information processing are the modern electronic data processing machines (computers), which manage to perform a number of functions of human intellectual activity [2, p. 203].

The primary goal of cybernetics was the calculation of information, but then it has found its reflection in linguistics by establishing vocabularies on computer science and programming, Internet and applied linguistics.

One of the main tasks of applied linguistics is the improvement of electronic dictionaries that make work of linguists and translators easier by modern source of replenishment of the English language vocabulary. We believe that cybernetics can serve as a source of language neologisms, namely cyberneologisms that appeared as a need to identify new devices, phenomena, processes, which reflect the development

of scientific and technological progress. They save resources of thinking, in other words, they perform energy-saving function, based on the transformation of general vocabulary in order not to overload the human brain with the completely new lexical items.

The creation of electronic computers, or computers, in the 40's of 20th century was crucial for the development of cybernetics (J. von Neumann and others). Due to computers, fundamentally new opportunities have appeared for the research and the creation of complex systems for the control of various processes in many areas of science and technology.

The name was coined by Norbert Wiener in 1948 as a result of collaborations between Wiener, a mathematician, and colleagues from other disciplines: they noticed that they had similar interests, but there was no name to group together their interests. They chose cybernetics, subtitle control and communication in the animal and the machine, thus reflecting that both technological and biological systems have many common characteristics. Norbert Wiener, a mathematician, engineer and social philosopher, coined the word «cybernetics» from the Greek word (kybern3ts) meaning «steersman» or «mentor», which occurs even in Plato's works to describe art of ship control [3, p. 3].

Cybernetic (information) modeling of functional mechanisms is the basis for brain activity (reflection mechanism) and refers to the processes of higher nervous activity, intersecting with cognitive linguistics, which explores the emergence of speech patterns, including ways of obtaining, processing, storage and usage of information, that people receive via various channels, as well as the general principles that govern (operate) process of thinking, provide knowledge transfer, creating a conceptual picture of the world [4–9].

General meaning of cybernetics in cognitive science can be defined in the following aspects:

– *philosophical* – cybernetics gives us a new view of the world, it is based on the role of connection, information management, organization, interconnection and probability, and cognitive linguistics is associated with the linguistic world image;

– *social* – cybernetics gives a new idea about the organization of society in general, and the function of cognitive linguistics is based on the anthropocentric system approach;

– *general scientific* aspect is reflected within three tendencies: firstly, cybernetics offers general scientific notions for cognitive science, namely in cognitive linguistics, because the management and complex dynamic systems are common processes; secondly, cybernetics gives science new methods of research of probability, stochasticity, computer simulations, etc. Thus, it resonates with cognitive linguistics, through the processes of storing and processing of information; and thirdly, on the basis of functional approach «signal-response» cybernetics forms hypothesis of inner content and building of systems that can be tested in the course of a detailed study, comparing person with a complex system that works like a computer (receiving, storing, processing the information and producing a final result). Therefore, practically every postulate pertaining to cognitive linguistics can be applied to cybernetics either. It is well known that cognitive science absorbs different sciences to explain how the human mind works and cybernetics represents a quest to provide coherent and non-vitalistic explanations for those persistently orderly phenomena (e.g., regularized behavior and cognition);

– *methodological* – the study of the cognitive system of thinking, its functioning is used to hypothesizing about the mechanisms of common mental processes in cognitive science, that is, verbalization of the world picture, conceptualization, etc.);

– *technical* – field of cybernetics (the creation of the principles of computers, robots, PC that developed a tendency of cybernetization and informatization not only of scientific knowledge, but also of all spheres of life.

Thus, the analysis of the theoretical material helps us to draw the following **conclusions**:

- 1) cybernetics can serve as a powerful source of neologisms, namely cyberneologisms;
- 2) cybernetics as a science has its philosophical, social, methodological, scientific and technical meaning in all spheres of life;
- 3) interrelation of cybernetics and cognitive linguistics is quite natural, because cognitive science accumulates knowledge of various fields of studies, including cybernetics.

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Троцюк Аїда, Ясінська Оксана. Кібернетика – джерело поповнення сучасного лексикону англійської мови. Статтю присвячено дослідженню кібернетики як джерела збагачення сучасного лексикону. Представлено короткий екскурс в історію кібернетики, за допомогою якого ознайомлюємося з сутністю кібернетики, найбільш яскравими визначеннями науки, охоплюючи аспект розвитку і походження кібернетики та приділяючи особливу увагу її взаємозв'язку з когнітивною лінгвістикою. У статті акцентовано увагу на тому, що кібернетику можна розглядати як потужне й ефективне джерело поповнення англійського лексикону.

Ключові слова: кібернетика, когнітивна лінгвістика, когнітологія, кібернеологізми.

Троцюк Аида, Ясинская Оксана. Кибернетика – источник пополнения современного лексикона английского языка. Статья является коротким экскурсом в историю возникновения кибернетики. В статье также кратко освещается сущность кибернетики, предлагаются наиболее яркие дефиниции этой науки, при этом затрагивается аспект развития кибернетики и акцентируется внимание на связи с когнитивной лингвистикой. Основным моментом статьи является утверждение, что кибернетику можно рассматривать как мощный и эффективный источник пополнения современного лексикона английского языка.

Ключевые слова: кибернетика, когнитивная лингвистика, когнитология, кибернеологизмы.

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Оксана Тумак

Вербалізація концепту «розкіш» в англійській картині світу

У статті зроблено спробу за допомогою дефініційного та семантико-графічного аналізів здійснити об'єктивацію в англійській картині світу концепту «розкіш». Автор аналізує й узагальнює роботу відомих лінгвістів над пошуком єдиного визначення концепту. Складено функціонально-семантичне поле вираження досліджуваного концепту, окреслено його домінуючу й периферію. Актуальність дослідження визначається загальною направленістю лінгвістичних досліджень у функціональному та когнітивному аспектах. Новизна дослідження полягає в тому, що цей концепт не досліджувався раніше в когнітивно-семантичному аспекті.

Ключові слова: концепт, концептосфера, мовна картина світу, семантичний граф, сема.

Постановка наукової проблеми та її значення. Свідомість людини слугує своєрідним резервуаром для різноманітних представлень навколишнього світу, одним із яких є концептуальна картина світу, дослідження котрої активно відбувається в наш час, оскільки достеменно невідома її структура. Як зазначає О. О. Селіванова, «концептуальна система людини складається із численних типів знань про дійсність, модельні світи (наукові, енциклопедичні, образні й ін.), а також досвіду, оцінок, психічних уявлень тощо. Певна частина цієї системи відображена у ментальному лексиконі, тобто може актуалізуватися вербально» [5, с. 74–75]. Тому нас цікавить такий її складник, як мовна картина світу, бо це частина концептуальної картини світу, яка визначається мовними засобами [6, с. 7].