

DOI: 10.18522/1997-2377-2023-128-1-12-17

UDC: 1

**Understanding the unity of knowledge by N. Bor and modernity**

**I. Yablokov, N. Yablokova**

*N. Bohr's understanding of the unity of knowledge and the influence of this understanding on the development of methodological problems in modern science are revealed. It is shown that N. Bohr singled out, on the one hand, the objective basis – experience, as the basis for the unity of knowledge, and, on the other hand, the linguistic basis – natural language, supplemented by special terminology, which excludes polysemantics. Attention is drawn to N. Bohr's refinement of T. Kuhn's concept: according to N. Bohr, there is no contradiction between old and new knowledge – each new theory formulates expanding conclusions and, thus, includes the previous conclusions in its composition; the objectivity of the description creates conditions not only within one science or scientific knowledge as a whole, but also for the synthesis of experience in other (non-scientific) areas.*

**Keywords:** *science, philosophy of science, scientific knowledge, unity of knowledge, foundations of the unity of knowledge*

References

1. Безлепкин Е.А. Идея единства знания в истории философии // Философия науки. 2015. № 4.
2. Бор Н. Единство знаний // Атомная физика и человеческое познание / Пер. с англ. В.А. Фока и А.В. Лермонтовой. М.: Изд-во иностранной литературы, 1961.
3. Мигдал А.Б. Квантовая физика и Нильс Бор. М.: Знание, 1987. С. 48.
4. Хмелевская С.А., Яблокова Н.И. Система форм постижения бытия в контексте современной культуры // Вестник Московского государственного областного университета. Серия: Философские науки. 2013. № 2. С. 74–78.
5. MacKinnon E. Niels Bohr on the Unity of Science // PSA: Proceedings of the Biennial Meeting of the Philosophy of Science Association. 1980. Vol. 2. Symposia and Invited Papers. P. 224–244.
6. Oppenheim P., Putnam P. The unity of science as a working hypothesis // H. Feigl Minnesota Studies in the Philosophy of Science. 1958. Vol. 2. Minneapolis: Minnesota University Press.
7. The Unity of Science // Stanford Encyclopedia of Philosophy. – URL: <https://plato.stanford.edu/entries/scientific-unity/#ConcWhyUnitWhatDiffDoesItRealMake> (дата обращения 01.10.2022).

**Московский государственный университет имени М.В.  
Ломоносова, г. Москва  
Московский государственный технологический университет  
«СТАНКИН», г. Москва**

**December, 24 2022**

---