

- Nugayev R.M.: A Simple Theory-Change Model, „Epistemologia” 21 (1998), No. 2, s. 245-280.
- Oppenheimer R.: Science and Common Understanding, New York 1954.
- Poliakov A.: On Various Kinds of Scientific Revolutions, „Epistemologia” 16 (1993), s. 213-234.
- Popper K.R.: The Logic of Scientific Discovery, London 1959.
- Putnam H.: How not to Talk about Meaning, [w:] R. Cohen, M. Wartofsky (red.), Boston Studies in the Philosophy of Science, vol. II, New York 1965, s. 205-223.
- Ramsey F.: The Foundations of Mathematics, Littlefield 1960.
- Rosen G.: Formulations of Classical and Quantum Dynamical Theory, New York 1969.
- Schaffler I.: The Anatomy of Inquiry : Philosophical Studies in the Theory of Science, New York 1963.
- Science and Subjectivity, Indianapolis 1967.
- Schlick M.: The Foundations of Knowledge, [w:] A.J. Ayer (red.), Logical Positivism, New York 1959, s. 209-227.
- Shapere D.: Meaning and Scientific Change, [w:] R. Colodny (red.), Beyond the Edge of Certainty, vol. III, Pittsburgh 1966, s. 41-86.
- Slater J.: Concepts and Development of Quantum Physics, New York 1969.
- Taylor E.F., Wheeler J.A.: Spacetime Physics, San Francisco 1966.
- Townsend B.: The Comparability of Scientific Theories, Univ. of Hawaii 1976 (nieopublikowana praca doktorska).
- Tuomela R.: Theoretical Concepts, Wien 1973,
- Wszolek S.: Teoria i doświadczenie w nauce i teologii, [w:] Przestrzenie księdza Cogito, Tarnów 1966, s.189-205.
- Życiński J.: Elementy filozofii nauki. Tarnów 1966,  
— Struktura rewolucji metanaukowej, Kraków 2013.

#### METHODOLOGICAL ASPECTS CONCERNING RELATIONS BETWEEN SCIENTIFIC THEORIES AND EXPERIENCE

##### Summary

The paper is divided in several parts, entitled as follows: introduction; the standard view, its characteristic; constructive challenge of the received standpoint; attempted resolutions of the problem of comparability; how do work visual perceptions in scientific observations? meaning variance of scientific terms; an attempt to construe the ground for comparability — concluding remarks.

*Summarised by Zygmunt Hajduk*

**Słowa kluczowe:** doświadczenie, obserwacja, porównywalność, relacje między teorią a doświadczeniem, teoria naukowa.

**Key words:** experience, observation, comparability, relations between theory and experience, scientific theory.

**Information about Author:** Rev. Prof. ZYGMUNT HAJDUK — retired employee of the Department of the Philosophy of Inanimate Nature at the John Paul II Catholic University of Lublin; address for correspondence: Al. Racławickie 14, PL 20-950 Lublin; e-mail: zhajduk@kul.lublin.pl