

An Annotated Leśniewski Bibliography

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At the urging of friends and colleagues, I prepared *An Annotated Leśniewski Bibliography* (pp. 1–39), which was distributed in July 1972. Four years later, in June of 1976, *An Annotated Leśniewski Bibliography (Supplement I)* (pp. 40–83) was distributed. All of this was further supplemented and revised in the spring of 1978 and eventually appeared in *Stanisław Leśniewski: Collected Works*, pp. 711–785 (= Rickey 1992).

Recently, my interest in the logical systems of Leśniewski has been rekindled and in December 2009, I began to gather more recent references pertaining to Leśniewski's systems. The existence of the web has made this task infinitely easier than it was forty years ago.

I would encourage all who use this bibliography to send me corrections and, especially, additions. This document is being prepared in \TeX and it would be most helpful if you sent additions in this format, but documents in Word or HTML are perfectly acceptable (however .pdf format makes my life difficult as I then need to retype the information). You can most easily contact me via email: fred.rickey@me.com. I would be pleased if you would also send me copies of your papers, for I am again trying to digest what has been written about Leśniewski and his logical systems, especially the more technical papers.

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<https://lesniewski.info>

Abelson, Raziël

1967 “Definition,” pp. 314–324 in volume 2 of *The Encyclopedia of Philosophy*.

Aczel, Peter

1977 “An introduction to inductive definitions,” pp. 739–782 in the *Handbook of Mathematical Logic*, Dordrecht / Boston: Reidel, edited by Jon Barwise.

Agazzi, Evandro, editor

1981 *Modern Logic. A Survey: Historical, Philosophical and Mathematical Aspects of Modern Logic*. Dordrecht/Boston: Reidel.

Agapov, E. P.

1982 “Leśniewski’s conception of deductive systems,” (Russian), pp. 5–8 in *Logical Analysis of Natural Language (Abstracts of the 8th All-Union Conference “Logic and Methodology of Science”, Palanga, September 26–28, 1982, Vilnius*.

Ajdukiewicz, Kazimierz (1890–1963)

For a complete list of Ajdukiewicz’s publications, see *Studia Logica*, 16, 39–43.

1923 “O intencji pytania ‘co to jest P’, (Referat z odczytu),” *Ruch Filozoficzny*, 7 (1923), 152b–153a.

1926 “Założenia logiki tradycyjnej” (Foundations of traditional logic), *Przegląd Filozoficzny*, 29 (1926), 200–229.

The directive for distributing quantifiers that is discussed on page 210 is credited to Leśniewski.

1928 *Główne zasady metodologii nauk i logiki formalnej. Wykłady Prof. D-ra K. Ajdukiewicza wygłoszone na Uniwersytecie Warszawskim w roku akad. 1927/28 (Skrypt autoryzowany. Zredagował M. Presburger)* (Main Principles of the Methodology of Science and of Formal Logic. Lectures Given by Prof. Dr. K. Ajdukiewicz at Warsaw University in the Academic Year 1927/28 (Authorized Text. Edited by M. Presburger)). Wydawnictwa Koła Matematyczno-Fizycznego Słuchaczy Uniwersytetu Warszawskiego, XVI. 304 pp.

1934a “W sprawie ‘uniwersalijow’,” *Przegląd Filozoficzny*, 37 (1934), 219–234. Reprinted in 1960, 169–210.

Using Leśniewski’s theory of semantic categories, Ajdukiewicz refutes Kotarbiński’s ‘proof’ of the non-existence of individuals. He introduces here, for the first time, a convenient notation for the designation of particular semantical categories.

1934b “Logistyczny antyirracjonalizm w Polsce,” *Przegląd Filozoficzny*, 37 (1934), 399–408. German translation: 1935a.

1934c “Logiczne podstawy nauczania,” Offprint from *Encyklopedii Wychowania* (Encyclopaedia of Education), Warszawa: Nasza Księgarnia, 79 pp.

- 1935a “Der logistische Antiirrationalismus in Polen,” *Erkenntnis*, 5 (1935), 151–161. Translation of 1934b. The bibliography is on pp. 199–203.
Contains interesting historical remarks about the Polish school of logic.
- 1935b “Die syntaktische Konnexität,” *Studia Philosophica*, 1 (1935), 1–27. Reviewed by Weinberg, *Journal of Symbolic Logic*, 3, 58. English translation in McCall 1967. Partial English translation in the *Review of Metaphysics*, 20, 635–647.
The seminal paper on the application of the famous fractional notation for semantical categories to ordinary language.
- 1949 “On the notion of existence. Some remarks connected with the problem of idealism,” *Studia Philosophica*, 4 (for 1949–50, published 1951), 7–22. Reviewed by Quine, *Journal of Symbolic Logic*, 17, 141–142. Reprinted in Ajdukiewicz 1978.
Ajdukiewicz considers several kinds of existence and applies them to the question of fictitious objects and also to the metaphysical controversy over what is real. He uses Leśniewski’s ontology to discuss the notions of real and intentional existence. In the review, Quine interprets ontology in set theory and thus concludes that quantification commits Leśniewski to abstract entities.
- 1960 *Język i poznanie* (Language and Knowledge), Warsaw, vol. 1, 1960, vol. 2, 1965.
Selected papers from 1920–1939 and 1945–1963. Contains a reprint of his 1934b and Polish translations of 1935b and 1949.
- 1967 “Syntactic connexion,” pp. 207–231 in McCall 1967. English translation of 1935b.
- 1967a “On syntactical coherence,” *The Review of Metaphysics*, 20 (4), June 1967, 635–647. Partial English translation of 1935b by Peter T. Geach. [JSTOR](#)
Geach, who spoke accurate but slow Polish, translated this from the reprint in Ajdukiewicz 1960. He judged parts II and III of the paper, which dealt with quantifiers, to be “complicated and unsatisfactory,” and so omitted them. Ajdukiewicz attributes the term ‘semantical category’ to Husserl 1900, but remarks that he has adopted the ‘simple account’ of them developed by Leśniewski. He notes that the word ‘functor’ was coined by Kotarbiński. Need reference to K.
- 1973 *Problems and Theories of Philosophy*, Cambridge: Cambridge University Press. Reviewed by Giedymin, *British Journal for the Philosophy of Science*, 25, 189–206.
A basic philosophy text. The problem of ideal objects is treated.
- 1978 *The Scientific World-perspective and Other Essays, 1931–1963*, Dordrecht / Boston: Reidel. Edited by Jerzy Giedymin. Reviewed by Josef Miroslaw Zycinski in *The Review of Metaphysics*, 31(4), June 1978, pp. 662–663.
Giedymin’s introduction contains biographical information. A bibliography of the works of Ajdukiewicz is included, 22 of which are in this volume, including a reprint of his 1949.
- 2013 “Minutae. Autobiografia i eseje z pocz?tku lat dwudziestych,” (Minutiae. Autobiography and Essays from the Beginning of the Twenties), *Filozofia Nauki* (Philosophy of Science), 2(82)/2013. 159–184.

Summary: The collection contains five short texts written by Ajdukiewicz in the years 1920–1924. The curriculum vitae from 1924 includes, inter alia, the author’s account of his soldier years during the First World War. The second text (a summary of a lecture for The Polish Philosophical Society) is concerned with the distinction between the absolute and relative time. Texts 3 and 4 are in praise of Łukasiewicz’s three-valued logic as a contribution to the theory of human freedom. The last text — written in a casual, ‘Cartesian’ style — presents epistemological problems one faces in trying to distinguish dreams from reality

Andrews, Peter

1963 “A reduction of the axioms for the theory of propositional types,” *Fundamenta Mathematicae*, 52 (1963), 345–350. Reviewed by J. R. Guard, *Journal of Symbolic Logic*, 30, 385.

A simplification of Henkin 1963.

Angelelli, Ignacio

1967 *Studies on Gottlob Frege and Traditional Philosophy*, Dordrecht/Boston: Reidel.

Leśniewski had “the only philosophical acceptable manner of planning a ‘way out’ of the antinomies.” (p. 218)

1975 “Freges Ort in der Begriffsgeschichte,” pp. 9–22 in *Frege und die moderne Grundlagenforschung*, edited by C. Thiel, Meisenheim am Gland: Verlag Anton Hain.

Anellis, Irving H.

1996 “Józef Maria Bocheński (1902–1995),” *Modern Logic* Volume 6, Number 2 (April 1996), 192–196.

Apostel, Leo

1960 “Logic and ontology,” *Logique et Analyse*, 3 (1960), #11–12, 202–225.

Apostel claims that for Leśniewski and Heinrich Scholz, logic was ontology (in the philosophical sense). Claims that Leśniewski 1930a states that “the science of logic has quite explicitly as its object the study of certain very general laws of being” (quoting Apostel, who does not quote Leśniewski). Cites Lejewski 1954b and 1958b as clear explanations of Leśniewski’s position. The discussion ends by saying that Leśniewski defines existence to exclude the null class and then goes on to make some incomprehensible remarks about methodology.

1976 “Mereology, time, action and meaning,” pp. 189–233 in *Festschrift Gerhard Frey Zum 60. Geburtstag*, Innsbruck.

Arai, Yoshinari

1966 “On axiom systems of propositional calculi, XVII,” *Proceedings of the Japan Academy*, 42 (1966), 351–354.

Deals with the equivalential calculus.

Have copy.

Arai, Yoshinari and Tanaka, Shotaro

1966a “On axiom systems of propositional calculi, XIX,” *Proceedings of the Japan Academy*, 42, 358–360.

Provides several single axioms for the equivalential calculus.

1966b “A remark on propositional calculi with variable functors,” *Proceedings of the Japan Academy*, 42, 1056–1057. Reviewed by B. Lercher, MR 35 #4089.

The title refers to the system of Les’s protothetic in Meredith 1951. The authors derive several equivalences in that system.

Asenjo, Florencio G.

1962 *El Todo y Las Partes: Estudios de Ontología Formal* (Wholes and Parts: Studies in Formal Ontology), Madrid: Editorial Martínez de Murguía, 276 pp.

1965 “Theory of multiplicities,” *Logique et Analyse*, 8, #30, 105–110.

1969 “Mathematical organisms,” *Logique et Analyse*, 12, #48, 301–310.

There are connections between mereology and the systems developed in these three papers.

1976 “Leśniewski’s work on nonclassical set theories,” *XXIInd Conference on the History of Logic, 5–9 July 1976*, Krakow. Abstract of a lecture.

1977a “Leśniewski’s work and nonclassical set theories,” *Studia Logica*, 36 (1977), 249–255.

1977b “Formalizing multiple location,” pp. ??? in *Non-Classical Logics, Model Theory and Computability, Proceedings of the 3rd Latin-American Symposium*, Brazil: Campanias.

Bacon, John

1967 “Syllogistic without existence,” *Notre Dame Journal of Formal Logic*, 8 (1967), 195–219.

1974 “The untenability of genera,” *Logique et Analyse*, 17 (1974), #65–66, 197–208.

Baldwin, Thomas

1978 “Kripke, pseudo-Kripke, and Wallace,” *Analysis*, 38 (1978), 173–181.

Bar-Hillel, Yehoshua (1915–1975)

1950 “On syntactical categories,” *Journal of Symbolic Logic*, 15 (1950), 1–16. Reprinted in 1964. Reviewed by Lorenzenen, MR 11, 635.

1953 “A quasi-arithmetical notation for syntactic description,” *Language*, 29 (1953), 47–58. Reprinted in 1964.

1954 “Indexical expressions,” *Mind*, 63 (1954), 359–379. Reprinted in 1970. Reviewed by J. F. Thomson, *Journal of Symbolic Logic*, 22, 320–321.

Stresses the importance of *inscriptional* semantics for Philosophy.

1960 “On categorical and phase structure grammars,” *The Bulletin of the Research Council of Israel* 9F, 1–16. Reprinted 1964. Joint work with Gaifman and Shamir.

1964 *Language and Information: Selected Essays on their Theory and Application*, Chichester: Addison-Wesley. Contains reprints of 1950, 1953, and 1960.

1967a “Syntactical and semantical categories,” pp. 57–61 in volume 8 of *The Encyclopedia of Philosophy*.

1967b “Types, theory of,” pp. 168–172 in volume 8 of *The Encyclopedia of Philosophy*.

1970 *Aspects of Language: Essays in Philosophy of Language, Linguistic Philosophy, and Methodology of Linguistics*, Jerusalem: The Magnes Press. Contains reprint of 1954.

Barnett, Dene (1917–1997)

[Obituary.](#)

1967 “An outline of nominalistic arithmetic,” *Journal of Symbolic Logic*, 32 (1967), 575. Abstract. Uses mereology and Tarski’s concatenation theory to define natural number, addition, multiplication, rational and real numbers. Derivations are indicated of interpretations for standard axioms for first-order arithmetic.

1976 “Leśniewski’s mereology, applications and problems,” *XXIInd Conference on the History of Logic, 5-9 July 1976, Krakow*. Abstract.

Barwise, Jon (1942–2000)

1979 “On branching quantifiers in English,” *Journal of Philosophical Logic*, 8 (1979), 47–80.

Batóg, Tadeusz (Born 1934.

[Discussion of his work and bibliography](#)

1961a “Logiczna rekonstrukcja pojęcia fonemu” (A logical reconstruction of the concept of phoneme), *Studia Logica*, 11 (1961), 139–183. With English and Russian summaries.

Uses mereology in the axiomatization of phonology.

1961b “Critical remarks on Greenberg’s axiomatic phonology,” *Studia Logica*, 12 (1961), 195–205.

This is a criticism of J. H. Greenberg’s “An axiomatization of the phonologic aspect of language,” which appears in *Symposium on Sociological Theory*, edited by L. Gross, Evanston/New York, 1959. Batóg closes his paper by remarking that “Greenberg’s system would gain much in simplicity and naturality if it were based on Leśniewski’s mereology.”

1962 “A contribution to axiomatic phonology,” *Studia Logica*, 13 (1962), 67–80. With Polish and Russian summaries. Reviewed by S.-Y. Kuroda, *Journal of Symbolic Logic*, 31, 251.

The system, which is a modification of his 1961a, is based on mereology.

1967 *The Axiomatic Method in Phonology*, London: Routledge and Kegan Paul. Reviewed by C. D. Johnson in *Foundations of Language*, 9 (1972), 269–276.

The axiomatization is based on Mereology as extended by Tarski in Woodger 1937.

1969 “A reduction in the number of primitive concepts of phonology,” *Studia Logica*, 25 (1969), 55–60. With Polish and Russian summaries.

1976 “On substitution for functorial variables,” *Functiones et Approximatio*, IV, 141–142.

1984 An autobiographical sketch, *Ruch Filozoficzny* 41 (1), 1984, 76–78.

Need Polish title.

Beklemishev, Lev D.

[1962] *The Logical Systems of Lesniewski*, ISBN-13 9780444533951.

This seems to be a reprint of Luschei’s book.

Belnap, Nuel

1993 “On rigorous definitions,” *Philosophical Studies: An International Journal for Philosophy in the Analytic Tradition*, Vol. 72, No. 2/3, (Dec., 1993), pp. 115–146 [Full text](#).

Have copy.

Beltiukov, A. P.

2001 “The set of true regular protothetic formulas with partial ordered quantifiers is NEXPTIME-complete,” *Annals of Pure and Applied Logic*, vol. 113, no. 1, 27 December 2001, 53–58. [Abstract](#)

Bergmann, Gustaw

1967 *Realism, a Critique of Brentano and Meinong*, Madison Wisconsin: University of Wisconsin Press.

Deals with problems similar to those considered by Leśniewski.

Berrendonner, Alain

1995 “Anaphore associative et méréologie,” pp. 237–256 in [Miéville and Vernant 1995](#).

Beth, Evert Willem (1908–1964)

1959 *The Foundations of Mathematics*, Dordrecht/Boston: Reidel.

1966 “Remarks on the paradoxes of logic and set theory,” pp. 307–311 in *Essays on the Foundations of Mathematics, dedicated to A.A. Franekel in his 70th Birthday*, Jerusalem, 1966.

Betti, Arianna

1994 *Logica ed esistenza in Stanisława Lesniewski*, Testi di laurea presentata all’Univ. di Firenze, rel. il prof. Ettore Casari.

1995 *Logica ed esistenza in Stanislaw Leniewski*, Università degli Studi di Firenze, 1995. Tesi di laurea (Relatore: Ettore Casari).

1966a “Il rasoio de Leśniewski,” (Leśniewski’s razor), *Revista de Filosofia*

need details

- 1996b “Łukasiewicz and Leśniewski on contradiction,” Proceedings of a conference on *Łukasiewicz in Dublin*.
- 1998a “De Veritate: Another chapter, the Bolzano-Leśniewski connection,” pp. 115–137 in *The Lvov-Warsaw School and Contemporary Philosophy*, Kluwer Academic Publishers, 1998. Have copy.
- 1998b “Il rasoio di Lesniewski,” *Rivista di Filosofia*, 1998, 89–117.
- 2001 [A review of *Leśniewski’s Systems: Protothetic*, i.e., Leśniewski 1998], *Studia Logica*, 68 (2001), 401–404.
- 2002 “The Incomplete Story of Łukasiewicz and Bivalence,” *The Logica Yearbook 1999*, 21–36. *Filosofia*.
- 2014 “Łukasiewicz and Leśniewski on Contradiction,” *Reports in Philosophy*, 22: 247–271.
- 2004 “Leśniewski’s early liar, Tarski and natural language,” *Annals of Pure and Applied Logic*, 127 (2004), 267–287. Have copy.
- 2006a “Sempiternal truth. The Bolzano-Twardowski-Leśniewski axis,” pp. 371–399 in Jadacki 2006. [Full text](#) Have copy.
- 2006b “The strange case of Savonarola and the painted fish: On the Bolzanization of Polish thought,” pp. 55–81 in *Actions, Products, and Things. Brentano and Polish Philosophy*, edited by Arkadiusz Chrudzimski and Dariusz Łukasiewicz, Frankfurt: Ontos, 2006. [Full text](#). Have copy.
- 2008 “Polish Axiomatics and its Truth: On Tarski’s Lesniewskian Background and the Ajdukiewicz Connection,” pp. 44–71 in *New Essays on Tarski and Philosophy*, edited by Douglas Patterson, Oxford University Press.
- Author’s abstract: Lesniewski — and not his pupil Tarski — was the first to show that natural language is incurably affected by contradictions, and only by sanitizing it do we get an acceptable means of scientific investigation.
- 2008 “Leśniewski’s *characteristica universalis*,” *Synthese*, [Abstract](#). [Full text](#). Have copy.
- 2008 “Logic as universal medium? Leśniewski’s systems and the classical model of science,” pp. ????? in Lapoint et al.,
- 2009 “Leśniewski’s systems and the Aristotelian model of science,” pp. 93–111 in Lapointe et al 2009. [First page](#).
- 2010 “Leśniewski’s *characteristica universalis*,” *Synthese*, 174(2): 295–314.
- 2014 “Leśniewski, Tarski and the Axioms of Mereology.” In K. Mulligan, K. Kijania-Placek, & T. Placek (Eds.), *The History and Philosophy of Polish Logic: Essays in Honour of Jan Woleński* (pp. 242-258). (History of Analytic Philosophy). Houndmills, Basingstoke: Palgrave Macmillan. Have copy.
- Alongside a respect for philosophically informed formal work and an interest in all things Polish, Jan Woleński and I share a profound admiration for Leśniewski’s oeuvre. As Jan once told me, you can work on Leśniewski for your whole life. Indeed so. Eighteen years after I

first met him, on a morning in late March at a bus stop in Sucha Bezkidzka, Southern Poland, here's a story about the axioms of Leśniewski's mereology, and Tarski's complicated role in it.

- 2017a "Twardowski and Brentano." In U. Kriegel (Ed.), *The Routledge Handbook of Franz Brentano and the Brentano School* (pp. 305-311). (Routledge Handbooks in Philosophy). New York: Routledge
- 2017b "Brentano and the Lvov-Warsaw School." In U. Kriegel (Ed.), *The Routledge Handbook of Franz Brentano and the Brentano School* (pp. 334-340). (Routledge Handbooks in Philosophy). New York: Routledge.
- 2014 "From mereology to Boolean algebra: the role of regular open sets in Alfred Tarski's work," In Mulligan 2014.

Betti, Arianna, de Jong, Willem R., and Martijn, Marije

xxxx "The axiomatic method, the order of concepts and the hierarchy of sciences: An introduction," *Synthese*. Full Text.

Have copy.

Betti, Arianna, and Leob, Iris

2012 "On Tarski's foundations of the geometry of solids," *The Bulletin of Symbolic Logic*, Vol. 18, No. 2 (JUNE 2012), pp. 230–260. In JSTOR.

Have copy.

Bigelow, John

2010 "Quine, mereology, and inference to the best explanation," *Logique et Analyse*, 53, 212–??
[Full text.](#)

Billich, Jerzy K., and Jaśkowski, S.

1930 *Logika matematyczna i jej metodologia (Mathematical Logic and its Methodology)*, Wydawnictwo Koła Matematycznofizycznego Słuchaczy Uniwersytetu Warszawskiego, vol. 13, 1930.
Sinisi 1983, p. 55, reports that this has one of the early references to Leśniewski's ontology.

Binkley, R.

1970 "Quantifying, quotation, and a paradox," *Noûs*, 4 (1970), 271–277.

Bird, Otto Allen (1914–2009)

1975 "Leśniewski, Stanisław ," *Encyclopedia Britannica*, Micropedia VI, 166 and Macropedia X, 832–834.

Black, Robert

1973 "In defense of "Principia Mathematica"," *Mind*, 82 (1973), 611–612.
Comments on Nemesszeghy 1971.

Blanché, Robert

1970 *La logique et son histoire d'Aristote à Russell*, Paris: A. Colin.

Blass, Andreas

1994 “A faithful modal interpretation of propositional ontology,” *Math. Japonica*, 40 (1994) 217–223. [Full text](#).

Blecksmith, Richard and Null, Gilbert

1990 “Matrix representation of Husserl’s part-whole-foundation theory,” *Notre Dame Journal of Formal Logic*, 32 (1990), 87–111. [Full text](#)

Block, W. J. and Pigozzi, Don

1988 “Alfred Tarski’s work on general mathematics,” *Journal of Symbolic Logic*, 53, 36–50. [JSTOR](#)

Bocheński, Józef Maria = Inocenty M. (1902–1995)

1939 “La logique de Théophraste,” *Collectanea Logica*, 1 (1939), 195–304.

As the publishing house was bombed, this was only known through a review by H. Scholz, *Z* 22, 290–291, until republished as 1949a.

1947a “La philosophie en Pologne 1919–1939,” pp. 229–260 in Volume III of, *Vie Intellectuelle et Artistique*, Neuchâtel: Éditions de la Baconnière.

Chapter 3.1, written by Bocheński, contains a good discussion of Polish philosophy and logic.

1947b “La logique de Théophraste,” *Collectanea Friburgensia*, Nouvelle série, 32, 193 + 1p.

1948 “On the categorical syllogism,” *Dominican Studies*, 1 (1948), 35–57.

1949 “On the syntactical categories,” *The New Scholasticism*, 23 (1949), 257–280. Reviewed by J. Bendiek, *Journal of Symbolic Logic*, 16, 221–222. Reprinted, Menne 1962.

Contains a nice introduction to the theory of syntactical categories. He argues that a theory of syntactical categories can resolve the logical, but not the semantical categories.

1956a *The Problem of Universals*, University of Notre Dame Press. Reprinted in Menne 1962.

1956b *Formale Logik*, München: K. Alber.

1981 “The general sense and character of modern logic,” pp. 3–14 in Agazzi 1981, 3–14.

1988 “The Cracow Circle,” pp. 9–18 in *The Vienna Circle and the Lvov-Warsaw School*.

This is a group of logicians interested in Catholic thought.

1994 *Wspomnienia*, Kraków 1994, ss. 368.

<http://ltura.blogspot.com/2013/02/o-filozofie-co-pilotem-zosta.html>

1994 “Morals of thought and speech — reminiscences,” pp. 1–8 in Woleński 1994. Contains interesting remarks about Leśniewski, Łukasiewicz, Tarski, and Sobociński.

Have copy.

Bochman, Alexander

- 1990 “Mereology as a theory of part-whole,” *Logique et Analyse*, (N.S.) 33, #129–130, 75–101. MR1224841 by Jānis Cīrulis.

Borkowski, Ludwik Stefan (1914–1993)

[Biographical sketch by Piotr Kulicki.](#)

- 1951 *On analytical and synthetic definitions*. This is his Ph.D. dissertation from Uniwersytet Wrocławski under the direction of Jerzy Śłupecki.
- 1959 *Systems of the Propositional and of the Functional Calculus Based on One Primitive Term*. Reviewed by R. O. Gandy, *Journal of Symbolic Logic* 24 (1959), no. 3, 242–243.
- 1965 “Kazimierz Ajdukiewicz (1890–1963),” (in Polish), *Studia Logica*, 16 (1965), 7–29. Have copy.
- 1968 “Kilka uwag o pojęciu definicji,” (Some remarks about the notion of definition), *Studia Logica*, 23 (1968), 59–70. With Russian and English summaries. Reviewed by P. Materna, *Journal of Symbolic Logic*, 35, 468.
Extends the translatability condition so that the non-creativity of definitions is guaranteed.
- 1970 *Logika formalna* (Formal Logic), Warszawa: PWN.
Contains a chapter on ontology and many remarks on Leśniewski’s methods in the propositional calculus.
- 1977 *Formale Logik: logische Systeme. Einführung in die Metalogik: ein Lehrbuch*, München: Beck.
- 1984 “Ludwik Stefan Borkowski” [autobiographical sketch], *Ruch Filozoficzny*, 41 (1984), 78–D82.

Borkowski, L., and Śłupecki, Jerzy

- 1958 “The logical works of J. Łukasiewicz,” *Studia Logica*, 8 (1958), 7–56 + errata. Reviewed Have copy.
Journal of Symbolic Logic, 25 (1960), 64–65.

Bornstein, Benedykt (1880–1948)

- 1914 “Podstawy filozoficzne teorii mnogości” (Philosophical foundations of set theory), *Przegląd Filozoficzny*, 17 (1914), 183–193.
This promotes Leśniewski 1914b.
- 1915 “Polemika. W sprawie recenzji p. St. Leśniewskiego rozprawy mojej p. t. ‘Podstawy filozoficzne teorii mnogości,’” [On the review by Mr. S. Leśniewski of my article entitled “Philosophical foundations of set theory”], *Przegląd Filozoficzny*, 18 (1915), 121–140.
A reply to Leśniewski 1914b.

Borowski, Lesław

- 2010 “Some corrections to R. Urbaniak’s paper On ontological functors of Leśniewski’s elementary ontology,” *Rep. Math. Logic*, No. 45 (2010), 249–255. Listed MR2790761.

Borowik, Piotr E.

2003 “Jan Śleszyński o “Podstawach teorii mnogości” St. Leśniewskiego II,” presentation at the Wrocław University [VIII Conference](#) Applications of Logic in Philosophy and the Foundations of Mathematics, Karpacz, 6-10 May 2003

2004 “Jan Sleszyński i teoria mnogości Stanisława Leśniewskiego,” presentation at the Wrocław University [IX Conference](#) Applications of Logic in Philosophy and the Foundations of Mathematics, Karpacz, 26-30 April 2004

Bottani, Andrea

2001 “L’universailité et l’incomplétude de la méréologie extensionnelle classique,” pp. 75–94 in *Méréologie et modalités. Aspects critiques et développements*, Université de Neuchâtel: Travaux de logique 14.

Bourdeaux, Jack C.

1976 “Set theoretical models for Leśniewski’s logical systems,” pp. 2–5 in *XXIInd Conference on the History of Logic, 5-9 July 1976, Krakow*. Abstract.

Provides a “set theoretical model of ontology and proves a soundness theorem (consistency).

19?? “A model-theoretic analysis of Leśniewski’s logical systems,” Z 332.02013. Unpublished manuscript of 36pp.

Provides a “set-theoretic model for Leśniewski’s logical systems, which, I believe, is in keeping with their constructive, or ‘nomanalistic’ spirit.” A soundness theorem is proved.

Bourdeau, Michel

1999 “Ryle et la question catégoriale,” pp. 93–107 in D. Miéville (editor), *Rôle et enjeux de la notion de catégorie en logique*, Université de Neuchâtel: Travaux de logique 13.

Bourquin, Daniel

1999 “Catégorie et anaphore,” pp. 109–124 in D. Miéville (editor), *Rôle et enjeux de la notion de catégorie en logique*, Université de Neuchâtel: Travaux de logique 13.

Bryman, Jerachmiel (Born 1908 in Łódź)

1933 [The shortest axiom-system for Peano arithmetic], Master’s thesis, 1933.

This result is noted in Leśniewski 1988, p. 155. He also discovered a single axiom for the equivalential calculus (Łukasiewicz 1939; Le Blanc 1991, p. 22).

Burkhardt, Hans (–2013), Seibt, Johanna, Imaguire, Guido, and Gerogiorgakis, Stamatios, editors

2017 *Handbook of Mereology*, Philosophia Verlag, München, Germany.

Burge, Tyler (Born 1946)

1972 “Truth and mass terms,” *The Journal of Philosophy*, 69 (1972), 263–282.

1975 “Truth and singular terms,” *Noûs*, 8 (1975), 309–325.

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Bury, Jan

2004 “Polish codebreaking during the Russo-Polish War of 1919–1920,” *Cryptologia*, vol. 28, no. 3 (July 2004), pp. 193–203.

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Cantor, Georg (1845–1918)

1883 *Grundlagen einer allgemeinen Mannigfaltigkeitslehre, Ein mathematisch-philosophischer Versuch in der Lehre des Unendlichen*, Leipzig: Teubner, 1883. English translation in Ewald 1996, 881–920.

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1895 “Beiträge zur Begründung der transfiniten Mengenlehre,” *Mathematische Annalen*, 46 (1895), 481–512.

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Canty, John Thomas

1967 *Leśniewski’s Ontology and Gödel’s Incompleteness Theorem*, Ph.D. dissertation in Philosophy under the direction of Sobociński, University of Notre Dame, 1967. Published as 1969a and 1969b.

1968 “On symbolizing singularity S_5 functions,” *Notre Dame Journal of Formal Logic*, 9 (1968), 340–342. [Full text](#).

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1969a “The numerical epsilon,” *Notre Dame Journal of Formal Logic*, 10 (1969), 47–63. Abstract, *Journal of Symbolic Logic*, 32, 432. [Full text](#).

Ontology, extended by an axiom of infinity, is used to derive Peano’s arithmetic. Section one gives the main theses of this derivation, which parallels the work of *Principia Mathematica*. In section two a numerical epsilon is defined and it is shown that an internal ontological model for this epsilon exists. Using the numerical epsilon, the paper concludes by providing a characteristically ontological model for Peano’s arithmetic.

1969b “Leśniewski’s terminological explanations as recursive concepts,” *Notre Dame Journal of Formal Logic*, 10 (1969), 337–369. [Full text](#).

1969c “Ontology: Leśniewski’s logical language,” *Foundations of Language, International Journal of Language and Philosophy*, 5 (1969), 455–469. Autorreferat, *lem Z*, 198, 15. Reprinted in Szrednicki, Rickey & Czelakowski 1984, pp. 149–163.

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1976 “The proper interpretation of ontology,” *XXIInd Conference on the History of Logic, 5–9 July 1976*, Kraków, 6–8.

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Carnap, Rudolf (1891–1970)

1949 *The Logical Syntax of Language*, London: Routledge and Kegan.

Carrara, Massimiliano and Martino, Enrico

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Casari, E.

1985 *I sistemi logici di Leśniewski* (The Logical Systems of Leśniewski), unpublished manuscript.

Carewright, Helen M.

1975 “Amounts and measure of amount,” *Noûs* 9 (1975), 143–164.

Celiščev, Vitalij V.

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1974 *Logičeskaja istina i empirizm* (Logical Truth and Empiricism), Novosibirsk: Nauka.

In §3, pp. 24–34, several systems with substitutional and referential quantification are briefly discussed.

1976 *Logika suscestvovanija* (Logic and Existence), Novosibirsk: Nauka.

Chapter III, §7, pp. 82–93, discusses Leśniewski’s theory of existence based on Prior 1955a, 1962, and Lejewski 1954b. Chapter IV, §4, discusses Leśniewski’s theory of descriptions, pp. 111–118; the use of the copula in ontology; and, referring to Lejewski 1954b, Luschei 1962), Prior 19551 and 1962, the substitution of descriptions for variables.

Chapter V, §3, pp. 132–138, discusses interrelations between two methods of quantification and two conceptions of logic. A comparison of substitutional and referential quantification is given.

Chénique, François

1974 *Comprendre la logique moderne*, Paris: Dunod, vol. 2.

Chikawa, Kazuo

1967 “On equivalences of laws in elementary protothetics. I, II,” *Proceedings of the Japan Academy*, 43 (1967), 743–747 and 44 (1968), 56–59. Reviews: *MR* 36#4960, *MR* 37#2576, and *Z*, 197, 3 (J. Bacon). [Full text](#).

Gives generalizations of Śłupecki's six laws that describe the properties of functions of one variable in elementary protothetic. Shows that each law of functions of one argument is equivalent to its corresponding law with two arguments.

Chisholm, Roderick (1916–1999)

1973 "Parts as essential to their wholes," *The Review of Metaphysics*, 26 (1973), 581–603.

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1975 "Mereological essentialism: Some further considerations," *The Review of Metaphysics*, 28 (1975), 477–484.

Church, Alonzo (1903–1995)

1951 "The need for abstract entities in semantic analysis," *Proceedings of the American Academy of Arts and Sciences*, 80 (1951), 100–112.

1956 *Introduction to Mathematical Logic*, volume 1, Princeton: Princeton University Press.

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1972 "Axioms for functional calculi of higher order," pp. 97–213 in *Logic and Art: Essays in Honor of Nelson Goodman*, Richard Rudner and Israel Scheffler (editors), London: Bobbs-Merrill, 1972.

Chwistek, Leon (1884–1944)

1912 *Zasada sprzeczności w świetle nowszych badań Bertranda Russella (The Principle of Contradiction in the Light of New Investigations of Bertrand Russell)*, Kraków: Polska Adademia Umiejętności, 1912.

Cited by Leśniewski 1913c. See Leśniewski 1992, p. 62, 74, 77.

1922 "Zasady czystej teorii typów" (Principles of the simple theory of types), *Przegląd Filozoficzny*, 25 (1922), 359–391.

Leśniewski's work is discussed on page 372.

1924 "The theory of constructive types. Principles of logic and mathematics," *Rocznik Polskiego Towarzystwa Matematycznego (Annals of the Polish Society of Mathematics)*, 2, 9–48 and 3, 92–141.

There are several comments about Leśniewski.

1935 *Granice nauki. Zarys logiki i metodologii nauk ścisłych*, Lwow-Warszawa: Książnica-Atlas. English Translation: 1948.

1948 *Limits of Science*, London: Routledge and Kegan. Revised and annotated English translation of 1935. Reviewed by John Myhill, *Journal of Symbolic Logic*, 14, 119–125.

Cites Leśniewski's ontology, p. 103, and his views on the empty class, pp. 113–114.

Chrudzimski, Arkadiusz

- 2006 “The young Leśniewski on existential propositions,” pp. 107–120 in Chrudzimski and Łukasiewicz 2006.

Chrudzimski, Arkadiusz and Łukasiewicz Dariusz

- 2006 *Actions, Products, and Things: Brentano and Polish Philosophy*, Frankfurt: Ontos Verlag, 2006. This volume is on line at USMA.

This volume is devoted to Brentano’s influence on the Lvov-Warsaw School.

Cīrulis, Jānis P. (Born 1943)

- 1975 “Logika s Vključeniem” (Logic with inclusion), *Zeitschrift für math. Logik und Grundlagen der Math.*, 21 (1975), 247–266.
Can be regarded as the realization of some ideas of Canty 1971.
- 1979 “Protothetic without typical ambiguity of expressions,” (in Russian), *Latvian Mathematical Yearbook*, 23 (1979), 166–178.
- 1979 “Traditional means of inference in protothetic,” (in Russian), *Latvian Mathematical Yearbook*, 23 (1979), 179–933.
- 1982 “On axioms of protothetic with extended rule of extensionality,” (in Russian), *Latvian Mathematical Yearbook*, 26 (1982), 264–270.
- 1983 “Some metalogical results on Leśniewski’s systems,” pp. 92–95 in *Logic, Methodology and Philosophy of Science (Papers of Soviet scientists submitted to the Soviet National Organization Committee for the VII International Congress)*, sect 1-5, 7, Moscow, 1983, 92–95.
- 1985 “The rule of parametric substitution in protothetic,” *Bulletin of the Section of Logic*, vol. 14/4 (1985), 134–137. [Full text.](#)
- 2004 “A first-order logic for multi-algebras,” *Novi Sad J. Math.*, Vol. 34, No. 2, 2004, 27–36. [Full text.](#)
- 19xx “Definitions in protothetic,” *Latvian Mathematical Yearbook*, to appear.

Clark, Bowman L.

- 1981 “A calculus of individuals based on “connection”,” *Notre Dame Journal of Formal Logic*, 22 (1981), 204–218. MR614118. Z0438.03032. [Full text.](#)

Clay, Robert E.

- 1961 *Contributions to Mereology*, Ph.D. Dissertation in Mathematics, University of Notre Dame, under the direction of Sobociński. xv + 180 pp.
- 1965 “The relation of weakly discrete to set and equinumerosity in mereology,” *Notre Dame Journal of Formal Logic*, 6 (1965), 325–340. MR210595 (35 #1482). [Full text.](#)

It is shown that under the conditions of weakly discrete the collective and distributive classes become alike with respect to equinumerosity. Hence, we can prove the analogues of set-theoretic formulae. Also, for a certain type of statement, discrete and weakly discrete are equivalent.

- 1966 “On the definition of a mereological class,” *Notre Dame Journal of Formal Logic*, 7 (1966), 359–360. Reviewed *MR* 38#2003. [Full text](#). Reprinted in Srzednicki, Rickey & Czelakowski 1984, pp. 229–230.

If the usual mereological definition of class is replaced by the shorter definition:

$$[Aa] : .A \varepsilon Kl(a). \equiv: A \varepsilon A : [B] : a \subset el(B). \equiv .A \varepsilon el(B)$$

then the resulting system is *not* equivalent to mereology. Models are given to show that this system is weaker than mereology.

- 1968 “The consistency of Leśniewski’s mereology relative to the real number system,” *Journal of Symbolic Logic*, 33 (1968), 251–257. Reviewed by Canty, *Z*, 182, 318. [JSTOR](#). Have copy.

As the base for the model take the set of real numbers whose decimals contain only zeros and ones with the exception of 0. This guarantees that representations are unique. Then define ‘*A* is an element of *B*’ to mean that every place where *A* has a 1 in its decimal expansion, *B* does also. All axioms and rules are verified under this interpretation. The real number system is introduced axiomatically into ontology; thus the rules of ontology go over.

- 1969 “Sole axioms for partially ordered sets,” *Logique et Analyse*, 12, #48, 361–375.
- 1970 “The dependence of a mereological axiom,” *Notre Dame Journal of Formal Logic*, 11 (1970), 471–472. Reprinted in Srzednicki, Rickey & Czelakowski 1984, pp. 239–240. [Full text](#).

In the standard axiom system based on element the axiom stating that every individual is an element of itself is dependent. This is not true in the standard axiom system based on part, even though Tarski 1929 claims otherwise.

- 1971 “A model for Leśniewski’s mereology in functions,” *Notre Dame Journal of Formal Logic*, 12 (1971), 467–478. Corrections, *Notre Dame Journal of Formal Logic*, 16, 269–270. MR0295886. Z0188.01501. Reviews: *MR* 45#12708, *Z* 188, 15; *Z*, 301, 02028 (Autorreferat). [Full text](#). See his 1975 for corrections.

- 1972 “On inductive finiteness in mereology,” *Notre Dame Journal of Formal Logic*, 13 (1972), 88–90. Reviewed *MR* 45#6582 (MR0297528), and Z0214.01205. [Full text](#).

Clay proves that if *a* is finite, then the set of *a* is finite. Sobociński had previously proved this under the hypothesis that *a* is discrete.

- 1973 “Two results in Leśniewski’s mereology,” *Notre Dame Journal of Formal Logic*, 14 (1973), 559–564. Autoreferat: *Z* 267, 02008. [Full text](#).

The short definition of class can be proved without the use of auxiliary definitions. This is significant as Leśniewski 1927 used the mereological notion of set in his proof. The results of Clay 1965 still hold in the weakened system using the short definition of class.

1974 “Relation of Leśniewski’s mereology to boolean algebra,” *Journal of Symbolic Logic*, 39 (1974), 638–648. Reprinted in Srzednicki, Rickey & Czelakowski 1984, pp. 241–252.

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Disproves the claim of Tarski 1935 and Grzegorzczuk 1955 that models of mereology and models of complete Boolean Algebras with zero deleted are identical.

1974a “Some mereological models,” *Notre Dame Journal of Formal Logic*, 15 (1974), 141–146. [Full text](#).

The non-empty regular sets of any topological space form a Boolean Algebra with zero deleted. Thus, by Clay 1974a, we have a variety of models of mereology. For example, Euclidean space provides a model of atomless mereology.

1975 “Corrections to my paper: A model for Leśniewski’s mereology in functions,” *Notre Dame Journal of Formal Logic*, 16 (1975). 269–270. [Full text](#).

1975 “Single axioms for atomistic and atomless mereology,” *Notre Dame Journal of Formal Logic*, 16(1975), 345–351. [Full text](#).

Provides single axioms shorter than those of Lejewski 1973a.

1980 “Introduction to Leśniewski’s logical systems,” *Annali dell’Istituto di Discipline Filosofiche dell’ Università di Bologna*, 5–31.

1981 *La Mereologia de Lesniewski*, Universidad de Oriente, Cumana, Venezuela.

Cocchiarella, Nino B.

2001 “A conceptualist interpretation of Leśniewski’s ontology,” *History and Philosophy of Logic*, 22 (2001), 29–43.

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2004 *Leśniewski and the logic of names: Lecture seven, intensive course STOQ 50547, II Semester April 26-30, 2004*. [Full text](#).

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2005 “Denoting concepts, reference, and the logic of names, classes as many, groups, and plurals,” *Linguistics and Philosophy*, 28 (2), April 2005, 135–179.

Cohen, Laurence Jonathon (1923–2006)

1966 “Does logic deny the possibility of an empty universe?,” pp. 255–264 in L. Cohen, *The Diversity of Meaning*, London: Methuen, 2nd ed.

Basically a critique of Lejewski 1954b. Sympathetic but mistaken.

1974 “Roger Gallie and substitutional quantification,” *Analysis*, 34 (1974), 69–73.

Coniglione, Francesco; Poli, Roberto and Woleński, Jan, editors

1993 *Polish Scientific Philosophy: The Lvov-Warsaw School*, Poznań Studies in the Philosophy of the Sciences and the Humanities, vol. 28. Rodopi, Amsterdam and Atlanta, 1993, 358 pp. Reviewed by Rudolf Fara, *The Slavonic and East European Review*, Vol. 73, No. 3 (July 1995), pp. 557–559; [JSTOR](#). [Google books](#).

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Carazzon, Raul

2010 “Stanislaw Lesniewski’s logical systems: protothetic, ontology, mereology,” Available only on the web at <http://www.ontology.co/lesniewskis.htm> .

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Corcoran, John; Frank, William and Maloney, Michael

1974 “String theory,” *Journal of Symbolic Logic*, 39 (1974), 625–637.

A valuable paper dealing with the same subject as Rickey 1972.

Costdaa, Newton C. A. and Béziau, Jean-Yves

1998 “Définition, théorie des objets et paraconsistance” (Definition, Objects Theory and Paraconsistance), *Theoria*, 13 (2) (1998), 367–379.

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It is emphasized that the elimination of definitions is not necessarily straightforward, especially in the case of paraconsistent logic.

Correia, Fabrice

2001 “Dépendance existentielle, fondation et objets composés,” pp. 115–128 in *Méréologie et modalités. Aspects critiques et développements*, Université de Neuchâtel: Travaux de logique, 14.

Cotnoir, Aaron J.

???? *Non-Classical Mereologies and their Applications*, PhD, Philosophy, University of Connecticut, 2010. Supervisor: J. C. Beall.

2010 “Anti-symmetry and non-extensional mereology,” *The Philosophical Quarterly*, Volume 60, Issue 239, pages 396–405, April 2010.

Author’s abstract: I examine the link between extensionality principles of classical mereology and the anti-symmetry of parthood. Varzi’s most recent defence of extensionality depends crucially on assuming anti-symmetry. I examine the notions of proper parthood, weak supplementation and non-well-foundedness. By rejecting anti-symmetry, the anti-extensionalist has a unified, independently grounded response to Varzi’s arguments. I give a formal construction of a non-extensional mereology in which anti-symmetry fails. If the notion of “mereological equivalence” is made explicit, this non-anti-symmetric mereology recaptures all of the structure of classical mereology.

2013 “Strange parts: The metaphysics of non-classical mereologies,” *Philosophy Compass*, 8 (9) 834–845.

2015 “Abelian mereology,” *Logic & Logical Philosophy*, (Special Issue: Mereology & Beyond) (eds.) A. C. Varzi and R. Gruszczyński, 24:4, 429–447, 2015.

Cotnoir, A. J.; Varzi, Achille C.

2019 “Natural axioms for classical mereology,” *The Review of Symbolic Logic*, 12 (2019), no. 1, 201–208. MR3920340.

We present a new axiomatization of classical mereology in which the three components of the theory — ordering, composition, and decomposition principles — are neatly separated. The

equivalence of our axiom system with other, more familiar systems is established by purely deductive methods, along with additional results on the relative strengths of the composition and decomposition axioms of each system.

Cotnoir, Aaron J., and Bacon, Andrew

“Non-wellfounded mereology,” *The Review of Symbolic Logic*, [Full text](#).

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Couturat, Louis (1868–1914)

1905 *L'Algèbre de la logique*, Paris: Gauthier-Villars, 1905.

1914 *The Algebra of Logic*, English translation of 1905 by Lydia Gillingham Robinson, with a preface by Philip E. B. Jourdain. [Full text](#) at Project Gutenberg.

1918 *Algebra logiki*, Warszawa: Wydawnictwo Kasy im. Mianowskiego. Polish translation of 1905 by Bronisław Knaster.

Łukasiewicz initiated the translation of this work [Woleński 1995, p. 371]. It was most likely used as a textbook.

Cresswel, Max J. (Born 1939)

1966 “Functions of propositions,” *Journal of Symbolic Logic*, 31 (1966), 545–560.

This has some connections with protothetic.

1977 “Categorical languages,” *Studia Logica*, 36 (1977), 257–269.

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Crossley, John N., compiler (Born 1939)

1975 “Reminiscences of logicians,” pp. 1–62 in *Algebra and Logic*, Lecture Notes on Mathematics 450, Springer.

An edited transcript of a group of logicians, including S. C. Kleene, M. Morley and A. Mostowski, reminiscing about the early history of mathematical logic, especially recursion theory. Included is information about the logical climate in Poland and personal information about E. Post. Leśniewski is mentioned.

Curry, Haskell Brooks (1900–1982)

1961 “Some logical aspects of grammatical structure,” pp. 56–58 in: *Structure of Language and its Mathematical Aspects, Proceedings of the 12th Symposium in Applied Mathematics*, R. Jacobson (editor), Providence: American Mathematical Society.

Czernecka-Rej, Bożena

???? “[Salamucha, Jan](#).” Biographical article in Polish from PEF — I Copyright by Polskie Towarzystwo Tomasza z Akwinu

Czeżowski, Tadeusz (1889-1981)

Here is a link to an [extended bibliography of Czeżowski's works](#).

- 1949 *Logika. Podrecznik dla studiujacych nauki filozoficzne* (Logic. Manual for Philosophers), Warszawa: Państwowe Zakłady Wydawnictw Szkolnych. Second edition 1968, 282pp. [Table of Contents](#).

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- 1960 “Tribute to Kazimierz Twardowski on the 10th anniversary of his death in 1938,” *The Journal of Philosophy*, 57 (1960), 209–215. Have copy.

- 1974 “Polish philosophy in the interwar period 1919–1939,” *Dialectics and Humanism*, 1 (1974), 27–35.

Dąbbska, Izydora (1904–1983)

For biographical information and a list of her publications, see Jerzy Perzanowski, “Izydora Dąbbska (1904–1983),” *Studia Logica*, 42 (1983), 379–381. Have copy.

- 1948 “W sprawie izw. nazw pustych,” (On the so-called empty names), *Przegląd Filozoficzny*, 44 (1948), 77–81. English summary p. 289.

- 1949 “Z filozofii imion własnych,” (Issues in the philosophy of proper names), *Kwartalnik filozoficzny*, 18 (1949), 241–261. 1979 is an English translation.

- 1979 “Concerning the so-called empty names,” pp. 126–130 [????] in Pelc 1979.

Dapigny, Richard and Barlatier, Patrick

- 2017 “[Towards a qualitative representation for specifying natural language](#),”

Davis, Charles

- 1973 *An Investigation Concerning the Hilbert-Sierpiński Logical Form of the Axiom of Choice*, Ph.D. dissertation, University of Notre Dame, under the direction of Sobociński.

- 1974 “Some semantically closed languages,” *Journal of Philosophical Logic*, 3 (1974), 229–240. [First page](#).

- 1975 “An Investigation concerning the Hilbert-Sierpiński logical form of the axiom of choice,” *Notre Dame Journal of Formal Logic*, 16 (1975), 145–184.

- 1976 “A note on the axiom of choice in Leśniewski’s ontology,” *Notre Dame Journal of Formal Logic*, 17 (1976), 35–43. [Full text](#).

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Dawson, John W., Jr. (Born 1944)

- 1985 “The reception of Gödel’s incompleteness theorem,” *PSA 19 84: Proceedings of the Biennial Meeting of the Philosophy of Science Association*, 2 (1985), 253–271. Reprinted in *Perspectives on the History of Mathematical Logic*, Thomas Drucker, editor, Boston, Basel, Berlin:

Birkhäuser, 1991, ISBN 0-8176-3444-4 and 3-7643-3444-4. [Reviewed](#) by Jan Woleński, *Studia Logica*, 54 (1995), 418–420.

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view.

Woleński points out that Gödel’s incompleteness theorem was known in Poland via a talk by Tarski to the Warsaw Philosophical Society, April 15, 1931.

Dedekind, Richard (1831–1916)

1888 *Was sind und was sollen die Zahlen?*, Braunschweig: Vieweg, 1888.

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Dembowski, Jan

1952 *Science in New Poland*, London: Lawrence and Wishart, 1952, 59pp.

De Pater, W. A.

1974 “Semiotiek in Polen,” *Tijdschrift voor Philosophie*, 36 (1974), 762–777.

Ditchen, Ryszard; Glibowski, Edmund and Kościk, Stanisław

1963 “O pewnym układzie pojęć pierwotnych geometrii elementarnej” (On a system of foundations for elementary geometry), *Acta Universitatis Wratislaviensis. Matematyka, Fizyka, Astronomia*, 4.17, 5–11.

Djankov, Bogdan

1974 “ ‘Rol’ teorii semanticeskich kategorij v obosnovanii sovremennich logiceskich teorii” (The role of semantical categories in the foundations of modern logical theories), pp. 439–457 in *Philosophy in the Contemporary World. Philosophy and Logic* (in Russian), Moscow: Nauka. “The problem stated there is considered more as historical-logical than purely theoretical” (p. 439). Sections 3 and 4, pp. 442–452, contain a brief review of the development of the theory of semantical categories in the works of Husserl, Leśniewski, Ajdukiewicz, and Tarski.

Drewnowski, Jan Franciszek (1886–1978)

1934 “Zarys programu filozoficznego” (Outline on a philosophical program) *Przegląd Filozoficzny*, 37, 3–38, 150–181, 262–292.

Drucker, Thomas

1991 *Perspectives on the History of Mathematical Logic*, Birkhäuser, 1991. [Reviewed](#) by Jan Woleński, *Studia Logica*, 54 (1995), 418–420.

Duda, Roman (Born 1935)

1996 “Fundamenta Mathematicae and the Warsaw School of mathematics,” pp. 479–498 *L’Europe mathématique / Mathematical Europe*, edited by C. Goldstine, J. Gray, and J. Ritter. Editions de la Maison des sciences de l’homme, Paris, 1966. MR1770141 01A60 (01A72).

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2004 “On the Warsaw interactions in logic and mathematics in the years 1919–1939,” *Annals of Pure and Applied Logic*, 127 (2004), 289–301. Cited by Betti 2008.

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2007 *Lwowska Szkoa Matematyczna*, Wydawn: Uniwersytetu Wrocławskiego.

2012 “Emigration of mathematicians from Poland in the 20th century (roughly 1919–1989),” *Organon* 44. http://www.ihnpan.waw.pl/wp-content/uploads/2016/03/7_duda.pdf

Dudman, V. H.

1973 “Frege on definition,” *Mind*, New Series, vol. 82, no. 328 (October 1973), 609–610. [JSTOR](#).

Dumitriu, Anton (1905–1992)

1977 *History of Logic*, Turnbridge Wells Kent: Abacus Press.

Dummett, Michael (Born 1925)

1973 “Frege’s way out: A footnote to a footnote,” *Analysis*, 33 (1973), 139–140.

Dunn, J. M., and Belnap, N. D.

1968 “The substitutional interpretation of the quantifiers,” *Noûs*, 3 (1968), 177–185.

<http://www.pitt.edu/~belnap/52thesubstitutioninterpretation.pdf>

Simons 1983, note 2, says that the Dunn-Belnap interpretation is “more careful” than that of Küng-Canty 1970 in that the later “presupposes the existence of sets as the extensions of terms.”

Dupraz, Marie-Louise and Rouault, Jacques

1968 *Lexis-Affirmation-Négation: Étude fondée sur les classes*, Grenoble: Centre d’études pour la traduction automatique, document G. 2400-A.

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Eberle, Rolf A. (1931–2014)

1965 *Nominalistic Systems — the Logic and Semantics of Some Nominalistic Positions*, Ph.D. dissertation, University of California at Los Angeles, under the direction of Donald Kalish.

1967 “Some complete calculi of individuals,” *Notre Dame Journal of Formal Logic*, 8 (1967), 267–278. https://projecteuclid.org/download/pdf_1/euclid.ndjfl/1094068838

1968 “Yoes on non-atomic systems of individuals,” *Noûs*, 2 (1968), 399–403. [JSTOR](#).

Tries to formulate a principle of individuation suitable for non-atomic systems. The problem was raised by Yoes 1967; this solution was criticized by Schuldenfrei 1969.

- 1969a “Non-atomic systems of individuals revisited,” *Noûs*, 3, 431–434.
An improvement of his 1968.
- 1969b “Denotationless terms and predicates expressive of positive qualities,” *Theoria*, 35 (1969), 104–124. Reviewed by John Corcoran, MR 43#31.
Presents a first-order logic which permits empty universes in interpretations. This interesting and plausible semantic theory can account for partially defined operators.
- 1970 *Nominalistic Systems*, New York: Humanities Press; Dordrecht, Holland: D. Reidel, 1970, ix + 217 pp. Reviewed by Fred Wilson, *Philosophy of Science*, Vol. 39, No. 4 (December 1972), 556–558; [JSTOR](#).
- 1974 “Ontologically neutral arithmetic,” *Philosophia*, 4 (1974), 67–94.

Edwards, Paul, Editor (1923–2004)

- 1967 *The Encyclopedia of Philosophy*, New York: The Macmillan Company and the Free Press, and London: Collier-Macmillan Limited, 8 volumes. Contains the following articles of interest (which are not listed separately in this bibliography):
 “Ajdukiewicz, Kazimierz,” I, 62–63, by Z. A. Jordan.
 “Brentano, Franz,” I, 363–368, by Roderick M. Chisholm.
 “Chwistek, Leon,” II, 112–113, by H. Hiż.
 “Definition,” II, 314–324, by Raziel Abelson.
 “Existence,” IV, 509–513, by A. N. Prior.
 “Goodman, Nelson,” II, 225–237, by Richard S. Rudner.
 “Kotarbiński, Tadeusz,” IV, 361–363, by Z. A. Jordan.
 “Leśniewski, Stanisław,” IV, 441–443, by C. Lejewski.
 “Polish Logicians,” IV, 566–568, by A. N. Prior.
 “Łukasiewicz, Jan,” V, 104–107, by C. Lejewski.
 “Polish Philosophy,” VI, 363–370, by George Krzywicki-Herburt.
 “Semantics, history of,” VII, 358–406, by Norman Kretzmann.
 “Syntactical and semantical categories,” VIII, 57–61, by Y. Bar-Hillel.
 “Tarski, Alfred,” VIII, 77–81, by A. Mostowski.
 “Twardowski, K.,” VIII, 166–167, by George Krzywicki-Herburt.
 “Types theory of VIII, 168–172, by Y. Bar-Hillel.
- Reviews of some of these articles by W. Craig and B. Mates, *Journal of Symbolic Logic*, 35, 295–310.

Eschenbach, Carola and Heydrich, Wolfgang

- 1995 “Classical mereology and restricted domains,” *International Journal of Human-Computer Studies*, vol. 43, Issues 5–6, November 1995, 723–740. Abstract.

Evans, Gareth

- 1976 “Semantic structure and logical form,” pp. 198–222 in *Truth and Meaning: Essays in Semantics*, edited by Evans, Oxford: Clarendon Press.

Evenden, John

1962 “A lattice diagram for the propositional calculus,” *Mathematical Gazette*, 46 (1962), 119–122. [JSTOR](#).

Evenden, John and Hubbeling, H. G.

1969 “A synthesis of truth-function diagrams,” *Logique et Analyse*, 12 (1967), #46, 123–128.

Farber, Marvin (1901–1980)

1943 *The Foundations of Phenomenology*, Albany: State University of New York Press (3rd Edition, 1967).

Chapter X, pp. 283–3112, contains an analysis of wholes and parts as presented by Husserl.

Feferman, Anita Burdman and Feferman, Solomon

2004 *Alfred Tarski: Life and Logic*, Cambridge: Cambridge University Press, vi + 425, 2004. ISBN 978-0-521-80240-6. Paperback 2008, ISBN 978-0-521-71401-3. Reviewed by Irving H. Anellis, *The Review of Modern Logic*, 10 (2005), 117–129, by Roger D. Maddux, *The Bulletin of Symbolic Logic*, 11 (2005), 535–540, by Elliott Mendelson, *Philosophia Mathematica*, 13 (2) (2005), 231–232, and by Anil Nerode, *The American Mathematical Monthly*, 117 (2010), 286–288.

Have Maddux review

Feferman, Solomon (1928 –2016)

2002 “Tarski’s conceptual analysis of semantical notions.” [Full text](#). See Betti 2008, p. 68 for publishing info.

Have copy.

Feys, Robert (1889–961) and Fitch, Frederic B. (1908–1987)

1969 *Dictionary of Symbols of Mathematical Logic*, Amsterdam: North-Holland.

Fillion, Nicolas

2007 “Two accounts of Aristotle’s logic. A comparison of Łukasiewicz’s and Corcoran-Smiley’s reconstructions,” Seminar on Aristotelian Logic, University of Western Ontario, 39 pp, April 16, 2007. [Full text](#)

Fleming, Christopher J.

1996 *Nominalistic Elements in the Work of Stanislaw Lesniewski*. MA Thesis, University of Rhode Island, v + 87pp. Copy in University of Rhode Island Library. [Citation](#). To do: Check on accents in title. Link to his web page. Link to library. Thesis advisor?

Floyd, W. F. and Harris, F. T. C. editors.

1964 “Joseph Henry Woodger, Curriculum Vitae,” pp. 1–6 in *Form and Strategy in Science, Studies Dedicated to Joseph Henry Woodger on the Occasion of his Seventieth Birthday*, Dordrecht/Boston: Reidel.

“Amongst the philosophers with whom Woodger now came into contact was Professor K. R. Popper who introduced him to A. Tarski. In his analysis of the relation ‘part of’, a prerequisite for the study of theories involving statements about structure, Woodger had independently developed a system that was similar to Leśniewski’s *Mereology*. Tarski’s excitement at the first development of an application of such a system was a considerable stimulus to Woodger. In 1935 he went to Poland in order to meet with the Polish school of Logicians and to discuss mutual ideas, especially with Łukasiewicz and Tarski with whom he had been in correspondence.” [p. 4]

“In 1949 he was invited to give the Tarner Lectures at Trinity College Cambridge. In these he expanded more fully his view that a nominalistic attitude was the correct basis for the language of science.” [p. 5]

Forrest, Peter (Born 1948)

1996 “How innocent is mereology?,” *Analysis*, 56 (4) (July 1996), 127–131. JSTOR. .

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2002a “Sets as mereological tropes,” *Metaphysica*, 3 (2002), 5–10.

2002b “Nonclassical mereology and Its application to sets?,” *Notre Dame Journal of Formal Logic*, 43 (2002), 79–94. https://projecteuclid.org/download/pdfview_1/euclid.ndjfl/1071509430

Fraenkel, Abraham (1891–1965)

1923 *Einleitung in die Mengenlehre. Eine elementare Einführung in das Reich des Unendlichgrossen*, second edition, Berlin: Springer, 1923. The first edition, 1919, has a slightly different subtitle.

Cited by Leśniewski 1927. See Leśniewski 1992, p. 212–214.

Fraenkel, Abraham A. and Bar-Hillel, Yehoshua

1958 *Foundations of Set Theory*, Amsterdam: North Holland.

There is the barest outline of ontology on pp. 185–188. They comment: “We seem to stand at the verge of a real interest in the work of these two logicians [Leśniewski and Chwistek] that has already fertilized the thought of many a worker in the foundations of Mathematics.” [p. 186]. There is a discussion of Leśniewski’s semantical categories on pp. 168–171.

Fraenkel, Abraham A., Bar-Hillel, Yehoshua and Levy, Azriel

1973 *Foundations of Set Theory*, Amsterdam: North Holland. Second revised edition of Fraenkel and Bar-Hillel 1958.

Franzke, Norbert and Rautenberg, Wolfgang

1972 “Zur Geschichte der Logik in Polen, *Quantoren — Modalitäten — Paradoxien*,” *Beiträge zur Logik*, 39–94. Z 305, 02002.

Fredj, Mounia

1995 “Implémentation des principes méréologiques,” pp. 275–296 in [Miéville and Vernant 1995](#).

Frege, Gottlob (1848–1925)

- 1893 *Grundgesetze der Arithmetik, begriffsschriftlich abgeleitet*, Jena, volume 1. Reprinted as 1962. Parts are available in English translation.
 Leśniewski was aware of Frege's work after the publication of *Principia Mathematica*. See especially §33 on definitions.
 Cited by Leśniewski in 1927. See 1992, p. 177, 179, 189, 190, 208–209, 218–219, 225.
 ***** I got tired when I got to 1929b, p. 410, so need to come back to this. *****
- 1894 *Die Grundlagen der Arithmetik: ein logisch mathematische Untersuchung*, Breslau: Marcus. 1953 is an English translation, 1969 a French.
- 1895 “Kritische Beleuchtung einiger Punkte in E. Schröder's Vorlesungen über die Algebra der Logik,” *Archiv für systematische Philosophie*, 1, 433–456. English translation in Frege 1960, pp. 86–109.
 This citation does not match 1992, p. 203.
 (Edité dans *Translations from the Philosophical Writing's of Gottlob Frege*, ed. P. Geach & M. Black, 2nd ed. [1960], Oxford, 86-106).
 Cited by Leśniewski in 1927. See 1992, p. 203, 214–217
- 1903 *Grundgesetze der Arithmetik, begriffsschriftlich abgeleitet*, Jena, volume 2. Reprinted as 1962. Cited by Leśniewski in 1927. See 1992, p. 177, 178, 195, 220
- 1953 *The Foundations of Arithmetik: A Logicomathematical Enquiry into the Concept of Number*, New York: Philosophical Library. Translated by J. L. Austin.
- 1960 *Translations from the Philosophical Writings of Gottlob Frege*, edited by Peter Geach and Max Black. Second edition, 1960.
- 1962 *Grundgesetze der Arithmetik*, Hildesheim: Olms. Photographic reproduction of 1893 and 1903.
- 1969 *Les fondements de l'arithmétique*, Paris: Seuil. Translated of 1894 by and with an introduction by C. Imbert.
- 1971 *Écrits logiques et philosophiques*, Paris: Seuil. Translated by and with an introduction by C. Imbert.
- 2007 *The Foundations of Arithmetic. A Logical-Mathematical Investigation into the Concept of Number. Translated with an Introduction and Critical Commentary by Dale Jacquette*. New York: Longman. xxxii + 112 pp. Reviewed by Schirn 2009.

Gallie, Roger D.

- 1973 “A. N. Prior and substitutional quantification,” *Analysis*, 34 (1973), 65–69.
 1975 “Substitutionalism and substitutional quantification,” *Analysis*, 35 (1975), 97–101.

Garbacz, Paweł

- 2000a “Łukasiewicz semper reformandus,” *Ruch Filozoficzny*, (2000), 31–35.

Need volume number.

2000b “W stronę Łukasiewicza,” (Towards Łukasiewicz), *Filozofia Nauki*, 29 (2000), 73–83.

2002 “Philosophical motivations of Jan Łukasiewicz’s three-valued logic,” *Studies in Logic and Theory of Knowledge*, 5 (2002), 67–87. [Full text](#) of a preprint of the paper (19 pp.).

Have copy.

Gardies, Jean-Louis (1925–2004)

1956 “On Frege’s way out,” *Mind*, 63 (1956), 408–409.

1960 “A program for syntax,” *Synthese*, 22 (1960), 3–17.

1972 *Logic Matters*, Berkeley: University of California Press.

1975 *Esquisse d’une grammaire pure*, Paris: Vrin.

1976 “On so-called ontological definitions,” pp. ???? in *Surma* 1976.

1984 *Rational Grammar*, Philosophia.

1994 *Les fondements sémantiques du discours naturel*. Paris: Vrin. GEACH, Peter T.

Garrido, Ángel and Wybraniec-Skardowska, Urszula (Editors)

2018 *The Lvov-Warsaw School. Past and Present*, Birkhäuser. There are 46 chapters:

Gasser, James

1986 “Un Développement Des Systèmes Logiques de Stanislas Leśniewski (1886–1939). Protothétique, Ontologie, Méréologie,” *Theoria*, 2 (1), 191–192.

1999 “Logic and metaphor,” *History and Philosophy of Logic*, 20 (3-4), 227–238.

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Gauthier, Yvon

1976 *Fondement des mathématiques: introduction à une philosophie constructiviste*, Montréal: Les Presses de l’Université de Montréal. [1978] *Méthodes et concepts de la logique formelle*, Montréal: Les Presses de l’Université de Montréal.

Geach, Peter T. (1916–2013)

1956 “On Frege’s way out,” *Mind*, 63 (1956), 408–409.

A generalized form of Leśniewski’s proof that Frege’s way out of the Russell antinomy only generates new contradictions.

1960 “A program for syntax,” *Syntheses*, 22, 1960, 408–409.

Makes use of Ajdukiewicz’s notation.

Need to check date.

1976 “On so-called ontological definitions,” *XXIInd Conference on the History of Logic, 5–9 July 1976, Kraków*, p. 1. Abstract of a lecture.

Geach points out the similarity between the way that Okham and Leśniewski wrote definitions. Claims that Leśniewski failed to observe the Fregean canons of definition. He cites an

example in Prior 1956 which leads to contradictions and suggests that definitions be treated in the style of Quine’s abbreviative definitions. The consistency proof of Kruszewski 1925 as well as remarks in Rickey 1976 show that Geach is not interpreting Prior correctly.

Gentzen, Gerhard (1909–1945)

1934 Untersuchungen über das logische Schliessen. *Mathematische Zeitschrift*.

Gessler, Nadine

2001 “Des t’tes et des hommes,” *Méréologie et modalités. Aspects critiques et développements*, Université de Neuchâtel: Travaux de logique 14, 95-113.

2002 *Défense d’une sémantique de la relation de partie à tout en logique. Résolution de l’argument de De Morgan*, Thèse soutenue à l’Université de Neuchâtel sous la direction de D. Miéville.

2005 *Introduction à l’oeuvre de S. Leśniewski. Fascicule III: La méréologie*. Université de Neuchâtel: Travaux de logique. MR2188298 (2007b:03012) by Marcel Guillaume.

2007 *Introduction à l’oeuvre de S. Leśniewski. Fascicule V: Leśniewski, lecteur de Frege*. Université de Neuchâtel: Travaux de logique, 2007. Reviewed by Arianna Betti, *History and Philosophy of Logic*, 30 (2009), 200–201.

2007 “Abstraction and nominalization in Leśniewski’s ontology,” in Joray, Pierre (ed.), *Contemporary perspectives on logicism and the foundation of mathematics. Based on the conference on contemporary perspectives on logicism, Neuchâtel, Switzerland, April 2005*. Neuchâtel: Université de Neuchâtel, Centre de Recherches Sémiologiques. Travaux de Logique. Centre de Recherches Sémiologiques 18, 63–82 (2007). 2007 Neuchâtel: Université de Neuchâtel, Centre de Recherches Sémiologiques

<https://core.ac.uk/download/pdf/20661044.pdf>

“The author intends “to examine certain features that characterize the logicist construction that can be performed within the categorial and expansive framework provided by Leśniewski’s Ontology, by putting these features in relation with the question of procedures of abstraction and nominalization.” The paper contains an informal discussion of Ontology (singular propositions, ontological neutrality, definitions, introducing the concepts of equinumericity and cardinal number); no mathematical results are presented.” Jānis Cīrulis (Riga)

Have review of B.

Gessler, Nadine and Miéville, Denis

2012 [Leśniewski’s criticisms of PM — title not known], the sixth essay in *Autour des Principia Mathematica de Russell et Whitehead*, edited by Alexandre Guay, Dijon: Editions Universitaires de Dijon. ISBN 978-2-36411-011-4. Reviewed by Russell Wahl, *Russell: Journal of the Bertrand Russell Studies*, vol. 34. Also reviewed by Ivor Grattan-Guinness, *Journal History and Philosophy of Logic*, 33 (4), 383–???

Giaretta, Pierdaniele

2001 “Individuation and mereological universalism,” in: *Méréologie et modalités. Aspects critiques et développements*, Université de Neuchâtel: Travaux de logique, 14, 55–74.

Giles-Peter, Andrew Robert

1972 *Nominalistic Philosophy of Logic: with Particular Reference to the Systems of Stanisław Leśniewski*, Master of Arts thesis, Philosophy Department, La Trobe University, Bundoora, Victoria, 1972.

Ginisti, Jean-Pierre

1991 “La créativité des définitions dans les systèmes para-euclidiens,” *Mathématiques, informatique et sciences humaines*, 1991, no. 116, pp. 69–88. [Citation](#). [Full text](#).

Ginisti, Jean-Pierre and Gregorowicz, Jan

1991 *Théorie de la définition*, Centre national de la recherche scientifique, 1991, 97 pages

Glibowski, Edmund

1969 “The application of mereology to grounding of elementary geometry,” *Studia Logica*, 24 (1968), 109–125. With Polish and Russian summaries. [Citation](#).

Glibowski, Edmund and Śłupecki, Jerzy

1956 “Geometria sześcianów,” *Zeszyty Naukowe WSP w Opolu, Matematyka*, 1 (1956), 38–47.

Glibowski, Edmund and Śłupecki, Jerzy

1956 “Geometria sześcianów” (Cube geometry), *Zeszyty Naukowe — Matematyka, Wyższa Szkoła Pedagogiczna*, 38–47.

Based on mereology.

Gobber, Giovanni

1985 “Alle origini della grammatica categoriale: Husserl, Leśniewski, Ajdukiewicz,” *Rivista di filosofia neoscolastica*, 77 (1985), 258–295. [JSTOR](#).

Gochet, Paul (1932–2011)

1972 *Esquisse d’une théorie nominaliste de la proposition*, Paris: A. Colin.

1980 *Outline of a Nominalistic Theory of Propositions. An Essay in the Theory of Meaning and in the Philosophy of Logic*, Dordrecht/Boston: Reidel.

Gochet, Paul; Gribomont, Pascal and Thayse, André

2000 *Logique. Vol. 3 Méthodes pour l’intelligence artificielle*, Paris: Hermes.

Accents on
Hermes?

Godfrey-Smith, W.

1976 “Names, indices and individuals,” *Analysis*, 37, 1–10.

Goldfarb, Warren D. (Born 1949)

- 1979 “Logic in the twenties: the nature of the quantifier,” *Journal of Symbolic Logic*, 44 (1979), 351–382.

Gombocz, Wolfgang Leopold

- 1977a “Logik und Existenz im Mittelalter,” *Philosophische Rundschau*, 24 (1977), 255–267.
- 1977b “Notizen zu Mallys Existenzfreier Logik,” *Conceptus*, 1 (1977), 393–396.
- 1979 “Lesniewski und Mally,” *Notre Dame Journal of Formal Logic*, 20 (1979), 934–945.
- 1982 “Kopula, Quantifikation und “Nominalismus” bei Leśniewski und Mally I: Kopula,” *Topoi*, 2.

Gómez-Torrente, Mario

A list of [his publications](#) is online. Probably more of them should be included.

- 1996 “Tarski on logical consequence,” *Notre Dame Journal of Formal Logic*, 37 (1996), 125–151.

This paper examines from a historical perspective Tarski’s 1936 essay, “On the concept of logical consequence.” I focus on two main aims. The primary aim is to show how Tarski’s definition of logical consequence satisfies two desiderata he himself sets forth for it: (1) it must declare logically correct certain formalizations of the ω -rule and (2) it must allow for variation of the individual domain in the test for logical consequence. My arguments provide a refutation of some interpreters of Tarski, and notably John Etchemendy, who have claimed that his definition does not satisfy those desiderata. A secondary aim of the paper is to offer some basic elements for an understanding of Tarski’s definition in the historical logico-philosophical context in which it was proposed. Such historical understanding provides useful insights on Tarski’s informal ideas on logical consequence and their internal cohesion.

Goodell, John D.

- 1952 “The foundations of computing machinery,” *The Journal of Computing Systems*, 1 (1952), 1–13. Reviewed, *Journal of Symbolic Logic*, 18, 283.

Leśniewski’s wheel-and-spoke notation is adopted here.

- 1953a “The foundations of computing machinery, part II,” *The Journal of Computing Systems*, 1 (1953), 86–110. Reviewed, *Journal of Symbolic Logic*, 18, 348.

This paper, which deals with the calculus of propositions with quantifiers, uses an adoption of Leśniewski’s wheel-and-spoke notation.

- 1953b “Notes on decision element systems using various practical techniques,” *The Journal of Computing Systems*, 1 (1953), 196–199. Reviewed, *Journal of Symbolic Logic*, 19, 143.

The wheel-and-spoke notation is used.

Goodman, Nelson (1906–1998)

[Bibliography](#) of works by and about Goodman.

1951 *The Structure of Appearance*, Harvard University Press, 1951. Second edition, Indianapolis and New York: Bobbs-Merrill, 1966.

There is much of value here on the Calculus of Individuals and its applications, as well as simplicity of primitive terms. There are important changes in the second edition.

Goodman, Nelson and Quine, Willard v. O.

1947 “Steps toward a constructive nominalism,” *Journal of Symbolic Logic*, 12 (1947), 105–122. Reviewed by Fitch, *Journal of Symbolic Logic*, 13, 49–50 and by Beth *MR*, 9, 262.

Götlind, Erik

[1951] “A Leśniewski-Mihailescu-Theorem for m -valued propositional calculi,” *Portugaliae Mathematica*, 10 (1951), 97–102.

Grattan-Guinness, Ivor (1941–2014)

1981 “On the development of logics between the two World Wars,” *American Mathematical Monthly*, 88 (1981), 495–509. [JSTOR](#).

2000 *The Search for Mathematical Roots, 1870–1940. Logics, Set Theories and the Foundations of Mathematics from Cantor through Russell and Gödel*, Princeton University Press, 2000. ISBN 0-691-05857-1.

Contains an interesting section on “The rise of Poland in the 1920s: The Lvów-Warsaw School,” pp. 489–497.

Grégoire, F.

1952 “La Philosophie polonaise contemporaine,” *Revue Philosophique de la France et de l'Étranger*, 142 (1952), 53–71. Available in [JSTOR](#).

Greiling, Kurt (1886–1942) and Nelson, Leonard (1882–1927)

1908 “Bemerkungen zu den Paradoxien von Russell und Burali-Forti. Bemerkungen zur vorstehenden Abhandlung vor Gerhard Hessenberg,” *Abhandlungen der Fries'schen Schule*, n.s., vol. 2 (1908), 300–334.

Leśniewski has adopted Nelson's definition of an antinomy, p. 314. Cited in Leśniewski 1927; page 178 of his *Collected Works*.

Greniewski, Henryk (1903–1972)

1925 “Próba dedukcyjnej teorii przyczynowości” (Attempt at a deductive theory of causality), *Przegląd Filozoficzny*, 28 (1925), 82–105.

1949 “Certain notions of the theory of numbers as applied to the propositional calculus,” *Casopis Pest. Mat. Fys.*, 74 (1949), 132–136. Reviewed by Curry, *MR*, 13, 198.

1950 “Functors of the propositional calculus,” *Annales de la Societe Polonaise de Mathematique*, 22 (1950), supplement, 78–86. Reviewed by Curry, *MR*, 13, 198.

1953 “Logika formalna w Polsce w dobie Odrodzenia,” (The renaissance of formal logic in Poland), *Problemy*, 10 (1953), 658–664.

Grize, Jean-Blaise (Born 1922)

1967 “Historique. Logique des classes et des propositions. Logique des prédicats. Logiques modales,” pp. 135–289 in *Logique et connaissance scientifique*, Paris: Gallimard (Encyclopédie de la Pléiade).

1972 “Notes sur l’ontologie et la méréologie de Leśniewski,” Université de Neuchatel: Travaux du Centre de Recherches Sémiologiques, no. 12, 35pp.

A clear brief introduction to ontology and mereology written especially for linguists.

1973 *Logique moderne*, Paris/ La Haye: Gauthier-Villars/Mouton, fasc. III.

Gromska, Daniela (1889–1972)

1948 “Philosophes polonais morts entre 1938 et 1945,” *Studia Philosophica*, 3 (1948), 31–91.

Contains obituaries of L’Abbé Stanisław Kobyłecji, Edward Stamm, Stanisław Leśniewski, Leon Chwistek, Władysław Hetper, Jan Salamucha, Janina Lindenbaum, Adolph Lindenbaum, Z. Schmiere, J. Metallmann, and Stanisław Schayer.

Grossmann, Reinhardt Siegbert (1931–2010)

[Obituary.](#)

1963 “Common names,” pp. 64–75 in: E. B. Allaire et al., editors, *Essays in Ontology*, Iowa: Publications in Philosophy 1.

1965 *The Structure of Mind*, Wisconsin: University of Wisconsin Press.

Deals with similar problems as Leśniewski. Sections on Twardowski, Meinong, etc., have more philosophical and historical relevance than might be apparent, but they cannot be taken uncritically as an accurate account.

1969 *Reflections on Frege’s Philosophy*, Northwestern University Press.

Contains a section on definitions.

Gruszczyński, Rafal and Pietruszczak, Andrzej

2008 “Full development of Tarski’s geometry of solids,” *The Bulletin of Symbolic Logic*, 14 (2008), 481–540. .

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2009 “Space, points and mereology. On foundations of point-free Euclidean geometry,” *Logic and Logical Philosophy*, vol. 18, no. 2 (1994),

Gruszczyński, Rafal and Varzi, Achille C.

, “[Mereology then and now](#),” *Logic and Logical Philosophy*, Volume 24 (2015), 409–427, DOI: 10.12775/LLP.2015.024

Grygianiec, Mariusz

2000 “Leśniewski przeciw powszechnikom” (Leśniewski against universals), *Filozofia Nauki*, 8 (2000), no. 3–4, 109–125.

Have copy.

2001 “Aksjomatyczna rekonstrukcja reizmu według Czesława Lejewskiego,” (An Axiomatic Reconstruction of Reism According to Czesław Lejewski), *Filozofia Nauki*, 9/4, 5–17. [Text](#)

Grzegorzycyk, Andrej (1922–2014)

1950 “The pragmatic foundations of semantics,” *Synthese*, 8 (1950), 300–324. Reviewed by Chisholm, *Journal of Symbolic Logic*, 16, 292.

Ontology is mentioned several times. He says that we can frequently regard the sign of inclusion, ‘ \subset ’, as equivalent to the sign ‘ ε ’ of membership (pp. 316–317). Formally this is correct because of the thesis

$$[mb] : m \varepsilon b. \equiv .m \subset b . m \varepsilon V$$

of ontology. Without the word ‘frequently’ he would be wrong. With it, the wrong impression is given.

1955 “The systems of Leśniewski in relation to contemporary logical research,” *Studia Logica*, 3 (1955), 77–95.

This paper has been criticized by Clay 1974a, Luschei 1962, pp. 154–166, and by Rickey 1977.

1959 “O pewnych formalnych konsekwencjach reizmu” (On certain formal consequences of reism), *Fragmenty Filozoficzne*, seria druga, Księga pamiątkowa ku uczczeniu czterdziestolecia pracy nauczycielskiej w Uniwersytecie Warszawskim Profesora Tadeusza Kotarbinskiego, PWN, Warsaw, 7–14. Reviewed by Lejewski, *Journal of Symbolic Logic*, 38, 536.

Reism calls for a geometry of solids.

1961a “Axiomatizability of geometry without points,” *The Model in Mathematics*, Dordrecht/Boston: Reidel, 104–111, and *Synthese*, 12, 228–235.

1961b “Aksjomatyczne badanie pojęcia przedłużenia czasowego” (Axiomatic treatment of the notion of temporal prolongment), *Studia Logica*, 11 (1961), 23–35. Polish and French with a Russian summary. There are differences between the Polish and French versions.

Check this.

This theory is based on mereology.

1964 “A note on the theory of propositional types,” *Fundamenta Mathematicae*, 54 (1964), 27–29. Reviewed by Peter Andrews, *Journal of Symbolic Logic*, 51, 502.

Shows how to reduce the number of primitive types in Henkin 1963.

Grzegorzycyk, Andrzej; Mostowski, Andrzej and Ryll-Nardzewski, C.

1958 “The classical and the ω -complete arithmetic,” *Journal of Symbolic Logic*, 23, 188–206. Reviewed *Journal of Symbolic Logic*, 27, 80.

In this second order arithmetic they have a “Leśniewski Schemata”:

$$(\exists \alpha^k)(x_1, \dots, x_n)[\alpha^k(x_1, \dots, x_n) = \pi],$$

which “is a form of definability corresponding to Leśniewski’s rule of ontological definability.”

Guarino, Nicola and Guizzardi, Giancarlo

2006 “In the defense of ontological foundations for conceptual modeling,” *Scandinavian Journal of Information Systems*, 18 (1), 115–126. ISSN 0905-0167, 2006. Debate Forum, in reply to the article entitled “On Ontological Foundations of Conceptual Modeling” by B. Wysusek.

Guarino, Nicola and Smith, Barry

2006 “Engineering ontologies: foundations and theories from philosophy and logical theory.” [Full text](#).

Gumański, Leon

1960 *Logika klasyczna a założenia egzystencjalne* (Classical logic and existential presuppositions), *Zeszyty Naukowe Uniwersytetu Mikołaja Kopernika w Toruniu, Filozofia*, 1, Z. 4.

This interesting and exhaustive study shows that the traditional logic cannot be *treated as a part of* Leśniewski’s elementary ontology, of the algebra of classes, of the theory of relations, or of the first-order functional calculus.

1965 *Jedynkowe systemy aksjomatyczne*, *Prace Wydziału filologiczno-filozoficznego*, 15, 1, Towarzystwo Naukowe w Toruniu, Torun, 75pp. Reviewed by Pavel Materna, *Journal of Symbolic Logic*, 31, 115–117.

Gurczyński, Jacek

2012 “On applying Leśniewski’s ontology to the analysis of fictional objects,” *ZESZYTY NAUKOWE POLITECHNIKI RZESZOWSKIEJ Nr 286 Ekonomia i Nauki Humanistyczne*, z. 19 (4/2012), 29–39.

Haack, Susan (Born 1945)

1974 “Mentioning expressions,” *Logique et Analyse*, 18 (1974), #67–68, 277–294.

Suggests that if propositional quantifiers are interpreted substitutionally and if quotations are treated as functions, then this “might provide some relief to the ontological difficulties which Quine [1934] finds in the interpretation of protothetic.” (p. 293)

1974b *Deviant Logic: Some Philosophical Issues*, London: Cambridge University Press, 1974.

1996 *Deviant Logic, Fuzzy Logic: Beyond the Formalism*, Chicago: University of Chicago Press, 1996.

Halldén, Sören (1923–2010)

1949 “An analogy in modal logic to the Leśniewski-Mihalescu Theorem,” *Norsk. Mat. Tidsskr.*, 31 (1949), 4–9. Reviewed by Hasenjaeger, *Z*, 40, 147, McKinsey, *Journal of Symbolic Logic*, 15,70, and by Curry, *MR*, 10, 585.

Halpern, Ignacy = Ignacy Izydor Myślicki (Myślicki-Halpern) (1874–1935)

1910 (Metaphysics: the history of its name, concept and currents), lecture at the Polish Psychological Society in Warsaw, 28 October 1910.

Leśniewski participated in the discussion. This is the first printed evidence of his scientific activity.

Hahmann, Torsten and Gruninger, Michael

2008 “Model-theoretic characterization of Asher and Vieu’s ontology of mereotopology,” *Proceedings, Eleventh International Conference on Principles of Knowledge Representation and Reasoning*, (2008), 263–273. [Full text](#).

Halpern, Ignacy = Ignacy Izydor Myślicki (Myślicki-Halpern) (1874–1935)

1910 (Metaphysics: the history of its name, concept and currents), lecture at the Polish Psychological Society in Warsaw, 28 October 1910.

Leśniewski participated in the discussion. This is the first printed evidence of his scientific activity.

1911 “Metafizyka, dzieje jej nazwy, pojęć, pradów,” (Metaphysics, history, names, and currents), *Ruch Filozoficzny*, 1 (1911), 13–14.

In this report of a lecture, there are several comments by Leśniewski.

Hamblin, Charles Leonard (1922–1985)

1973 “A felicitous fragment of the predicate calculus,” *Notre Dame Journal of Formal Logic*, 14 (1973), 433–447. https://projecteuclid.org/download/pdf_1/euclid.ndjfl/1093891098

There are some similarities with many-link functors here.

Harman, Gilbert (Born 1938)

1971 “Substitutional quantification and quotation,” *Noûs*, 5 (1971), 213–214.

Hausman, Alan and Echelbarger, Charles

1968 “Goodman’s nominalism,” pp. 113–124 in N. Rescher (editor), *Studies in Logical Theory*, (American Philosophical Quarterly Monograph Series 2).

They argue that no extension of Goodman’s nominalistic ontology is adequate.

Hausdorff, Felix (1868–1942)

1927 *Mengenlehre*, Leipzig: de Gruyter, 1927.

Leśniewski refers to this as the second edition, but this is not a second edition of Hausdorff’s more famous *Grundzüge der Mengenlehre* (1914).

Cited by Leśniewski 1927 as part of his criticism of the empty set. See Leśniewski 1992, p. 209–211.

Hellman, Geoffrey (Born 1943)

- 1969 “Finitude, infinitude, and isomorphism of interpretation in some nominalistic calculi,” *Noûs* 3 (1969), 413–425.

Helmer, Olaf (1910–2011)

- 1935 “On the theory of axiom-systems,” *Analysis*, 3 (1935), 1–11.
- 1936 “A few remarks on the syntax of axiom-systems,” *Actes du Congrès International de Philosophie Scientifique, VII, Logique*, 12–17. Reviewed by C. H. Langford, *Journal of Symbolic Logic*, 2, 84.
- These two papers treat the same subject as Sobociński 1955.

Hempel, Carl Gustav (1905–1997)

- 1953 “Reflections on Nelson Goodman’s *The Structure of Appearance*,” *The Philosophical Review*, 62 (1953), 108–116.

Hempoliński, H., editor

- 1987 *Polska filozofia analityczna. Analiza logiczna i semiotyczna w szkole lwowsko-warszawskiej*, Wrocław: Ossolineum.

Henkin, Leon (1921–2006)

- 1953a “Some notes on nominalism,” *Journal of Symbolic Logic*, 18 (1953), 19–29. Reviewed, in German, by P. Lorenzen, MR0055288 (14,1053a).
- 1953b “Banishing the rule of substitution for functional variables,” *Journal of Symbolic Logic*, 18 (1953), 201–208. Reviewed by Church, *Journal of Symbolic Logic*, 20, 179–180 and A. Heyting, MR0057819 (15,277h).
- 1955 “The nominalistic interpretation of mathematical language,” *Bulletin de la Société Mathématique de Belgique*, 7 (1955), 137–142. Reviewed by A. Robinson, MR0086024 (19,111e).
- 1962 “Nominalistic analysis of mathematical language,” pp. 187–193 in *Logic, Methodology and Philosophy of Science*, Stanford University Press.
- After a historical sketch of nominalism (which mentions Leśniewski, p. 187), he considers the following points (which are also considered by Goodman and Quine 1947): 1. Provide a description of the conditions under which mathematical sentences may be affirmed, without reference to abstract entities, 2. Eschew any assumption on the finitude or infinitude of physical objects.
- 1963 “A theory of propositional types,” *Fundamenta Mathematicae*, 52 (1963), 323–334. Errata, 53, 119. Reviewed by E. Engeler, MR0153532 (27 #3497).

A system very closely related to protothetic.

Henry, Desmond Paul (1921–2004)

[Henry was also a pioneer of computer art.](#)

- 1962 “An Anselmian regress,” *Notre Dame Journal of Formal Logic*, 3 (1962), 193–198. https://projecteuclid.org/download/pdf_1/euclid.ndjfl/1093957239 Reviewed by Luschei, *Journal of Symbolic Logic*, 36, 509–513.

Ontology, and in particular many-link functors, is used in the discussion.

- 1963 “Saint Anselm’s nonsense,” *Mind*, 72 (1963), 51–61. Reviewed by Luschei, *Journal of Symbolic Logic*, 36, 509–513.

- 1964a “Ockham, suppositio, and modern logic,” *Notre Dame Journal of Formal Logic*, 5 (1964), 290–292. https://projecteuclid.org/download/pdf_1/euclid.ndjfl/1093957976

Uses ontology to refute the constantly occurring complaint that modern logic cannot analyze certain theses or forms of expression which occur in medieval logic. The crucial difficulty is usually presented as “Ockham quantifies over terms whereas modern logicians quantify over variables (individuals).” Ontology can handle this.

- 1964b “Being, essence, and existence,” *Logique et Analyse*, 7 (1964), #27, 104–110.

- 1964c *The De Grammatico of St. Anselm. The Theory of Paronymy*, Publications in Mediaeval studies n° 18, Notre Dame: University of Notre Dame Press, xv + 169pp. Reviewed in *Foundations of Language*, 4, 78–79 and by Luschei, *Journal of Symbolic Logic*, 34, 312–313.

- 1965 “Ockham and the formal distinction,” *Franciscan Studies*, 25 (1965), 285–292.

- 1967 *The Logic of St. Anselm*, Oxford: Oxford University Press, 1967, vi + 258pp. Reviewed by Norman Kretamann, *Journal of Symbolic Logic*, 34, 312–313.

- 1969 “Leśniewski’s ontology and some medieval logicians,” *Notre Dame Journal of Formal Logic*, 10 (1969), 324–326. https://projecteuclid.org/download/pdf_1/euclid.ndjfl/1093893724

- 1972 *Medieval Logic and Metaphysics: A Modern Introduction*, London: Hutchison University Library, 1972. Reviewed by F. C. Copleston, *Bibl. Phil.*, 20, #242, 79–80, Ervin Nemesszeghy, *The Heythrop Journal*, 15, 196–198, Ivo Thomas, *Philosophical Quarterly*, 24, 71–72, and by M. J. Loux, *Mind*, 83, 607–608.

Have copy.

Contains an excellent introduction to ontology with examples of its applications for the elucidation of problems in medieval logic and metaphysics. Modifications of Henry 1964a and 1969 have become chapters in this book.

- 1974 *Commentary on “De Grammatico”: The Historical-Logical Dimensions of a Dialogue of St. Anselm’s*, Dordrecht / Boston: Reidel, 351 pp.

Ontology is used extensively to make arguments precise.

- 1975 “The singular syllogisms of Garlandus Compotista,” *Revue Internationale de Philosophie*, 29 (1975), 243–270.

Ontology is used here.

- 1982 “Medieval metaphysics and contemporary logical language,” *Topoi*, 1 (1982), 43–51.

1984 *That Most Subtle Question (Quaestio subtilissima): The Metaphysical Bearing of Medieval and Contemporary Linguistic Disputes*, Manchester, England: Manchester University Press, 1984. Pp. xviii + 337. Reviewed by Peter King, *The Philosophical Review*, 96 (1987), 149–152; [Full text of review](#).

1986 “Universals and particulars,” *History and Philosophy of Logic*, 7 (1986), 177–183.

Have copy.

1991 *Medieval Mereology*, Bochumer Studien zur Philosophie, Band 16. Amsterdam-Philadelphia: B. R. Grüner. 1991, xxv + 609pp. ISBN 90-6032-318-01. Reviewed by Woleński, *Studia Logica*, 54 (1995), 414–415. The review is on the web. Also reviewed by Francesco Ferrante, in Italian, in *Metalogicon*, 9 (1996), 91–92. This review is [on the web](#).

Have W re-
view.

Hilbert, David (1862–1943) and Bernays, Paul (1888–1977)

1939 *Grundlagen der Mathematik*, Berlin: Springer, 2 volumes.

Hitnikka, J.; Czarnecki, T., Kijania-Placek, K., Placek, T.; and Rojczak, A., editors.

2003 *Philosophy and Logic. In Search of the Polish Tradition. Essays in Honour of Jan Woleński on the Occasion of his 60th Birthday*, Dordrecht: Kluwer. Contains Sundholm 2003, Cited in Betti 2008, p. 70.

Hintikka, Jikko (1929–2015)

2003 *Philosophy and logic in search of the Polish tradition: essays in honour of Jan Wolenski on the occasion of his 60th birthday*, edited by Jaakko Hintikka ... [and others]. Dordrecht ; London : Springer, [2003].

Hintze, Henning

1995 “Merits of Leśniewski type nominalism,” *Logic and Logical Philosophy*, 3 (1995), 101–114. The First German-Polish Workshop on Logic & Logical Philosophy (Bachotek, 1995). [Full text](#). MR1405421 (97h:03006) 03A05.

This paper is devoted to the analysis of some aspects of Leśniewski’s nominalism. First, two traditions of nominalism are distinguished: the Aristotelian one and the phenomenistic one. Next, some merits of Leśniewski-type nominalism are discussed. The paper concludes with a discussion of some problems and their proposed solutions in the frameworks of Leśniewski-type nominalism and phenomenistic nominalism.

For the sake of explaining the merits of a Leśniewskitype nominalism, it should be made clear what is meant by “nominalism” and what the characteristics of this special type of nominalism are. To the first question we can find quite a lot of mutually inconsistent answers. Therefore I will just explain the distinction between two different nominalistic traditions which I hold to be fundamental. I think we should not just focus on the question which so-called abstract entities are rejected but as well look for basic entities nominalists rely on.

Hiż, Henry Thadeus (1917–2006)

TO DO: See if his nachlass contains any notes he took of Leśniewski’s courses.

- 1948 *An Economic Foundation for Arithmetic*. Ph.D. Dissertation, Harvard University, 1948, under the direction of Quine.
- 1952 “On Primitive Terms of Logic,” *Journal of Symbolic Logic* 17 (1952), 156–157.
This abstract extends Tarski’s doctoral thesis.
- 1957 “Types and environments,” *Philosophy of Science*, 24 (1957), 215–220.
- 1958 “A warning about translating axioms,” *The American Mathematical Monthly*, 65 (1958), 613–614. Reviewed by Maurice L’Abbé, *Journal of Symbolic Logic*, 24 (1959), 246. Have review.
When a complete set of axioms for the sentential calculus is translated into other primitives, completeness may be lost. Paul Halmos made this error. I wonder how early this potential error was noted.
- 1959 “O rzeczach” (On things), *Fragmentsy Filozoficzne*, 20 (1959), 15–24.
- 1960 “The intuitions of grammatical categories,” *Methodos*, 12 (1960), 311–319. Reviewed by G. H. Matthews, *Journal of Symbolic Logic*, 32, 115–116.
- 1961a “Steps Toward Grammatical Recognition,” *Advances in Documentation and Library Science*, vol. 3, part 2, *Information Retrieval and Machine Translation*, New York / London: Interscience Publishers, 811–822.
- 1961b “Congrammaticality, Batteries of Transformations and Grammatical Categories,” 43–50 in R. Jakobson (editor), *Structure of Language and its Mathematical Aspects*, Providence: American Mathematical Society.
Gives a definition of semantical categories based on substitutability in many (not ‘all’) sentences without loss of sentencehood.
- 1961c “Syntactic Completion Analysis,” *Transformations and Discourse Analysis Papers*, 21, University of Pennsylvania.
- 1964 “A Linearization of Chemical Graphs,” *Journal of Chemical Documentation*, 4 (1964), 173–180.
- 1965 “Ontological definitions in augmented protothetics,” *Journal of Symbolic Logic*, 31 (1965), 149–150. Abstract.
- 1967 “Grammar logicism,” *The Monist*, 41 (1967), 110–127. Reviewed by Alec Fisher, *Journal of Symbolic Logic*, 39, 180.
- 1968 “Computable and uncomputable of elements of syntax,” 239–254 *Logic, Methodology and Philosophy of Science III*, edited by B. von Rootselaar and J.-F. Staal, Amsterdam: North-Holland.
- 1969 “Kotarbiński on Truth,” *Studies in Polish Civilization; selected papers presented at the first congress of the Polish Institute of Arts & Sciences in America, November 25, 26, 27, 1966 in New York*, edited by Damian S. Wandycz, New York: Institute on East Central Europe, Columbia University, 1969. Get copy from NYConnect

- 1971a “On the abstractness of individuals,” 251–261 in *Identity and Individuation*, edited by M. K. Munitz, New York: New York University Press.
- 1973 “On assertions of existence,” 175–191 in *Logic and Ontology*, edited by M. K. Munitz, New York: New York University Press.
- 1976 “Descriptions In Russell and Leśniewski,” *XXIInd Conference on the History of Logic, 5-9 July 1976*, Krakow, 62–67.
- 1977 “Descriptions in Russell’s theory and in ontology,” *Studia Logica*, 36 (1977), 271–283. Have copy.
- 1984 “Frege, Leśniewski and information semantics on the resolution of antinomies,” *Synthese*, Vol. 60, No. 1, 51–72. *Foundations: Logic, Language, and Mathematics, Part I* (July, 1984), pp. 51–72. Have copy.
- 1986 “Richard M. Martin,” *Société Française de Philosophie, Bulletin*, 77 (3):271.
- 1992 “Remarks on Leśniewski,” notes of a lecture delivered to the Polish Semiotic Society in Warsaw, 22 May 1992.
Tarski and Leśniewski met every Thursday at Leśniewski’s house for a private discussion (Sobociński also related this to Rickey) [Feferman and Feferman 2004, pp. 395 (n. 44), 398 (n. 48)]. It would be interesting to obtain a copy of these notes and to transcribe and translate them.
- 1993 “Uwagi o Leśniewskim” (Some remarks on Lesniewski), *Ruch Filozoficzny*, 50(1), 1993, 60–64. [This is probably a published version of Hiz 1992.]
History of Philosophy H. Hiz & Wladyslaw Tatarkiewicz *Journal of Symbolic Logic* 16 (4):287 (1951)
Need to check this out.

Hodges, Wilfrid

- 2008 “Tarski’s theory of definitions,” pp. 94–132 in Patterson 2008.
This chapter collects and examines Tarski’s remarks on definition. Influences on Tarski from Lesniewski, Kotarbinski and others are discussed, and Tarski’s remarks on Padoa’s method are examined at length. A timeline for the development of Tarski’s definition of truth is suggested, and various strands in the development of model-theoretic techniques in Tarski’s work are presented.

Hodges, Wilfrid and Lewis, David

- 1968 “Finitude and infinitude in the atomic calculus of individuals,” *Noûs*, 2 (1968), 405–410. Reprinted in David Lewis, *Papers in Philosophical Logic*, Cambridge University Press 1998, pp. 180-185, and in *Philosophy of Nelson Goodman*, vol. 1, ed. Catherine Elgin, Garland Publishing 2000.
There is no sentence in Goodman’s calculus of individuals which says there are finitely or infinitely many individuals.

Horwich, Paul

1975 “A formalization of “nothing”,” *Notre Dame Journal of Formal Logic*, 15 (1975), 363–368. https://projecteuclid.org/download/pdf_1/euclid.ndjfl/1093891796

This is a discussion of Henry 1967. He objects that some of Henry’s statements in ontology “do not capture exactly Anselm’s statements.” After presenting reasons for this view, alternate formulations are suggested.

1997 “Implicit definition, analytic truth and apriori knowledge,” *Noûs*, 31, (1997), 423–440.

Should this be included?

Hovda, Paul

2008 Presents the latest state of the art on the axiomatization of mereology.

2009 “What is classical mereology?”, *Journal of Philosophical Logic*, 38, 55–82. [A draft of the paper.](#)

Have copy.

2013 “Tensed mereology,” *Journal of Philosophical Logic*, 42 (2):241–283.

2016 Parthood-Like Relations: Closure Principles and Connections to Some Axioms of Classical Mereology. *Philosophical Perspectives*, 30 (1):183–197.

2017 “Varieties of Parthood,” *In Philosophical Logic: Current Trends in Asia*.

Hughes, Christopher

2001 “Identity and counterparthood,” pp. 23–54 in *Méréologie et modalités. Aspects critiques et développements*, Université de Neuchâtel: Travaux de logique 14.

Hugly, Philip

1975 “Quine’s way out,” *Analysis*, 36 (1975), 28–37.

Hugly, Philip and Sayward, C.

1976 “Prior on propositional identity,” *Analysis*, 36 (1976), 182–183.

Huntington, Edward Vermilye (1874-1952)

1905 “Note on the definitions of abstract groups and fields by sets of independent postulates,” *Transactions of the American Mathematical Society*, 6 (1905), 181–197. Errata *TAMS*, 7 (1906), 59. [JSTOR](#).

Have copy.

Cited by Leśniewski.

Husserl, Edmund (1859–1938)

1891 *Philosophie der Arithmetik*, Halle: C. E. M. Pfeffer (Robert Stricker).

1900 *Logische Untersuchungen*, Halle: Max Niemeyer. (Trad. angl. de la 2e éd. par J.N. Findlay, Logical Investigations, Humanities Press [1970], 2 vols).

Rewrite Les-Bib92

Indrzejczak, Andrzej

- 1998 “Jaśkowski and Gentzen approaches to natural deduction and related systems,” pp. 253–264 in Kijania-Placek and Woleński 1998.

Have volume.

The problem of describing formally how mathematicians informally state proofs, was posed by Łukasiewicz in his seminar in 1926. Jaśkowski presented his first results on natural deduction in 1927 at the First Polish Mathematical Congress in Lvov. However natural deduction procedures were “applied in the twenties by Leśniewski, Tarski [and], Salamucha, as is evident from their papers.”

Ingarden Roman (1893–1970)

- 1948 “The scientific activity of Kazimierz Twardowski,, *Studia Philosophica*, 3, (1948), 17–30.

%

Iséki, Kiyoshi

- 1966a “On axiom systems of the propositional calculus, XV,” *Proceedings of the Japan Academy*, 42 (1966), 217–220. MR0195705 (33 #3903).

Have MR.

Shows that the equivalential calculus can be based on Epp , $EEpqEqp$ and $EEpqEEqrEpr$. It is amazing that this very intuitive axiom system was not discovered earlier.

- 1966b “Algebraic formulations of propositional calculi with variable forming functors,” *Proceedings of the Japan Academy*, 42 (1966), 1058–1059.

- 1968a *Kigō ronrigaku (meidai ronri)* (Symbolic Logic (Propositional Logic)), Vol. I. Tokyo: Maki Shoten, 1968, 303 pp. Reviewed by Nakamura, *Journal of Symbolic Logic*, 35, 580–581.

Have copy.

Chapter 4 contains a discussion of protothetic (244–274), ontology (275–290), and mereology (290–297).

Have review.

- 1968b “General theory of mappings,” *Proceedings of the Japan Academy*, 44 (1968), 663–666.

“Some of his [Büchi, “Die Boole’sche Partialordnung und die Paarung vol Gefügen,” *Portugalia Mathematica*, 7, 119–180] results are true for both the set theories in the senses of G. Cantor and S. Leśniewski.” This paper deals with the Cantor type.

- 1974 “Remarks on axioms of magnitudes,” *Math. Sem. Notes Kobe Univ.*, 2 (3), paper number 33, 7pp.

Iséki, Kiyoshi; Setp. Yasuo; and Tanaka, Shotaro

- 1993 “On axiom systems of equivalential calculus,” *Mathematica Japonica*, 38 (1993), 1, 1–5.

Have copy.

Ishimoto, Arata

- 1976 “A propositional fragment of Leśniewski’s Ontology and related systems I,” abstract in the *Proceedings of the XXIIInd Conference on the History of Logic, 5–9 July 1976*, Krakow, 12–15. He distributed a 12 page ms.

Shows that a certain fragment of ontology is complete with respect to the interpretation proposed by Prior 1965.

1977 “A propositional fragment of Leśniewski’s ontology,” *Studia Logica*, 36 (1977), 285–299.

1982 “A Lesniewskian version of Montague grammar,” pp. 139–144 in *COLING 82*, edited by J. Horecký, North-Holland Publishing Company, 1992 [Full text](#). This was presented to a meeting of the Association for Symbolic Logic, Wellington, New Zealand, 2–5 July 1981. [Abstract](#) in the *Journal of Symbolic Logic*, 48 (1983), 521–522.

Have copy.

1997 “Logicism revisited in the propositional fragment of Leśniewski’s ontology,” pp. 219–232 in *Philosophy of Mathematics Today*. Edited by Evandro Agazzi and György Darvas. Dordrecht: Kluwer 1997.

???? “The completeness of a propositional fragment of Leśniewski’s ontology and its relevance to logical grammar.” Typescript.

[Full text](#).

???? “Logical Grammar — Logical and Ontological Observation”

Ishimoto, Arata and Kobayashi, M.

1982 “A propositional fragment of Leśniewski’s ontology and its formulation by the tableau method,” *Studia Logica*, 41 (1982), 181–195.

Ishimoto, Arata and Sagal, P. T.

???? “Interpreting Lesniewski’s Ontology — a Propositional Fragment of Lesniewski’s Ontology and Related Systems.”

Iwanuś, Bogusław (Died in 1995, age 54)

1969a “Remarks about syllogistic with negative terms,” *Studia Logica*, 24 (1969), 131–141. With Polish and Russian summaries.

1969b “An extension of the traditional logic containing the elementary ontology and the algebra of classes,” *Studia Logica*, 25 (1969), 97–139. With Polish and Russian summaries. Reviewed by Canty, *Z*, 261, 02009.

1973a “On Leśniewski’s elementary ontology,” *Studia Logica*, 31 (1973), 73–119. There are Polish and Russian summaries on pp. 120–125. Reviewed by John T. Canty, MR0373841 (51 #10041) and *Z*, 275, 02019. Reprinted in Srzednicki, Rickey & Czelakowski 1984, pp. 165–215.

For his system of elementary ontology the author shows that the addition of two additional axioms makes definitions non-creative.

Have C review

Have copy.

1973b “Proof of decidability of the traditional calculus of names,” *Studia Logica*, 32 (1973), 131–147. With Polish and Russian summaries.

Jacquette, Dale

2006 “Bochenski on property identity and the refutation of universals,” *Journal of Philosophical Logic*, 35 (2006), 293–316.

Have copy.

“An argument against multiply instantiable universals is considered in neglected essays by Stanisław Leśniewski and I.M. Bochenski. Bochenski further applies Leśniewski’s refutation of universals by maintaining that identity principles for individuals must be different than property identity principles. Leśniewski’s argument is formalized for purposes of exact criticism, and shown to involve both a hidden vicious circularity in the form of impredicative definitions and explicit self-defeating consequences. Syntactical restrictions on Leibnizian indiscernibility of identicals are recommended to forestall Leśniewski’s paradox.”

Jadacki, Jacek J.

- 1993 “Pozycja Stanisława Leśniewskiego w Szkole Lwowsko-Warszawskiej” (The Role of Leśniewski in the Lviv-Warsaw School), *Ruch Filozoficzny*, 50(3), 1993, 311–316.
- 1994 “Warsaw: The rise and decline of modern scientific philosophy in the capital city of Poland,” *Axiomathes* 2–3 (1994), 225–241.
- 2006 “The Lvov-Warsaw school and its influence on Polish philosophy in the second half of the 20th century,” pp. 41–83 in Jadacki and Pańniczek 2006.
- 2015 *Pisma zebrane* (Collected Works). Two volumes.
- 2016 *Stanisław Leśniewski: geniusz logiki*, Epigram, Warsaw. <http://epigram.eu/stanislaw-lesniewski-geniusz-logiki-jacek-jadacki/>
- Reviewed by Ryszard Miszczyński, “Stanisław Leśniewski — człowiek, uczony. Uwagi na marginesie książki Jacka Jadackiego “Stanisław Leśniewski. Geniusz logiki” ” (Stanisław Leśniewski — a man, a scholar. Remarks on the margin of Jacek Jadacki’s book “Stanisław Leśniewski. Genius of Logic”), *Filozofia Nauki*, Tom 26 Nr 1 (2018). Abstract: The book presents the scholar and his work from the point of view of the people who knew him. They describe both his views and his personality. It is worth noting that not all the accounts are favorable. In the last chapter, Jadacki presents his own survey of Leśniewski’s achievements.

Jadacki, Jacek J. and Pańniczek, J, editors

- 2006 *The Lvov-Warsaw School: The New Generation*, Poznan Studies in the Philosophy of the Sciences and Humanities, vol. 89. Rodopi NY. Contains Betti 2006, Jadacki 2006, Kearns 2006.

Janicki, Ryszard

- 2005 “Basic mereology with equivalence relations,” *Lecture Notes in Computer Science*, volume 3618 (Mathematical Foundations of Computer Science), 507–519. [Abstract](#).
- 2007 “Towards a pragmatic mereology,” *Fundamenta Informaticae*, 75 (2007).
A version of mereology with applications to model software structures.

Jardine, Charles J. and Jardine, Nicholas

- 1971 “The matching of parts of things,” *Studia Logica*, 27 (1971), 123–132. With Polish and Russian summaries. Reviewed by E. Koppelman, *Z*, 264, 02013.

Jaśkowski, Stanisław (1906–1965)

1934 “On the rules of supposition in formal logic,” *Studia Logica*, 1 (1934), 5–32. Reprinted, with considerable changes in notation, in McCall 1967, 232–258.

This famous paper which initiates work on natural deduction techniques, is obviously inspired by Leśniewski’s informal proof technique.

1948a “Une modification des définitions fondamentales de la géométrie des corps de M. A. Tarski,” *Annales de la Société Polonaise de Mathématique*, 21 (1948), 298–301. Reviewed by Blumenthal, *MR*, 11, 123, and by K. Schröter and G. Asser, *Z*, 40, 368.

1948b “Sur certains axiomes de la géométrie élémentaire,” *Annales de la Société Polonaise de Mathématique*, 21 (1948), 349–350. Abstract only.

1949a “Geometria brył” (Geometry of solids), *Matematyka: Czasopismo dla nauczycieli*, 1 (3) (1949), 1–7.

Sphere is the primitive term.

1949b “Quelques problèmes actuels concernant les fondements des mathématiques,” *Casopis pro Pěstování Matematiky a fyziky*, 74 (1949), 74–78. There is a Polish summary.

1950 “Sur les axiomes de la géométrie des corps,” *Dodatek do Rocznika Polskiego Towarzystwa Matematycznego* 22 (1950), 86–87. Abstract: VI Zjazd Matematyków Polskich, Warszawa 20–23, IX, 1948.

Joray, Pierre

1999 “Domaine de quantification et catégories syntaxico-sémantiques,” pp. 43–62 in D. Miéville (editor), *Rôle et enjeux de la notion de catégorie en logique*, Université de Neuchâtel: Travaux de logique 13.

2001 *La subordination logique. Une étude du nom complexe dans l’Ontologie de Leśniewski* (The Logical Subordination. A Study of the Complex Noun in S. Leśniewski’s Ontology), Berne: P. Lang, xi + 283 pp. A review by Michele Malatesta, in Italian, which is in *Metalogicon*, 15 (2002), 54–46, is [on line](#).

2002 “De la théorie des catégories sémantiques de Leśniewski à l’analyse de la quantification dans la syntaxe d’Ajdukiewicz,” *Langages*, No. 148, Les grammaires catégorielles (DÉCEMBRE 2002), pp. 28–50 Joint work with Béatrice Godart-Wendling. Published by: Armand Colin Stable URL: <http://www.jstor.org/stable/41683757>

2003 “Logicism in Leśniewski’s Ontology,” *Logica Trianguli* (Łódź, Nantes, Santiago de Compostella) 6, 3–20. MR1989989 (2004e:03012).

Summary: “The paper presents a logicist construction of Peano’s arithmetic based on the framework of S. Leśniewski’s extensional calculus of names (ontology). The construction is shown to have three main advantages compared to *Principia mathematica*’s classical solution. First, cardinality is defined without the use of classes or sets (even as convenient symbols). Second, the dependence of Peano’s axioms vis-à-vis the only nonlogical assumption (axiom of infinity) is clarified. Finally, the use of Leśniewski’s definition rules shows that there is no

need for an ad hoc reduction process of impredicative functions to predicative ones (axiom of reducibility).”

- 2003 “A definition of finite cardinals in Leśniewski’s ontology,” presentation at the Wrocław University [VIII Conference Applications of Logic in Philosophy and the Foundations of Mathematics](#), Karpacz, 6-10 May 2003.
- 2004 “A note on definitions in propositional calculi.” In Béziau J.-Y., Costa-Leite A. & Facchini A. (editors), *Aspects of Universal Logic. Travaux de logique*, 17, 170–182.
- 2005 “Should definitions be internal?,” *The Logica Yearbook 2004* (Prague, 2005), pp. 189–199. The [entire volume](#) is on line. Have copy.
- 2005 “What is wrong with creative definitions?,” *Acta Universitatis Wratislaviensis (= Logica*, Univ. de Wrocław), vol. 23 (2005), no. 2754, pp. 39–49. [on line](#). ISBN 83-229-2650-2.
- 1999 “Domaine de quantification et catégories syntaxico-sémantiques,” in: D. Miéville (éd.), *Rôle et enjeux de la notion de catégorie en logique*, Université de Neuchâtel: Travaux de logique 13, 43–62.
- 2001 *La subordination logique. Une étude du nom complexe dans l’Ontologie de S. Lesniewski*, Berne: P. Lang.
- 2006 Łukasiewicz 1928a “La définition dans les systèmes logiques de Łukasiewicz, Leśniewski et Tarski,” pp. 203–222 in Pouivet & Rebuschi 2006. This contains French translations of [Łukasiewicz1928a](#) and [1928b](#). [Google books](#). Have copy.
- 2015 “[Teaching Leśniewski’s Protothetic \[sic\] with a Natural Deduction System](#).” Paper presented at the Fourth International Conference on *Tools for Teaching Logic* (TTL2015), Rennes, France, June 9–12, 2015, [arXiv.org](#), 2015.

Author’s Abstract: Protothetic is one of the most stimulating systems for propositional logic. Including quantifiers and an inference rule for definitions, it is a very interesting mean for the study of many questions of metalogic. Unfortunately, it only exists in an axiomatic version, far too complicated and unusual to be easily understood by nowadays students in logic. In this paper, we present a system which is a natural deduction (in Fitch-Jaśkowski’s style) version of protothetic. According to us, this system is adequate for teaching Leśniewski’s logic to students accustomed to natural deduction.

Joray, P. and Godart-Wendling, B

- 2002 “From the theory of semantic categories of Lesniewski to the analysis of quantification in the syntax of Ajdukiewicz,” *Langages*, No. 148, *Les grammaires catégorielles* (Dec. 2002), pp. 28–50.

Jordan, Zbigniew A. (1911–1977 or 1998)

- 1945 *The Development of Mathematical Logic and of Logical Positivism in Poland between the Two Wars, Polish Science and Learning*, No. 6, Oxford University Press, 47 pp. Reviewed by O. Taussky, *The Mathematical Gazette*, Vol. 30, No. 288 (February 1946), pp. 53–54, Andrzej Mostowski, *Journal of Symbolic Logic*, 11 (1946), 94–95 and by E. N., *The Journal* Have Taussky review.

of *Philosophy*, 43 (1946), 560.

The first six (of ten) sections and the relevant parts of the bibliography are reprinted in McCall 1967, 346–406.

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view

1963a “Logical determinism,” *Notre Dame Journal of Formal Logic*, 4 (1963), 1–38.

1963b “O logicznym determinizmie,” *Studia Logica*, 14 (1963), 59–98. This is slightly different than 1963a

1963c *Philosophy and Ideology: The Development of Philosophy and Marxism-Leninism in Poland since the Second World War*, Dordrecht/Boston: Reidel.

A comprehensive history of the Warsaw school. The influence of Twardowski is clearly seen here. Contains a good bibliography.

1967 “The development of mathematical logic in Poland between the two wars,” 346–397 in McCall 1967, 346–406. A partial reprint of his 1945.

Jurcic, Joseph

1987 “On defining sentential connectives,” *Notre Dame Journal of Formal Logic*, 28 (1987), 189–199.

[Full text.](#)

Kalinowski, Georges = Jerzy Kalinowski (1916–2000)

1973 “La logique de Leśniewski et la théologie de Saint Anselme,” *Archives de Philosophie*, 36 (1973), 407–416. Offprint in Sobociński Nachlass.

1977 “La grammaire pure et les catégories sémantiques,” *Archives de Philosophie*, 40 (1977), 467–475.

1989 *Sur les fondements de la mathématique: fragments (discussions préalables, méréologie, ontologie)*, Stanislaw Lesniewski; trad. du polonais par G. Kalinowski; préf. de D. Miéville, Paris: Hermès. I think this should be listed under Lesniewski with Kalinowski as translator.

1995 “Les démonstrations de la non-existence des objets généraux chez Lesniewski,” pp. 121–146 in [Miéville and Vernant 1995](#).

1989 *Sur les fondements de la mathématique: fragments (Discussions, préalable, méréologie, ontologie)*. Translated of parts of Leśniewski 1927, 1929b and 1930a from the Polish by Kalinowski; preface by Miéville, Paris: Hermès, 1989, 148pp.

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with page
numbers.
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Kalinowski, Georgs and Adoración Sánchez García

1981 “Teorema entrevista a Georges Kalinowski,” *Revista Internacional de Filosofía* Vol. 11, No. 4 (1981), pp. 315–333. [JSTOR](#)

Kalman, J. A.

1978 “A shortest single axiom for the classical equivalential calculus,” *Notre Dame Journal of Formal Logic*, 19 (1978), 141–144. [Full text](#). Reviewed by H.-D. Ebbinghaus, MR090996 (58 #10282).

Lukasiewicz 1939 found 3 shortest single axioms for the equivalential calculus, and Meredith (Meredith and Prior 1963) found 7 more, with proofs for some of these being given by Peterson 1976. Kalman has found one more: *EpEEqErpErq*. The computer program which found the proof is discussed.

Have review by E.

Kaminski, Stanisław

1977 “The development of logic and philosophy of science in Poland after the Second World War,” *Zeitschrift für allgemeine Wissenschaftentheorie*, 8 (1977), 163–171. [Abstract](#).

Kaplan, David (Born 1933) [Wikipedia](#)

1970 “Nominalistic set theory,” *Noûs*, 4 (1970), 225–240.

Kapulkin, Krzysztof

2004 “Systemy logiczne a świat” (Logical Systems and the world).

<http://www.racjonalista.pl/kk.php/s,3561>

Kearns, John T.

A list of his [publications](#) is on the web.

1962 *Lesniewski, Language, and Logic*, Ph.D. dissertation, Yale University, under the direction of Alan Ross Anderson, 1962, 163pp.

1966 “Quantifiers and universal validity,” *Logique et Analyse* 9 (1966), #35–36, 298–309.

1967 “The contributions of Leśniewski,” *Notre Dame Journal of Formal Logic*, 8 (1967), 61–93. Based on 1962.

“a brief, sympathetic, and relatively complete account of Leśniewski’s work.” (p. 61). The comments at the end about ‘structure’ are misdirected. He, and many others, tries to make cardinality a mereological notion, while it is really an ontological one.

1968a “A universally valid system of predicate calculus with no existential presuppositions,” *Logique et Analyse*, 11 (1968), #43, 367–389. Reviewed by da Costa, *MR*, 39 #2609.

A system of predicate logic in the spirit of Leśniewski.

1968b “The logical concept of existence,” *Notre Dame Journal of Formal Logic*, 9 (1968), 313–324. *MR*, 39, 2596.

1969 “Two views of variables,” *Notre Dame Journal of Formal Logic*, 10 (1969), 163–180.

A reply to Lejewski 1954b.

1970 “Substance and time,” *The Journal of Philosophy*, 67 (1970), 277–289.

Many-link functors are used in this criticism of an argument of G. Bergman which purports to show that a substance ontology is untenable.

1979 “A little more like English,” *Logique et Analyse*, 22 (1979), #87, 353–368.

Presents a formal system wherein quantified general terms can significantly be used in the same places as proper names. He claims this system is more like English than ontology is. There are reasons to believe that deep structure is closer to the surface than had previously been thought.

1989 “Leśniewski’s strategy and modal logic,” *Notre Dame Journal of Formal Logic*, 30 (1989), 291–307.

Have copy.

2006 “An elementary system of ontology,” pp. 87–112 in Jadacki 2006. This is a revision of Technical Report 96-2 (with the same title), Center for Cognitive Science, State University of New York at Buffalo, 1996.

Kelley, John L. (1916–1999)

1955 *General Topology*, New York: D. VanNostrand.

On page 251 of the appendix on Morse set theory there is the following footnote: “Actually, an axiom scheme for definitions is also assumed without explicit statement. That is, statements of a certain form, which in particular involve one new constant and are either an equivalence or an identity, are accepted as definitions and are treated in precisely the same way as theorems. The axiom scheme of definition is in the fortunate position of being justifiable in the sense that, if the definitions conform with the prescribed rules, then on new contradictions and no real enrichment of the theory results. These results are due to S. Leśniewski [sic].”

Kelley is, of course, wrong about the non-creativity of definitions. Unfortunately this belief persists in the literature.

Kielkopf, Charles F.

1976 “Interpretations of the quantifiers in versions of Leśniewski’s ontology,” p. 16 in *XIIInd Conference on the History of Logic, 5-9 July 1976, Krakow*. Abstract of a lecture.

1977 “Quantifiers in ontology,” *Studia Logica*, 36 (1977), 301–307.

Kijania-Placek, Katarzyna, and Woleński, Jan, editors

1988 *The Lvov-Warsaw School and Contemporary Philosophy*, Synthese Library, volume 273. Dordrecht: Kluwer, 1988. ISBN 987-0-7923-5105-3. Contains Marsonet 1988, Waragai 1988 and others yet to be included. Reviewed by Jerzy Perzanowski, *Studia Logica*, 68 (2001), 389–401.

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Have review by P.

Kleene, Stephen Cole (1909–1994)

1977 *Introduction to Metamathematics*, New York: Van Nostrand.

Kleinschmidt, Shieva, editor

2014 *Mereology and Location*, Oxford University Press.

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8. TRANSHYPERTIME IDENTITY, Hud Hudson
9. PARTS OF PROPOSITIONS, Cody Gilmore
10. MEREOLGICAL SUMS AND SINGULAR TERMS, Kathrin Koslicki

Klibansky, Raymond, (editor) (1905–2005)

1968 *Contemporary Philosophy, a Survey, Vol. I: Logic and Foundations of Mathematics*, Firenze: La Nuova Italia.

Kneale, William (1905–1990) and Kneale, Martha

1962 *The Development of Logic*, Oxford: Clarendon Press.

Kobayashi, Mitsunori and Ishimoto, Arata

1981 “A propositional fragment of Leśniewski’s ontology and its formulation by the tableau method,” *Studia Logica*, 41 (1981), 181–195. This paper was presented at a meeting of the Association for Symbolic Logic, Wellington, New Zealand, 2–5 July 1981. [Abstract](#) in the *Journal of Symbolic Logic*, 48 (1983), 522. Have copy.

Kohl, Ryan

2000 “Leśniewski’s protothetic,” a lecture given April 18, 2000 at the Penn State Logic Seminar. [Abstract](#). Focuses on the use of creative definitions in protothetic.

Kokoszyńska, Maria

1968 “Kazimierz Ajdukiewicz,” pp. 202–208 in Klibansky 1968.
Contains a portrait of Ajdukiewicz and a list of eleven articles about him, all but two of which appeared after his death in 1963.

Komorowski, Jan; Polkowski, Lech T.; and Skowron, Andraej

1997 “Towards a Rough Mereology-Based Logic for Approximate Solution: Synthesis. Part 1,” *Studia Logica*, 58 (1997), 143–184.

Korcik, Antoni

1954 “Zdania egzystencjalne u Arystotelesa” (Existential propositions in Aristotle), *Polonia Sacra* (Kraków), 6, 46–50. Reviewed *Journal of Symbolic Logic*, 20, 172.

This paper mentions Leśniewski’s views on existential propositions.

Kortlandt, Frederik Herman Henri

1972 *Modelling the Phoneme: New Trends in East European Phonemic Theory*, The Hague/Paris: Mouton.

The fifth chapter is devoted to the exposition and critical analysis of Batóg’s axiomatic system of phonology. It gives an account of some mereological concepts.

Koslicki, Kathrin

2007 “Towards a neo-Aristotelian mereology,” *Dialectica*, 61 (2007), 127–159. Full text.

20?? “Mereological Sums and Singular Terms,” Forthcoming in a volume on location and mereology, edited by Shieva Kleinschmidt, to appear with Oxford University Press, Oxford, UK. [Draft of the text.](#)

20?? “Structure,” forthcoming in: *Handbook of Mereology*, edited by Hans Burkhardt, Johanna Seibt and Guido Imaguire, Philosophia Verlag, München, Germany.

Kotarbinska, Janina (1901–1997)

1961 “On ostensive definition,” *Atti del XII Congresso Intern. di Filosofia*, V, 287–293.

Kotarbiński, Tadeusz (1886–1981)

Ph.D. University of Lwów 1912, under the direction of Kazimierz Twardowski, with a dissertation entitled *Etyka Utylitaryzmu*.

1913 “Zagadnienie istnienia przyszłości,” (The problem of existence of the future), *Przegląd Filozoficzny*, 16 (1913), no. 1, pp. 74–92. Also in *Nowe Tory*, No. X.

Cited by Leśniewski 1992, pp. 86 and 197. Unpublished partial English translation by Rose Rand in Sobociński’s Nachlass.

1921 “Sprawa istnienia przedmiotów idealnych” (The question of existence of ideal objects), *Przegląd Filozoficzny*, 24. Reprinted in 1957a, vol. 2, 7–39.

1923 “Prawdziwość i fałszywość definicyj” (Truth and falsity of definitions), *Przegląd Filozoficzny*, 27 (1923), 263–264. Photostat in Leśniewski 1967.

This summary of a discussion contains some remarks by Leśniewski.

1929 *Elementy teorii poznania, logiki formalnej i metodologii nauk* (Elements of the Theory of Knowledge, Formal Logic, and the Methodology of Science), viii + 483 pp, Lwów, 1929. Reprinted 1947. Second edition, revised, Wrocław, 1961. 1966b is an English translation.

1933 “Grundlinien und Tendenzen der Philosophie in Polen,” *Slavische Rundschau*, 5 (1933), 219–229.

- 1935 “Zasadnicze myśli pansomatyzmu” (The fundamental ideas of pansomatism), *Przegląd Filozoficzny*, 38 (1935), 283–294. 1955 is an English translation.
- 1948 “Sur l’attitude réiste (ou concrétiste),” *Synthese*, 7 (1948), 262–273.
- 1949 “O postawie reistycznej” (On the foundations of reism), *Mysl Wspolczesna*, 4 (1949), no. 10, 3–11.
- 1955 “The fundamental ideas of pansomatism,” *Mind*, 64 (1955), 488–500. English translation of 1935a by A. Tarski and D. Rynin.
- 1956a *Sprawność i błąd. Z myślą o dobrej robocie nauczyciela*, (Cleverness and errors), Warszawa: Państwowe Zakłady Wydawnictw Szkolnych, 102 pp.
In the chapter “Nauczyciele sztuki nauczania” (Teachers of the art of teaching), Kotarbinński characterizes Leśniewski as a teacher.
- 1956b “La logique en Pologne (1945–1955),” *Les Etudes Philosophiques*, n.s. 11 (1956), 234–241.
- 1957a *Wybor pism* (Selected Works), Warsaw, vol. I, 733 pp., vol. II (1958), 936 pp.
Contains, among others, his 1921.
- 1957b “La philosophie dans la Pologne contemporaine,” *Synthese*, 12 (1957), 29–38.
- 1957c *Wykłady z dziejów logiki* (Outlines of the History of Logic), *Societas Scientiarum Lodziensis*, no. 28, Łódź, 1957, 244 pp. 1964 is a French translation. Reviewed by Rose Rand, *Journal of Symbolic Logic*, 25 (1960), 62–63; [JSTOR](#).
“Contains personal recollections of Leśniewski’s unpublished treatments of certain topics in semantics, together with brief informal accounts of his theories.” [Luschei 1962, p. 320] Have Rand re-view.
- 1958a “La Logique en Pologne (1945–1955). Les Études Philosophiques,” *Philosophy in the Mid-Century*, Florence 1958, II, 234–241.
- 1958b “Fazy rozwojowe konkretyzmu,” *Studia Filozoficzne*, 4 (1958), 3–13. Reprinted in the second edition of Kotarbinński 1929.
- 1959 *La logique en Pologne. Son originalité et les influences étrangères*, Rome: Angelo Signorelli Editore. Academia Polacca di Scienze e Lettere, Biblioteca di Roma, Conferenze, Fascicole 7, 24 pp. Reviewed by Tadeusz Czeżowski, *Journal of Symbolic Logic*, 25, 259.
- 1964 *Leçons sur l’histoire de la logique*, Paris: PUF. French translation of his 1957c.
- 1966a “Sur l’attitude réiste ou concrétiste le langage,” *Actes du 13^e Congrès des Sociétés de Philosophie de Langue Française*, Neuchâtel, I, 100–102.
- 1966b *Gnosiology. The Scientific Approach to the Theory of Knowledge*, London: Pergamon, 1966, iii + 548. English translation of 1929 (or a later edition????).
Pp. 190–211 provide an introduction to ontology.
- 1966c “Garstka wspomnień o Stanisławie Leśniewskim,” (A handful of memories of Stanisław Leśniewski), *Ruch Filozoficzny*, 24 (1966), no. 3–4, 155–163. His 1976 is an English translation. To do: Put on line.

1967 “Notes on the development of formal logic in Poland in the years 1900-39,” pp. 1–14 in McCall 1967.

1976 Stanislaw Lesniewski: A Handful or Memories. Distributed at the Lesniewski Conference in Krakow. English translation of 1966c.

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Kowalski, James G.

1975 *Leśniewski's Ontology Extended with the Axiom of Choice*, Ph.D. dissertation under Sobociński at Notre Dame. Published as 1977.

1977 “Leśniewski's ontology extended with the axiom of choice,” *Notre Dame Journal of Formal Logic*, 18 (1977), 1–78. Autorreferrat, *Z*, 321, 02015. [Full text](#).

Shows, in ontology, that the Axiom of Choice, Zorn's Lemma, and the Well Ordering Principle are equivalent. In a type theory like ontology, the Axiom of Choice cannot be added as a single sentence, but it must be added for each type. A rule of procedure for doing this is provided.

Krajewski, Stanisław and Woleński, Jan

2007 “Andrzej Grzegorzcyk: logic and philosophy,” *Fundamenta Informaticae*, 81 (2007), 1–17. [Citation](#).

Kraszewski, Zdzisław and Suszko, Roman

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1966 “O klasach normalnych i nienormalnych na terenie języka potocznego (Z badań nad pojęciem klasy I)” (Normal and non-normal classes in natural language — Investigations into the concept of class I), *Studia Logica*, 19 (1966), 127–146. With English and Russian summaries. *MR*, 38 #2004.

1968 Klasy normalne i nienormalne a teoriomnogosciowe i mereologiczne pojecie klasy (Z badan nad pojeciem klasy II) (Classes normales et non normales par rapport aux concepts ensembliste et méréologique de classe n Recherches sur le concept de classe II), *Studia Logica*, 22, 85–97.

Kripke, Saul (Born 1940)

1976 “Is there a problem about substitutional quantification?,” pp. 325–419 in Mc Dowell (editor), *Truth and Meaning*, Oxford: Clarendon Press.

Krokiewicz, Adam (1890–1977)

1948 “O logice stoikow” (On Stoic logic), *Kwartalnik Filozoficzny*, 17 (1948), 173–197.

Kruszewski, Z.

1925 “Ontologia bez aksjomatów,” *Przegląd Filozoficzny*, 28 (1925), 136. Abstract of a lecture delivered at the Warsaw Institute of Philosophy, December 20, 1924. Kruszewski 1984 is an English translation.

1984 “Ontology without axioms.” English translation of Kruszewski 1925 by Ewa Jansen published in Srzednicki, Rickey & Czelakowski 1984, pp. 9–10.

Krzyzanowski, Juliusz

1939 “Symbolika ontologiczna czy algebra logiki,” *Przegląd Klasyczny*, 5 (1939), 85–89.

Kubiński, Tadeusz (1923–1991)

1958 “Nazwy nieostre” (Vague terms), *Studia Logica*, 7 (1958), 115–179. Reviewed by Lejewski *Journal of Symbolic Logic*, 24 (1959), 270–271.

1959 “Systemy pozornie sprzeczne” (Quasi-inconsistent systems), *Zeszyty Naukowe Uniwersytetu Wrocławskiego, Seria B, Matematyki, Fizyki i Astronomii*, 53–61.

1960 “An attempt to bring logic nearer to colloquial language,” *Studia Logica*, 10 (1960), 61–75.

19xx “An extension of the theory of syntactic categories,” *Acta Universitatis Wratislaviensis*, 12, 19–36.

1964 “Cudzyslow i prawda,” *Ruch Filozoficzny*, 23 (1964), 70–72.

1965 “Two kinds of quotation mark expressions in formalized languages,” *Studia Logica*, 17 (1965), 31–51.

1966 “Przegląd niektórych zagadnień logiki pytan,” *Studia Logica*, 18 (1966), 105–137.

1968 “Uwagi o modelach systemu mereologii Lesniewskiego” (Remarks on systems of Lesniewski’s mereology,” *Ruch Filozoficzny*, 26 (1968), 336–338.

1969 “Pewna teoriomnogościowa własność ontologii” (Some model theoretic properties of ontology), *Ruch Filozoficzny*, 27 (1969).

1970 “Pewne klasy relacji między pytaniami,” *Ruch Filozoficzny*, 28 (1970).

1971a “Teoria identyczności i ontologia elementarna,” (The theory of identity in elementary ontology), *Acta Universitatis Wratislaviensis*, 139, *Prace Filozoficzne*, 8 (1971), 3–8.

1971b “Trzy elementarne rachunki nazw,” *Acta Universitatis Wratislaviensis*, 139, *Prace Filozoficzne*, 8 (1971), 9–24.

1971c “A report on investigations concerning mereology,” *Acta Universitatis Wratislaviensis*, 139, *Prace Filozoficzne*, 8 (1971), 48–69.

1971d “O pseudodefinicjach aksjomatycznych stalej “jest” w teoriach elementarnych,” *Ruch Filozoficzny*, 29 (1971), 263–269.

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Kubinski, Tadeusz and Zabski, Eugeniusz

1971 “Proby aksjomatycznego ujęcia pojęcia nieodróżnialności empirycznej,” *Ruch Filozoficzny*, 29 (1971), 270–274.

Kuhn, Steven T.

1980 “Quantifiers as modal operators,” *Studia Logica*, 39 (1980), 145–148.

Kulicki, Piotr

2011 “Aksjomatyczne systemy rachunku nazw,” (Axiomatic Systems of Calculus of Names), *Redakcja Wydawnictw KUL*, Lublin, 2011.

2012 “An Axiomatisation of a Pure Calculus of Names,” *Studia Logica* October 2012, Volume 100, Issue 5, pp. 921–946. MR2983125 03B05 (03B20).

A calculus of names is a logical theory describing relations between names. By a pure calculus of names we mean a quantifier-free formulation of such a theory, based on classical propositional calculus. An axiomatisation of a pure calculus of names is presented and its completeness is discussed. It is shown that the axiomatisation is complete in three different ways: with respect to a set theoretical model, with respect to Leśniewski’s Ontology and in a sense defined with the use of axiomatic rejection. The independence of axioms is proved. A decision procedure based on syntactic transformations and models defined in the domain of only two members is defined.

2013 “On minimal models for pure calculi of names,” *Logic and Logical Philosophy*, 22 (4),

By pure calculus of names we mean a quantifier-free theory, based on the classical propositional calculus, which defines predicates known from Aristotle’s syllogistic and Leśniewski’s Ontology. For a large fragment of the theory decision procedures, defined by a combination of simple syntactic operations and models in two-membered domains, can be used. We compare the system which employs ‘ ε ’ as the only specific term with the system enriched with functors of Syllogistic. In the former, we do not need an empty name in the model, so we are able to construct a 3-valued matrix, while for the latter, for which an empty name is necessary, the respective matrices are 4-valued.

2003 “Bezkwantyfikatorowe ujęcie ontologii Leśniewskiego,” presentation at the Wrocław University VIII Conference Applications of Logic in Philosophy and the Foundations of Mathematics, Karpacz, 6-10 May 2003.

Küng, Guido (Born October 5, 1933)

1963 *Ontologie und Logistische Analyse der Sprache: Eine Untersuchung zur zeitgenössischen Universalien-discussion*, Vienna: Springer Verlag, 1963. His 1967 is a revised English translation.

1964 “Concrete and abstract properties,” *Notre Dame Journal of Formal Logic*, 5 (1964), 31–36.

1967 *Ontology and the Logistic Analysis of Language*, Syntheses Library, D. Reidel, Dordrecht, 1967. Revised English translation of 1963.

1972 “Noema und Gegenstand,” in: R. Haller (Hg.), *Jenseits von Sein und Nichtsein*, Beiträge zur Meinongforschung, Graz: Akademische Drucks und Verlagsanstalt, 55-62.

1974 “Prologue-functors,” *Journal of Philosophical Logic*, 3 (1974), 241–254. [First page](#).

1976 “The meaning of the quantifiers in the logic of Leśniewski,” *XXIIInd Conference on the History of Logic*, 5-9 July 1976, Krakow, p. 15.

- 1977 “The meaning of quantifiers in the logic of Leśniewski,” *Studia Logica*, 36 (1977), 309–322.
- 1977a “Nominalistische Logik heute,” *Allgemeine Zeitschrift für Philosophie*, 2 (1977), no. 1, 29–52.
- 1978 “Funktory prologowe i kwantifikatory u Stanisława Leśniewskiego,” *Studia Semiotyczne*, 8 (1978), 200–210.
- 1980 “Nominalismus/Platonismus,” in: J. Speck (Hgs), *Handbuch wissenschaftstheoretischer Begriffe*, Göttingen: Vandenhoeck and Ruprecht.
- 1981a “Abélard et les vues actuelles sur la question des universaux,” in F. Brunner (editor), *Abélard: le “Dialogue,” la philosophie de la logique*. (Actes du colloque de Neuchâtel, 16-17 novembre 1979). Genève/Lausanne: Cahiers de la Revue de Théologie et de Philosophie 6, 99–118. 1981d is an English translation.
- 1981b “Abélard et les vues actuelles sur la question des universaux,” *Cahiers de la Revue de théologie et philosophie*, no. 6 (1981), 99–113.
- 1981c “Leśniewski’s systems,” pp. 168-177 in the *Dictionary of Logic as applied in the Study of Language; Concepts, Methods and Theories*, edited by W. Marciszewski, Nijhoff International Philodophy Series, The Hague, 1981.
- 1981d “Abailard and present-day view on the problem of universal,” *Studies in Logic, Grammar and Rhetoric II*, Warsaw University, English translation of 1981a.
- 1981e “O aktualnej sytuacji logiki nominalistycznej,” *Roczniki Filozoficzne*, 29 (1981), part I, 87–107.
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- 1983 “The difficulty with the well-formedness of ontological statements,” *Topoi*, 2 (1983), 111–119. English translation of his 1982.
- 1984 “Gehört die Logik zur Ontologie oder zur Mathematik?,” *Freiburger Zeitschrift für Philosophie und Theologie*, 31.1.
- 1985 “La logique est-elle un discipline des mathématiques ou fait-elle partie de l’ontologie?” *Dialectica*, 39 (1985), 243–258. MR828978 (87d:03012). There is also a German edition of this paper.

Logic is about X’s if and only if its laws or propositions either name or quantify over X’s. Logic has been variously held to be about (1) mathematical objects, (2) objects in general, (3) linguistic expressions, or (4) meanings. It would then belong to (1) mathematics, (2) ontology, (3) linguistics, or (4) semantics. The author argues that the names in classical logic name at most things, and so support none of the above views. He distinguishes three interpretations of the quantifiers: (a) referential, (b) substitutional, and (c) Leśniewskian.

If we allow higher-order quantification, then (a) commits us to (1) or (2), (b) to (3) and (c) to (4). The author accepts (c) and (4). Are extensional meanings (extensions) nevertheless mathematical objects (sets)? The author avoids this conclusion by subtly distinguishing sets from extensions considered as ways of signifying things. The passage from semantics to mathematics occurs when extensions are reified as sets. The limpid discussion concludes with a summary account of Leśniewski's formal systems.

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- 1999 “Les types en mathématique et en linguistique,” pp. 147–158 in D. Miéville (editor), *Rôle et enjeux de la notion de catégorie en logique*, Université de Neuchâtel: Travaux de logique 13, 147–158. His name is given here as “Jim Lambek,” the name that he uses colloquially.

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- 1967 “Free logic and the concept of existence,” *Notre Dame Journal of Formal Logic*, 8 (1967), 133–144. [Full text](#).
- 1969 *The Logical Way of Doing Things*, New Haven / London: Yale University Press, 1969.
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- 1967 “A translation theorem for two systems of free logic,” *Logique et Analyse*, 10, #39-40, 328–341.

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Reviewed by Kris McDaniel, [Notre Dame Physical Reviews](#), and by Alessio Persichetti, [Phenomenological Reviews](#).

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- 1973 *Truth, Syntax and Modality*, Amsterdam: North-Holland.
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- 1995 “Une descendance des systèmes de Leśniewski. Le calcul de Lambek (de la grammaire logique aux grammaires de logiques des types),” pp. 207–236 in [Miéville and Vernant 1995](#).

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- 1958d Reviews of W. T. Parry’s *A New Symbolism for the Propositional Calculus* and G.B. Standley’s *Ideographic Computation in the Propositional Calculus*, *JSL* 23, 63.
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- 1960b “Studies in the axiomatic foundations of boolean algebra I, II, III,” *Notre Dame Journal of Formal Logic*, 1, 23–47 and 91–106, and 2, 79–93.
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- 1967b “The problems of ontological commitment,” *Fragmety Filozoficzne*, (Third Series), 147–164.
- 1967c “A single axiom for the mereological notion of proper part,” *Notre Dame Journal of Formal Logic*, 8 (1967), 279–285. [\[Full text.\]](#)
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- 1983a “A note on Leśniewski’s axiom system for the mereological notion of ingredient or element,” *Topoi*, 2 (1), June 1983, 63–71. [Citation.](#)
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- Formulates Terminological Explanations for the rules of substitution, detachment and definition for the implicational calculus, a system which he discussed in Lejewski 1958. The real novelty here is that he presents examples showing the independence of the conjuncts in the TEs. It was Leśniewski’s policy to show by example that every clause of a definition was necessary, but lack of space prevented him from doing so in print; an exception is with the definition of class in Chapter IV of “O podstawach matematyki” [Leśniewski 1983, p. 25].
- 1989 *Ricordando Stanislaw Lesniewski*, Trento: Centro Studi per la Filosofia Mitteleuropes.
- 1990 “Stanisław Leśniewski (1886–1939),” [in Polish] *Wiadomości Matematyczne*, 28 (1990), 153–182.
- Describes the life and work of Leśniewski and evaluates the impact his novel system has since exercised. The details are concerned with Leśniewski’s biography; characterization of his three theories; Leśniewski’s views on various particular subjects such as the meaning and role of formalization, definition and notational system in science formation; intended interpretation of quantifiers; and Leśniewski’s type of nominalism. The paper is intertwined with a number of reminiscences. MR1072109 by Surma.
- 1992 “Wspomnienie o S. Lesniewskim,” [Remembering S. Leśniewski], pp. 61–89 in *Fragmenty Filozoficzne ofiarowane Henrykowi Hizowi* [Philosophical Fragments Dedicated to Henry Hiz], Warsaw: Polskie Towarzystwo Semiotyczne [Polish Semiotic Society], 1992.
- 1996 “Remembering Stanisław Leśniewski,” pp. 25–66 in Miéville & Vernant 1996.
- 1993a “[Autobiografia](#),” *Filozofia Nauki*, 1/1, 9–10.
- 1993b “[Bibliografia](#),” *Filozofia Nauki* 1/1, 11–14.
- A list of 62 publications by Lejewski from 1953 to 1992.
- 1993b “[Logika, ontologia i metafizyka](#),” *Filozofia Nauki*, 1/1, 15–35. Translated by Anna Lissowska. Lejewski has written reviews of Sobociński 1954,

Lenzen, Wolfgang

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- 1967 *Principles of Reasoning: An Introduction to Logic, Methodology, and the Theory of Signs*, New York: Dover, revised edition.

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2000 “Partial monotonic protothetics,” *Studia Logica*, 66 (2000), 147–163. JSTOR. [BibTeX](#). [Abstract](#).

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2008 “Are definitions trivial: Russell, Poincaré, and Leśniewski,” a talk given at the University of Latvia, 28 August 2008. No abstract is available.

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This paper is composed of two independent parts. The first is concerned with Russell’s early philosophy of mathematics and his quarrel with Poincaré about the nature of their opposition. I argue that the main divergence between the two philosophers was about the nature of definitions. In the second part, I briefly present Leśniewski’s Ontology and suggest that Leśniewski’s original treatment of definitions in the foundations of mathematics is the natural solution to the problem that divided Russell and Poincaré.

20xx *Les systèmes logiques de Leśniewski: une perspective contemporaine*. Subvention ordinaire de recherche CRSH 2009-2012, (45 000 \$).

Leśniewski, Stanisław (1886–1939)

1911a “Przyczynek do analizy zdań egzystencjalnych,” *Przegląd Filozoficzny*, 14 (1911), 329–345. English translation as “A contribution to the analysis of existential propositions,” in his *Collected Works* (1992), 1–19.

Leśniewski cites Cornelius 1834, Mill 1872, Husserl 1901, Twardowski 1894, Petrażycki 1905, Brentano 1874, and mentions Spencer.

1911b [Review of Maurycy Straszewski’s “W dażeniu do syntezy” (Toward a synthesis)], *Mysł Niepodległa*, no. 175, July 1911, pp. 909–910. Known from Betti 2001, p. 403.

- 1911c [Lecture on “The Problem of Existence in the Light of Grammatical Norms”], at the Polish Psychological Society in Warsaw. Mentioned by [Betti n.d.](#) on the Polish Philosophy Page of Coniglione.
- 1911d [Lecture on “The Problems of Contradictory Objects and the Theory of Language”] delivered October 23, 1911 at the Polish Psychological Society in Warsaw. Mentioned by [Betti n.d.](#)
- 1912 “Próba dowodu ontologicznej zasady sprzeczności,” *Przegląd Filozoficzny*, 15 (1912), 202–226. English translation as “An attempt at a proof of the ontological principle of contradiction,” in his *Collected Works*, 20–46. [Betti n.d.](#) notes that he finished this paper in Paris. It became his doctoral dissertation.
- Leśniewski cites Łukasiewicz 1910b, Marty 1908, Mill 1884, as well as his 1911.
- 1912a [On the principles of the logical middle], a paper read to the Philosophical Society of Lwów in “last year’s summer term.” Cited in Leśniewski 1913c, p. 47 in Leśniewski 1992.
- 1913a *Logičeskia razsuždenia* (in Russian), St. Petersburg, 87 pp.
- These is no English translation of this in Leśniewski’s *Collected Works* (1992) or elsewhere.
- 1913b “Czy prawda jest tylko wieczna czy też wieczna i odwieczna?” *Nowe Tory* 18 (1913). English translation: 1963.
- This is a response to Kotarbiński 1913. An unpublished partial German translation, “Ist die Wahrheit nur ewig oder ist sie ewig und seit ewig?,” by Rose Rand is in Sobociński’s Nachlass.
- 1913c “Krytyka logicznej zasady wyłączonego środka,” *Przegląd Filozoficzny*, 16 (1913), 315–352. English translation as “The critique of the logical principle of the excluded middle,” in his *Collected Works*, 47–85.
- This paper was finished in March 1913 when Leśniewski was in San Remo, in North-West Italy.
- When citing this paper, Leśniewski always follow Leśniewski’s tradition and give the title as above, even though it contains a typographical error: It should be “środua”.
- 1913d “The problem of existence in the light of grammatical norms,” talk given to the Polish Psychological Society. Noted in *The American Journal of Psychology*, 24 (1913), 444.
- 1913e “Contradictory views on the theory of language (speech),” talk given to the Polish Psychological Society. Noted in *The American Journal of Psychology*, 24 (1913), 444.
- 1913f [Review of Władysław Biegański’s *Traktat o poznaniu i prawdzie* (Treatise on Knowledge and Truth), *Wychowanie w domu i w szkole*, VI, vol. II, 1913, 139–142. Known from Betti 2001, p. 403.
- 1914a “Czy klasa klas, nie podporzadkowanych sobie, jest podporzadkowana sobie?,” *Przegląd Filozoficzny*, 17 (1914), 63–75.
- 1914b “Teoria mnogości na ‘podstawach filozoficznych Benedykta Bornsteina’,” (The theory of sets based on Benedykt Bornstein’s ‘Philosophical Foundations’), *Przegląd Filozoficzny*, 17 (1914), 488–507.
- This work has never been re-published or translated.

Need original title and better reference

Have copy.

Have copy.

- 1916 *Podstawy ogólnej teorii mnogości. I, Prace Polskiego Koła Naukowego w Moskwie*, Sekcja matematyczno-przyrodnicza, no. 2, 42p., Moscow. English translation as “Foundations of the general theory of sets, I,” in his *Collected Works*, 129–173.

This is Leśniewski’s first presentation of Mereology, which is done in ordinary language. It would be a good student project to formalize these proofs.

The paper was finished in April 1916 in Moscow, where Leśniewski spent WWI. He cites no literature, but he does quote Kotarbiński 1914 in an opening quotation, thanks Sierpiński and Kotarbiński for their help while he was preparing the paper, and notes that Lucyan Zarzecki suggested the term ‘ingredient.’ A noteworthy feature of this paper is that Leśniewski gives examples to show that the different conjuncts of his definitions are independent. He did not do this in later papers, e.g., when stating his Terminological Explanations, because of lack of space.

- 1921a “On the principles of Ontology,” on January 10, 1921, a talk to the Polish Association of Psychology.

- 1921b “O stopniach funkcji gramatycznych” (On comparisons of the grammatical functions), a talk given March 10, 1921 to the Logic Section of the Warsaw Philosophical Institute, *Przegląd Filozoficzny*, 24 (1921), 248. This is only a listing of the title. Mentioned, Leśniewski, *Works*, p. 370.

Mentioned in Leśniewski, It is unclear why this lecture is reported in *Przegląd Filozoficzny* after that of 1921a.

Sinisi 1983a, p. 54, says that he “discussed questions of Ontology.”

- 1927 “[On the foundations of ontology], a talk given in September, 1927 to the Logic Section of the Second Polish Philosophical Congress (Księga Pamiątkowa Drugiego Polskiego Zjazdu Filozoficznego, Warszawa 1927), *Przegląd Filozoficzny*, 31 (1928), No. 1–2, p. 160.

Mentioned, Leśniewski, *Works*, p. 370.

Sinisi 1983a, p. 54, notes this presentation.

- 1927 “O podstawach matematyki,” *Przegląd Filozoficzny*, 30 (1927), 164–206; 31, 261–291; 32, 60–101; 33, 77–105 et 142–170; and 34 (1931), 141–170.

The University of Warsaw Library has [digitalized](#) an offprint of Sections VI–IX of this paper. Thus one can easily compare the original with the English translation.

TO DO: Add dates and chapters.

- 1929a “Über Funktionen, deren Felder Gruppen mit Rücksicht auf diese Funktionen sind,” *Fundamenta Mathematicae* 13 (1929), 319–332. [Full text](#).

Leśniewski cites Bocher 1905, Huntington 1905, Weber 1893, as well as Whitehead and Russell 1925.

- 1929b “Grundzüge eines neuen Systems der Grundlagen der Mathematik,” *Fundamenta Mathematicae*, 14 (1929), 1–81. Reviewed by Thoralf Skolem, *Jahrbuch über die Fortschritte der Mathematik*, 55 (1929), 626–627. [Full text](#).

This is the single most important paper dealing with protothetic.

One result in this paper is the axiomatization of the equivalential calculus. This has generated an immense amount of work, especially the search for single axioms. For up to date information, see Dolph Ulrich's [Sentential Calculi Pages](#).

- 1929c “Über Funktionen, deren Felder Abelsche Gruppen in bezug auf diese Funktionen sind,” *Fundamenta Mathematicae*, 14 (1929), 242–251. [Full text](#).
Leśniewski cites Huntington 1905, Hurwitz 1913, Weber 1893, and his own 1929a.
- 1930a “Über die Grundlagen der Ontologie,” *Comptes rendus des séances de la Société des Sciences et des Lettres de Varsovie*, Classe III, 23 (1930), 111–132.
- 1930b “Über Definitionen in der sogenannten Theorie der Deduktion,” *Comptes rendus des séances de la Société des Sciences et des Lettres de Varsovie*, Classe III, 23 (1930), 289–309.
- 1938a “Einleitende Bemerkungen zur Fortsetzung meiner Mitteilung u. d. T. “Grundzüge eines neuen Systems der Grundlagen der Mathematik”,” *Collectanea Logica*, 1 (1938), 1–60.
- 1938b “Grundzüge eines neuen Systems der Grundlagen der Mathematik, §12,” *Collectanea Logica*, 1 (1938), 61–144. 1967b is an English translation.
- 1963 “Is truth only eternal or both eternal and sempiternal,” *Polish Review* 8 (1963), 23–43. English translation of 1913b.
- 1967a *Stanisław Leśniewski: Collected Papers*. Canty has collected Leśniewski's papers, with the exception of 1913a, 1913b, 1916, which could not then be located, and the bound photostats have been deposited in the University of Notre Dame Library. BC 135 L637, vi + 297 pages.
- 1967b “Introductory remarks to the continuation of my article: Grundzüge eines neuen Systems der Grundlagen der Mathematik,” pp. 116–169 in McCall 1967. English translation of 1938a.
- 1967c “On definitions in the so-called theory of deduction,” pp. 170–187 in McCall 1967. English translation of 1930b.
- 1968 “Is truth eternal or eternal and since eternity,” *Polish Review*, 8 (1968), no. 3, 23–43. English translation of 1913b.
- 1980 Japanese Translation of O Podstawach Matematyki, Rozdział XI, *The Philosophy of Science*, 89–102.
- 1983a “Lesniewski sobre la concepcion de los “eventos”,” *Theorema*, 83–89.
- 1983b “On the foundations of mathematics, Ch. I–X,” *Topoi*, 2 (1983), 7–52.
This is Sinisi's translation of "O podstawach matematyki," which is complete, but with some exceptions: (1) After the first ten Theorems in Chapter IV, the proofs are omitted, (2) A long footnote about Whitehead's theory of events is omitted as it is translated in Sinisi 1966, and (3) all of Chapter XI on ontology has been omitted as it is summarized and discussed in Sinisi 1983a [this information is from footnote 1 of Sinisi 1983].

1983c *On the foundations of mathematics*. (Spanish) Translated by Dora Sánchez from the partial French translation by Georges Kalinowski of the Polish original. *Teorema*, 13 (1983), no. 1-2, 21-91. The Polish original of this classic appeared in four installments [*Przegląd Filozoficzny*, 30 (1927), 164–206; *ibid.* 31 (1928), 261–291; *ibid.* 32 (1929), 60–101; *ibid.* 34 (1931), 142–170]. MR753982.

1988 *S. Leśniewski's Lecture Notes in Logic*, Dordrecht: Kluwer, edited by Jan T. J. Srzednicki and Zbigniew Stachniak, 1988. xii + 183pp. ISBN: 978-90-247-3416-9. Reviewed by Canty, MR1029279 (90m:03002) and by Woleński, *Studia Logica*, 49 (1990), 428-429.

Have reviews
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1989 "Sur les fondements de la mathématique. Fragments (Discussions préalables, méréologie, ontologie)," Translated by G. Kalinowski, Paris: Hermès.

1992 *S. Leśniewski, Collected Works*, Volumes I (xvi + 382pp) and II (pp. 382-794). Edited by S. J. Surma, J. T. Srzednicki, D. I. Barnett, and V. Frederick Rickey, Dordrecht: PWN-Polish Scientific and Kluwer, 1992, ISBN 978-0-7923-1512-4. Reviewed by Jan Woleński, *Modern Logic*, 8 (2000–2001), 194–201; the review is on line.

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 An annotated Lesniewski Bibliography [up to 1978] by V. Frederick Rickey 711
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See also Łukasiewicz et al., 1938.

- 1994 "Próba dowodu ontologicznej zasady sprzeczności," *Filozofia Nauki*, 2 (1994), 117–147
- 1998 *Leśniewski's Systems. Protothetic*, edited by Jan T. J. Srzednicki and Zbigniew Stachniak, Dordrecht: Kluwer Academic Publishers, xiv + 310. ISBN 0-7923-4504-5. Carefully reviewed by Betti, *Studia Logica*, 68 (2001), 401–404. Have copy. Have B review
- 1999 "Listy do Kazimierza Twardowskiego" (Letters [from Leśniewski] to Kazimierz Twardowski,), *Filozofia Nauki*, 7(1-2), 115–133. Need to incorporate info from the review. Have copy.
- Twenty letters from Leśniewski to Twardowski.
- 1994a "Przyczynek do analizy zdań egzystencjalnych," *Filozofia Nauki*, 2 (1994), 1, 117–134. Critical edition of the paper of Leśniewski 1911 by Jacek J. Jadacki, taking into consideration its Russian translation (1913a) made by the author himself (with some important modifications).
- 1994b "Próba dowodu ontologicznej zasady sprzeczności," *Filozofia Nauki*, 2 (1994), 2, 117-147 [Need to verify page numbers]. Critical edition of the paper of Leśniewski 1912 by Jacek J. Jadacki, taking into consideration also its Russian version (1913a) prepared by the author himself with some important modifications. Leśniewski's Russian was as perfect as his Polish.
- 1994c "Głos w dyskusji wokół Genezy logiki trójwartościowej" Jana Łukasiewicza, *Filozofia Nauki*, 2 (1994), 3-4, 235-237. My critical edition of a short paper delivered in 1938, Warsaw.
- 1998a "O podstawach filozoficznych teorii mnogości," *Filozofia Nauki*, 6 (1998), 2, 123-139. My critical edition of the paper (1914b).
- 1998b "Podstawy ogólnej teorii mnogości. I," *Filozofia Nauki*, , 6 (1998), 3-4, 173-208. My critical edition of the paper (1916) with a historical introduction.

- 2000 “Krytyka logicznej zasady wy?zczonego ?rodka,” *Filozofia Nauki*, 8 (2000), 1, 137-169. My critical edition of the paper (1913c).
- 2000 “Czy prawda jest tylko wieczna czy te? i wieczna i odwieczna?,” *Filozofia Nauki*, 8 (2000), 2, 135-156. My critical edition of the paper (1913b).
- 2001 “O definicjach w tak zwanej teorii dedukcji,” *Filozofia Nauki*, 9 (2001), 3, 165-179. Polish translation of the paper (1930b) made by Józef Stuchliński.
- xxxx *Stanisław Leśniewski: Pisma zebrane*, edited by Jacek Jadacki, 2 volumes, 468 + 408 = 876pp. The cover has a picture of Leśniewski that I do not recognize. There may be things here that have not been translated.

Leśniewski’s Courses and Seminars

1919–1920 Exercises on the foundations of mathematics.

See McFarland, McFarland, and Smith (2014), p. 7. Tarski attended during his second year at the University of Warsaw (during the first year he studied biology).

1919–1920 Foundations of the theory of classes.

See Leśniewski’s *Collected Works* (1992), pp. 365. Influenced by Chwistek, Leśniewski began to use symbolic language, instead of natural language, in his lectures. This was his first year of lectures at the University of Warsaw.

Summer 1919–1920 Exercises in the Domain of Cantorian Theory of Sets.

See Leśniewski’s *Collected Works* (1992), pp. 367. Not listed in Leśniewski1988. It is not clear whether the summer semester was in 1919 or 1920. **** SEE MMS ***

Autumn 1920

1930–1931 On the foundations of the ‘theory of deduction’.

See Leśniewski’s *Collected Works* (1992), pp. 628. Leśniewski 1930b is a summary of these lectures. If these dates are correct, he probably wrote this paper before giving the course.

1933-1934 Introduction to Mathematical Logic.

See Leśniewski’s *Collected Works* (1992), pp. 693.

1934–1935 Foundations of the Propositional Calculus.

See Leśniewski’s *Collected Works* (1992), pp. 693–694.

Lewis, David (1941–2001)

1970 “Nominalistic set theory,” *Noûs*, 4 (1970), 225–240.

1972 “General semantics,” pp. 169–218 in *Semantics of Natural Language*, edited by D. Davidson and G. Harman, Dordrecht / Boston: Reidel.

1991 *Parts of Classes*, Oxford: Blackwell, 1991.

Libardi, Massimo

1990 “Teorie delle parti e dell’interno. Mereologie estensionali,” *Quaderni*, II (1990), 1–3.

1993 “Note critiche sulla recente pubblicazione delle ‘Collected Works’”, *Axiomathes*, 1993, pp. 105–129.

Lindenbaum, Adolf (1904–1941)

1931 “Bemerkung zu den vorhergehenden ‘Bemerkungen ...’ des Herrn J. v. Neumann,” *Fundamenta Mathematicae*, 17 (1931), 335–336.

1936 “Sur la simplicité formelle des notions,” *Actes du Congrès International de Philosophie Scientifique, VII Logique*, Paris: Hermann, 29–38.

Discusses the concept of the weakest primitive term for a system. Mentioned by Sobociński 1955, p. 9.

Lindenbaum, Adolf and Tarski, Alfred

1926 “Kommunikat o badaniach z zakresu teorii mnogości; Communication sur les recherches de la théorie des ensembles,” (Communication on research in the domain of the theory of sets), *Comptes rendus de séances de la Société des Sciences et des lettres de Varsovie, Classe III*, 19 (1926), p. 299–330. Presented by W. Sierpiński.

Before Leśniewski coined the word “Protothetic” he used the word “logistic”. This paper is cited in Leśniewski 1927 and 1929, which are translated into English in Leśniewski 1992, pp. 176 and 415.

Sinisi 1983, p. 55, reports that this has one of the early references to Leśniewski’s ontology.

Articles in this journal typically have both Polish and French titles.

Linsky, Leonard (1922–2012)

1972 “Two concepts of quantification,” *Noûs*, 6 (1972), 224–239. JSTOR.

Have copy.

Linsky, Leonard and Schumm, George

1971 Frege’s Way out: A Footnote, *Analysis* 32, 5–7.

Lippert, Bernhard Matthaus

1976 *Rekonstruktionen zur Lesniewski’schen Logik*, Zulassungsarbeit zum Staatsexamen, Konstanz.

Lode, Tenny

1952 “The Realization of an Universal Decision Element,” *The Journal of Computing Systems*, 1 (1952), 14–22.

Reviewed by Nelson M. Blachman and William W. Boone, *Journal of Symbolic Logic*, Vol. 18, No. 3 (Sep., 1953), pp. 283–284

López-Escobar, E. G. K. and Miraglia, Francisco

- 1999 “From definitions to logistics to connectives,” a presentation at the XI Latin American Symposium on Mathematical Logic, Mérida, Venezuela, July 6–10, 1998. Abstract published in the *The Bulletin of Symbolic Logic*, 5 (1999), no. 4, p.
- 2002 *Definitions: the Primitive Concept of Logics or The Leśniewski-Tarski Legacy*, *Dissertationes Mathematicae (Rozprawy matematyczne)*, no. 401. [Table of Contents](#).
- 2007 “The logic of classes,” *Logic Journal of IGPL*, 2007 15(5–6), 689–706. Citation.
- 2008 “Logic and mathematics: A propositional calculus with just three primitive concepts,” 2pp. [Full text](#).

Find on line source. I lost it.

Łoremtz, Kuno

- 1976 “Some Remarks on the Relation between the Dichotomy of Part and Whole with the Dichotomy of Property and Object,” XXIIInd Conference on the History of logic, 5-9 July 1976, Krakow, 17.
- 1977 “On the Relation between the Partition of a whole into Parts and the Attribution of Properties to an Object,” *Studia Logica*, 36, 351–362.

Łukasiewicz, Dariusz

- 2009 “Polish metaphysics and the Brentanian tradition,” pp. 19–31 in Lapointe et al. 2009.

Łukasiewicz, Jan (1878–1956)

- 1910a “Über den Satz des Widerspruchs bei Aristoteles,” *Bulletin International de l’Académie des Sciences de Cracovie, Classe de philologie, Classe d’histoire et de philosophie*, 15–38. 1971 is an English translation. There is a German reedition: *Über den Satz des Widerspruchs bei Aristoteles (Zur modernen Deutung der aristotelischen Logik)*, and also a French translation: *Du principe de contradiction chez Aristote*, but no further details are available.
- 1910b *O zasadzie sprzeczności u Arystotelesa. Studium krytyczne*, (On the Principle of Contradiction in Aristotle. A Critical Study), Krakow: Akademia Umiejętności.
- 1921a “Logika dwuwartościowa,” *Przegląd Filozoficzny*, 23 (1921), 189–205. 1970b is an English translation.
- 1921 “O ontologii prof. Leśniewskiego,” (On Prof. Leśniewski’s ontology), a talk given March 24, 1921 to the Logic Section of the Warsaw Philosophical Institute. Was an abstract published? Mentioned by Sinisi 1983a, p. 55.
- 1925 “O pewnym sposobie pojmowania teorii dedukcji” (On a certain way of understanding the theory of deduction), *Przegląd Filozoficzny*, 28 (1924), 134–136. This is a report of a presentation given on 8 December 1924 at the Logic Section of the Warsaw Philosophical Institute. See *Alfred Tarski. Early Work in Poland — Geometry and Teaching* by Andrew McFarland, Joanna McFarland and James T. Smith, pp. 340–341 for a discussion of this talk.

- 1928a “O definicyach w theorii dedukcyi” (On definitions in the theory of deduction), *Ruch Filozoficzny*, 11 (1928–29), 177–178. 2006a is a French translation. There is an English translation in the book about Tarski just mentioned, pp. 346–349.
- This summary by Łukasiewicz of a lecture he gave to the Logic Section of the Polish Philosophical Society on February 18, 1928, contains the first (known) mention of creative definitions in the literature. Mention is made of several definitions which are creative in certain systems, but no details are given in this summary. At this lecture Leśniewski affirmed his belief in creative definitions and stated that creative definitions should be used as often as possible.
- 1928b “Rola definicji w systemach dedukcyjnych,” [The role of definitions in deductive systems], *Ruch Filozoficzny*, 11 (1928–29), 164. 2006b is a French translation. Polish transcription and English translation in Urbaniak and Hämaäri 2010, p. 32.
- At his lecture of March 24, 1928, Łukasiewicz mentions creative definitions and refers to them as “hidden axioms.” [It is unclear why this lecture, which was given after 1928a, is reported earlier in the volume.]
- 1929 *Elementy logiki matematycznej*, (Elements of Mathematical Logic), Wydawnictwo Koła Matematyczno-Fizycznego Słuchaczy Uniwersytetu Warszawskiego, vol. 18 (1929), Lithographed, Warsaw, 1929, viii + 200pp.
- Cited by Leśniewski in his 1930b.
- Sinisi 1983, p. 55, reports that this has one of the early references to Leśniewski’s ontology.
- 1929a “O znaczeniu i potrzebach logiki matematycznej,” [The meaning and requirements of mathematical logic], *Nauka Polska*, 10 (1929), 604–620.
- Cited by Leśniewski in his 1930b. Sinisi 1983, p. 55, reports that this has one of the early references to Leśniewski’s ontology.
- 1939 “Der Äquivalenzenkalkül,” *Collectanea Logica*, I (1939), 145–169. Polish translation in Łukasiewicz 1961. English translation in McCall and Łukasiewicz 1970, pp. 250–277.
- An off-print of this paper was sent to Heinrich Scholz in Münster for review. It is the only copy of the paper known to have survived the war. It is now in Poland [where?].
- Creative definitions are discussed at the end of the paper.
- 1939 [Genesis of three-valued logic], a lecture. *Nauka Polska*, 24 (1939), 215–223. Reprinted in *Filozofia Nauki*, 3–4 (1994), 232–235.
- According to Betti 2002, p. 404, this contains “sharply critical remarks by Leśniewski.”
- 1951a Aristotle’s Syllogistic, from the Standpoint of Modern Formal Logic, Oxford: Clarendon Press.
- 1951 “On variable functors of propositional arguments,” *Proceedings of the Royal Irish Academy, sect. A*, 54 (1951), 25–35. Réimpression [1970a], 311–324. JSTOR.
- 1953 “Symposium: The principle of individuation I,” *Proceedings of the Aristotelian Society*, Supplemental Volume 27 (1953), 69–82.
- 1958 *Elementy logiki matematycznej*, second edition of 1929, edited by Jerzy Śłupecki, Państwowe Wydawnictwo Naukowe, Warsaw. Reviewed by Mostowski, *Journal of Symbolic Logic*. This is the second edition of 1866 (using Church’s enumeration).

- 1961 *Z zagadnień logiki i filozofii*, Pisma wybrane (Problèmes de logique et de philosophie, textes choisis), PWN, Warsaw, ed. J. Slupecki, 309p.
- 1963 *Elements of Mathematical Logic*, Oxford: Pergamon Press. Trad. de [1929].
++++ Alfons Borgers Source: *J. Symbolic Logic* Volume 30, Issue 2 (1965), 237. Reviewed Works: Jan Łukasiewicz, Olgierd Wojtasiewicz, *Elements of Mathematical Logic*. +++++
- 1967 On the History of the Logic of Propositions. The Equivalential calculus, in: S. McCall [1967], 66-87; 88-115. Trad.
- 1970 *Selected Works*, edited by L. Borkowski, Amsterdam: North Holland, 1970.
- 1970b “Two-valued logic,” in [1970a], 89-109. Trad. de [1921a].
- 1971 “On the principle of contradiction in Aristotle,” *The Review of Metaphysics*, 24 (1971), 485–509. Partial translation of 1910a.
- 1994 “Curriculum vitae of Jan Łukasiewicz,” *Metalogicon*, 7 (2), (1994), 133–137. Prepared in 1953.
[Full text](#), including an incomplete list of his publications. Have copy.
- 2000 *Collected Works of Jan Łukasiewicz* (Western Philosophy Series) Reissue edition Published May 28, 2000 by Ashgate Publishing Group . ISBN 10: 1840141824; ISBN 13: 9781840141825.
- *Collected Works of Jan Łukasiewicz* (Western Philosophy Series) 1 edition By J Szrednicki
 - Collected Works of Jan Łukasiewicz* (Western Philosophy Series) J Szrednicki
- 2006a “Sur les définitions dans les systèmes déductifs,” pp. 217–220 in [Joray 2006a](#). French translation of 1928a.
- 2006b “Le rôle des définitions dans les systèmes déductifs,” pp. 221–222 in [Joray 2006a](#). French translation of 1928b.
- 2006c *Collected Works of Jan Łukasiewicz. I: Mathematical Logic. II: History of Logic. III: Methodology of Science and General Philosophy*, Ashgate Publishing, 2006. Edited by J. Szrednicki et al.
- 2013 *Écrits logiques et philosophiques* (Writings in logic and philosophy), Introduction, translation and notes by S. Richard, F. Schang and K. Vandenborre. Mathesis. Librairie Philosophique J. Vrin, Paris, 2013. 333 pp. ISBN 978-2-7116-2457-7.
A collection of French translations of 13 important papers by Łukasiewicz. MR3241576 by Roman Murawski.

Łukasiewicz, Jan; Smolka, Franciszek; and Leśniewski, Stanisław

- 1938 “U źródeł logiki trójwartościowej,” *Nauka Polska*, 24 (1939), 215–223. Reprinted in *Filozofia Nauki*, II (1994), 227–240 [232–235 ??]. Known from Betti 2008 and her review of Szrednicki et al., 2001. Leśniewski makes sharply critical comments about three valued logic.

Łukasiewicz, Jan and Tarski, Alfred

1930 “Untersuchungen über des Aussagenkaldül,” *Comptes rendus des séances de la Société des Sciences et des Lettres de Varsovie*, Class III, 23 (1930), pp. 30–50. English translation in Tarski 1956 and French translation in Tarski 1972.

Cited by Leśniewski 1930b [= 1992, p. 630].

Łukasiewicz, Regina

1990 “Letter to the editor,” *Metalogicon*, 3 (1990), no. 1, 54–55. [Full text](#)

Have copy.

The arguments in this letter are criticized by Anellis in his review of Feferman and Feferman 2004.

Luschei, Eugene C. (1928–2012)

1962 *The Logical Systems of Leśniewski*, Amsterdam: North-Holland, 1962. Reviewed by L. Jonathan Cohen, *The Philosophical Quarterly*, vol. 15, no. 58 (January 1965), 81–82; by E. E. Dawson, *The British Journal for the Philosophy of Science*, 15 (1965), 341–345; and by John T. Kearns, *Journal of Symbolic Logic*, 38 (1973), 147–148.

Have copy.

Lyczak, Marcin; Porwolik, Marek; and Świątorzecka, Kordula

Have reviews of C. D. and K.

2016 “The Universe in Leśniewski’s Mereology: Some Comments on Sobociński’s Reflections,” *Axioms*, 2016, 5(3), 23–

Lyons, John

1966 “Towards a “notation” theory of the “parts of speech,” *Journal of Linguistics*, 2 (1966), 209–236.

1968 *Introduction to Theoretical Linguistics*, Cambridge: Cambridge University Press.

Ma, Lei

Should it be “Lei Ma”?

2015 “Truth-graph method: A handy method different from that of Leśniewski’s,” *Studies in Logic, Grammar and Rhetoric*, 42 (55) 2015.

The paper presents a method of truth-graph by truth-tables. On the one hand, the truth-graph constituted by truth value coordinate and circumference displays a more visual representation of the different combinations of truth-values for the simple or complex propositions. Truth-graphs make sure that you don’t miss any of these combinations. On the other hand, they provide a more convenient tool to discern the validity of a complex proposition made up by simple compositions. The algorithm involving in setting up all the truth conditions is proposed to distinguish easily among tautologous, contradictory and consistent expressions. Furthermore, the paper discusses a certain connection between the truth graphs and the symbols for propositional connectives proposed by Stanisław Leśniewski.

Machover, Maurice Born 1936

1966 “Contextual determinacy in Leśniewski’s grammar,” *Studia Logica*, 19 (1966), 47–58.

Mancosu, Paolo

2008 “Quine and Tarski on Nominalism,” *Oxford Studies in Metaphysics*, vol IV, 22–55. Italian translation in R. Pettoello and P. Valore, *Willard van Orman Quine*, Milan, Franco Angeli, 2009, 31–61.

Marciszewski, Witold

1988 “Miejsce Stanisława Leśniewskiego we współczesnej myśli logiczno-filozoficznej,” (The place of Stanislaw Leśniewski in contemporary logic-philosophical thought), *Roczniki Polskiego Towarzystwa Matematycznego. Seria II: Wiadomości Matematyczne*, 28 (1988), 65–68.

In the author’s view, the importance of Leśniewski’s work consists in providing an alternative to the now classical approach to logic and the foundations of mathematics: in logic Leśniewski concentrates on the structure of a sentence, and he revindicates the traditional idea of a sentence as consisting of a subject, an object and a copula; in set theory, where his concern is the nature of a set, Leśniewski puts the main emphasis on the distinction between sets in the distributive sense and sets in the collective sense. MR986061 by Stanisław J. Surma.

2008g (Editorial), Transcription and editorial remarks to Quine’s 1946 lecture “Nominalism,” *Oxford Studies in Metaphysics*, IV, pp. 3–21. Also in: W. V. Quine, *Confessions of a Confirmed Extensionalist*, (Dagfinn Follesdal & Douglas Quine, editors), Harvard University Press, 2008

Marcus, Ruth Barcan (Born 1921)

1962 “Interpreting quantification,” *Inquiry*, 5 (1962), 252–259.

1963 “Modal logics I: Modalities and intensional languages,” in M. Wartofsky (editor), *Boston Studies in the Philosophy of Science*. Vol. 1, Dordrecht/Boston: Reidel.

1972 “Quantification and ontology,” *Noûs*, 6 (1972), 240–250.

Marshall, David, Jr.

1977 “Łukasiewicz, Leibniz and the arithmetization of the syllogism,” *Notre Dame Journal of Formal Logic*, 18 (2), 1977, 235–242.

Marsonet, Michele

[list of his publications](#) is on the web.

1980 “Problemi di teoria della quantificazione nell’ontologia di Stanislaw Lesniewski,” *Miscellanea filosofica 1979*, Le Monnier, Florence 1980, pp. 39–64.

1981 *Logica e impegno ontologico. Saggio su S. Lesniewski* (Logic and Ontological Commitment: An Essay on S. Lesniewski), Angeli, Milan 1981.

1991 “Polish Philosophy in Italy in the Post-War Period,” *Biuletyn Komisji Logiki*, Warsaw Scientific Society, N. 1, Warszawa 1991, pp. 54–62.

1998 “Dąbbska, Quine, and the so-called empty names,” pp. 191-198 in Kajania-Placek and Woleński 1988.

Dąbbska 1979 criticized Kotarbiński 1966 and his view of empty names. This interesting paper continues the discussion. Leśniewski is not mentioned, but this definitely relates to his system of ontology.

Martin, Norman M.

1953 “On completeness of decision element sets,” *The Journal of Computing Machinery*, 1 (1953), 150–154.

Martin, Richard Milton 1916–1985

For an obituary and list of his publications, see Philip Meguire, “Richard Milton Martin: American Logician,”

“On truth and multiple denotation,” 7–65.

1951 ‘On inscriptions,’ *Philosophy and Phenomenological Research*, 11, (1951), 535–540. Several errors are pointed out in the review by R. Montague, *Journal of Symbolic Logic*, 25 (1960), 84. [JSTOR](#).

Have copy.

1953 “On truth and multiple denotation,” *Journal of Symbolic Logic*, 18 (1953), 11–18.

1958 *Truth and Denotation, A Study in Semantical Theory*, Chicago: University of Chicago Press.

1962 “Existential quantification and the “regimentation” of ordinary language,” *Mind* 71 (1962), 525–529.

1969 “On events and the calculus of individuals,” *Proceedings of the XIVth International Congress of Philosophy*, 3 (1969), 202–208.

1978 “On Quine’s philosophy of logic / In defense of nominalism,” pp. 181-192 / 253-261 in *Events, References and Logical Form*, Washington: The Catholic University of America Press.

Martin, Richard Milton and Woodger, Joseph Henry

1951 “Toward an inscriptional semantics,” *Journal of Symbolic Logic*, 16 (1951), 191–203.

Mazurkiewicz, Stefan (1888–1945)

1939 “Stanisław Leśniewski (1886–1939),” *Przegląd Filozoficzny*, 42 (1939), 115.

McCall, Storrs

1967 *Polish Logic 1920–1939. Papers by Ajdukiewicz, Christek, Jaśkowski, Jordan, Leśniewski, Śłupecki, Sobociński, and Wajsberg, with an introduction by Tadeusz Kotarbiński*, Oxford University Press, 1967, viii + 406 pp.

There is an excellent detailed review by Hiž, *The Philosophical Review*, 78 (1969), 539–543 which is available in JSTOR.

Review by Witold A. Pogorzelski, *Journal of Symbolic Logic*, 35, 442–446.

Megill, Norman D.

2004 *Metamath A Computer Language for Pure Mathematics*. [Full text](#).

Menger, Karl (1902–1985)

1994 *Reminiscences of the Vienna Circle and the Mathematical Colloquium*, Dordrecht: Kluwer, 1994.

Look here for information about Leśniewski .

Menne, Albert (editor)

1962 *Logico-Philosophical Studies*, Dordrecht/Boston: Reidel.

Meredith, Carew Arthur (1904–1976)

1951 “On an extended system of the propositional calculus,” *Proceedings of the Royal Irish Academy*, 54 (1951), Sect A, 37–47. Reviewed by Church, *Journal of Symbolic Logic*, 16, 229-230 and MR 13, 3.

Meredith, Carew Arthur and Prior, Arthur N.

1963 “Axiomatics of the propositional calculus,” *Notre Dame Journal of Formal Logic*, 4 (1963), 171-187. [Full text](#).

Proves that two formulas are shortest single axioms for the equivalential calculus, augmenting the three given in Łukasiewicz 1939. Claims that six more are shortest single axioms, but Peterson 1976 shows that one of them is not.

Merleau Ponty, Maurice (1908–1961)

1945 *Phénoménologie de la perception*, Paris: Gallimard.

Meyers, Jeremy

2011 “A pixelated geometry of solids,” 21 pp. manuscript.

The author completed a Ph.D. at Stanford under the direction of Solomon Fefferman.

Have copy.

2014 “What is nominalistic mereology?,” *Journal of Philosophical Logic*, vol. 43, no. 1, 2014, 71–108.

???? “Nominalistic Mereologic and Classical Space,”

Michałowski, Witold

1955 “Zagadnienie nazw pustych w sylogistyce w świetle “ontologii” Leśniewskiego,” (The problem of non-referential names in Aristotle’s syllogistic from the point of view of Leśniewski’s ontology), *Roczniki Filozoficzne*, 5 (1955–1957), no. 2, pp. 65–95 and 227. Reviewed by Lejewski, *Journal of Symbolic Logic*, 27 (1962), 117. Available in JSTOR.

Have review.

- 1964 “Non-referential names and a particular quantifier,” *Studia Logica*, 15 (1964), 273–274. JSTOR.

Have copy.

This short note is a reply to Lejewski’s criticisms in his review of Michałowski 1955. The dispute is about the existential import of the particular quantifier. It is claimed that Kotarbiński and Ślupecki, based on “notes of Leśniewski’s lectures held at the Warsaw University before 1939,” held that the particular quantifier has existential import.

Miéville, Denis (15 September 1946 — 27 October 2018)

- 1983 Analogie et exemple, in: M.J. Borel, J.-B. Grize and D. Miéville (éds), *Essai de logique naturelle*, Berne, Francfort/M., New York: P. Lang, 147-224.
- 1984a Acquisition des connaissances et raisonnement non formel, in: *Les modes de raisonnement*, Actes du colloque d’Arc, Orsay.
- 1984b Classe-objet et classe méréologique, in: *Construction et transformations des objets de discours* (Actes du colloque Besançon-Neuchâtel), Université de Neuchâtel: Travaux du Centre de Recherches Sémiologiques 47, 147-171.
- 1984 *Un développement des systèmes logiques de Stanislaw Lesniewski. Protothétique-Ontologie-Méréologie*. Berne, Francfort am Main, New York: P. Lang.
- 1984d Logique naturelle et méréologie, in: J.-B. Grize et al. (éds), *Sémiologie du raisonnement*, Berne, Francfort/M., New York: P. Lang, 209-239.
- 1985 “Un aperçu des caractéristiques et de l’esprit des systèmes logiques des Stanislaw Leśniewski,” *Dialectica*, 39 (1985), 165–179.

“This article provides an introduction to the deductive theories, which are so little known, of S. Lesniewski. The reasons that led this Polish logician to develop a theory of collective classes as well as the logical theories that underlie it are set forth here, and the main characteristics of Lesniewski’s three systems – mereology, protothetics and ontology – are presented. Some epistemological considerations are included in this study.”

AXIOMES ET DEFINITIONS CHEZ LESNIEWSKI: UNE MANIERE GENETIQUE DE DEVELOPPER LES SYSTEMES FORMELS Author(s): Denis MIEVILLE Source: *Theoria* SEGUNDA EPOCA, Vol. 2, No. 5/6 (Febrero-Septiembre 1987), pp. 285-307 Published by: University of the Basque Country (UPV/EHU) Stable URL: <http://www.jstor.org/stable/23912618>

- 1987 “Axiomes et définitions chez Leśniewski: une manière génétique de développer les systèmes formels,” *Theoria: An International Journal for Theory, History and Foundations of Science*, (Segunda Epoca), vol. 2, No. 5–6, 285–307.

The logical theories of Stanisław Leśniewski differ profoundly from classical formal systems. Unlike the latter, they do not have an entirely predetermined vocabulary. Nor do they have a determined list of functors of syntactical-semantic categories. Due to formalized directives for definitions, the logics of Leśniewski are constructed progressively, making new theses and consequently functors of new syntactical-semantic categories accessible. In this article we present the genetic aspect associated with these theses-definitions. We also show that the property of creativity makes it possible to bridge some of the fundamental gaps in contemporary classical logics.

- 1989 Préface l'ouvrage de S. Lesniewski: Sur les fondements de la mathématique. Fragments, Paris: Hermès, 10-16. (Traduction G. Kalinowski).
- 1991 Articles: S. Lesniewski: l'homme et l'oeuvre, Méréologie, Ontologie, Protothétique, in: Encyclopédie Philosophique Universelle, Paris: PUF, Vol. 2, 1603-1604, 1805-1806, 2097.
- 1992a S. Lesniewski, ou une manière d'aborder l'ontologie, *Sémiotiques* 2, 19-35.
- 1992b Définition conventionnelle et définition créative, in: G. Sommaruga-Rosolemos (éd.), *Aspects et problème du conventionnalisme*, Fribourg: Editions universitaires, 89-97.
- 1995a Calcul et raisonnement chez Lesniewski, in: *Raisonnement et calcul. Actes du colloque Neuchâtel*, Université de Neuchâtel: Travaux du Centre de Recherches Sémiologiques 63, 133-147.
- 1995b Stanislaw Lesniewski et l'importance d'une logique développementale, in: D. Miéville and D. Vernant (éds), *Stanislaw Lesniewski aujourd'hui*, Grenoble / Neuchâtel, Groupe de Recherches sur la philosophie et le langage / Centre de Recherches Sémiologiques, 67-92
- 1996 A la recherche des catégories syntaxico-sémantiques oubliées, in: *Analyse catégorielle et logique*, Université de Neuchâtel: Travaux de logique 10, 35-41.
- 1997a La logique développementale, in: *Introduction aux logiques non classiques*, Université de Neuchâtel: Travaux de logique 11, 161-187.
- 1997b Microsystème, logique et lexique, *Cahiers de lexicographie* 71, 183-193.
- 1997c La classe-objet de discours a-t-elle des creux ou des bosses? in: *Logique, discours et pensée. Mélanges offerts à Jean-Blaise Grize, textes recueillis et édités par D. Miéville and A. Berrendonner*, Berne: P. Lang, 103-119.
- 1999a Associative Anaphora: an Attempt at Formalization, *Journal of Pragmatics* 31, 327-337.
- 1999b Expansion catégorielle et logique, in: D. Miéville (éd.), *Rôle et enjeux de la notion de catégorie en logique*, Université de Neuchâtel: Travaux de logique 13, 1-41.
- 2001 Méréologie et modalités. Aspects critiques et développements, (sous la direction de D. Miéville), Université de Neuchâtel: Travaux de logique 14.
- 2001 *Introduction à l'oeuvre de S. Leśniewski. Fascicule I: La protothétique*. Université de Neuchâtel: Travaux de logique.
- 2004 *Introduction à l'oeuvre de S. Leśniewski. Fascicule II: L'ontologie*. Université de Neuchâtel: Travaux de logique. Reviewed by Krystyna Misiuna *History and Philosophy of Logic*, 26 (4): 361 (2005).
- 2009 *Introduction à l'oeuvre de S. Leśniewski. Fascicule VI: La métalangue d'une syntaxe inscriptionnelle* Université de Neuchâtel: Travaux de logique, 174pp. ISSN 1420-8520. Reviewed by Paula Quinon, [History and Philosophy of Logic Volume 32, 2011 — Issue 2, p. 191](#).

2009 “Leśniewski, negation, and the art of logical subtlety,” pp. 113–120 in Lapointe et al. 2009. [First page](#).

Miéville, Denis and Vernant, Denis, editors

1995 *Stanislaw Lesniewski aujourd'hui*, Grenoble and Neuchâtel, Groupe de Recherches sur la philosophie et le langage, Centre de Recherches Sémiologiques. 329pp. Reviewed by K. Misiuna, *History and Philosophy of Logic*, 17 (1996), pp. 167–168.

Have review by M.

2007 “Un aperçu des caractéristiques et de l'esprit des systèmes logiques de Stanislaw Leniewski,” *Dialectica*, vol. 39, no. 3, pp. 165–179. Abstract.

Have copy.

Mihailescu, Eugene Gh.

1937a “Recherches sur un sous-système du calcul des propositions,” *Annales Scientifiques de l'Université de Jassy*, 23 (1937), 106–124. Reviewed by A. A. Bennet, *Journal of Symbolic Logic*, 2, 51.

Bases the equivalential calculus on $EEpqEqp$ and $EEEpqrEpEqr$. The review notes that this follows “ideas of St. Leśniewski and A. Tarski. I have not looked at the original but this has to be his source for the notation.

1937b “Recherches sur la négation et l'équivalence dans le calcul des propositions,” *Annales Scientifiques de l'Université de Jassy*, 23 (1937), 388–403.

A proposition containing only equivalence and negation is a tautology iff negation and each variable occurs an even number of times. Leśniewski's theorem in 1929b only dealt with equivalence. Who coined the name ‘Leśniewski-Mihailescu Theorem’?

1938 “Sur le calcul des propositions,” *Bulletin mathématique de la Société Roumaine des Sciences*, vol. 40 (1938), pp. 241–244. This is the first reference in the *Oxford English Dictionary* for the phrase “Polish Notation.” Łukasiewicz is not mentioned in this review. Check out earlier papers for notation. See http://romanian-philosophy.ro/ro/index.php?title=Eugen_Mihaiilescu. The earliest reference to the term in NGram is 1975.

1969 *Logica Matematică, Elemente de Calcul cu Propozitii se Predicate*, Editura Academiei Republicii Socialista România, Bucuresti.

Chapter two deals with the equivalential calculus. It seems to include a translation of the completeness proof of Leśniewski 1929b.

Mikolajewicz, Bolesław

19xx *Zagadnienie odtwarzalności logiki tradycyjnej w pewnym elementarnym rachunku nazw*, *Acta Universitatis Wratislaviensis*.

Milkov, Nikolay

“Synoptic Logic & Formal Ontology,” [Full text](#).

Miskiewicz, Wioletta

- 2004 “A’propos des origines philosophiques de l’École de Lvov et de Varsovie: affaire Zimmermann,” pp. 377-395 in *Aristote au XIX^e siècle*, edited by Denis Thouard. Villeneuve d’Ascq: Presses Universitaires du Septentrion, 2004.

Miszczyński, Ryszard

Here is a [link](#) to his papers. Several of them should be incorporated here.

- 2017 “Intuicyjne podstawy ontologii Stanisława Leśniewskiego,” (Intuitive foundations of Stanisław Leśniewski’s ontology), *Filozofia*, Cz. 14 ; s. 291–303.

Leśniewski belongs to a group of contemporary supporters of the thesis concerning the classical model of science. Axioms are real and understandable. The functor “ \ulcorner ”, which is used in his ontology, is of great significance. The article discusses how it is understood and perceived by the scholar.

- 20?? “Matematyka a nauki przyrodnicze (z rozważań Stanisław a Leśniewskiego),” (Mathematics And Natural Sciences (From Stanisław Leśniewski’s Deliberations)), 1–15.

I present the proposal of a Polish scientist to treat mathematics as a tool of natural sciences. Deductive theories are to describe the world. It will provide them with consistency. However, they themselves do not assume the existence of reality. The disadvantage is the lack of adequate characterization of intuition which provides mathematics with the knowledge of reality.

- 2008 “Antypsychologizm i formalizm Jana Łukasiewicza,” *Filozofia*, V. *PRACE NAUKOWE Akademii im. Jana Długosza w Częstochowie*

<https://www.scribd.com/document/255398477/lukasiewiczFormalizmAntypsych>

- 2009 “O symbolizacji rzeczywistości w języku. Rozważania z wczesnych prac S. Leśniewskiego,” (Conclusions for Logic Drawn from the Classical Definition of Truth. Analyses of Leśniewski’s Early Writings) *PRACE NAUKOWE Akademii im. Jana Długosza w Częstochowie* 6, 103–114.

Leśniewski made research into the classical definition of truth for categorical sentences. He formulated the conditions indispensable for their truthfulness: having a denoting subject and co-denoting verb. Among others, the result was the rejection of the principle of the excluded middle as well as providing solutions to some known antinomies.

- 2011 “Stanisław a Leśniewskiego pierwsze rozwiązanie antynomii Russella,” (Stanisław Leśniewski’s First Solution of Russell’s Antinomy), *Prace naukowe Akademii im. Jana Długosza w częstochowie*, 7, 5–17.

The text discusses Stanisław Leśniewski’s first attempt to solve Russell’s antinomy. It is based on the intuitive understanding of the collective set.

- 2011 “Stanisław a Leśniewskiego drugie rozwiązanie antynomii Russella,” (Stanisław Leśniewski’s Second Solution of Russell’s Antinomy), *Prace naukowe Akademii im. Jana Długosza w częstochowie*, 8, 163–172.

The article discusses the project of a mereological solution of the antinomy which is more mature than the first one. It is a formalized and axiomatized theory in which Russell’s

structure cannot be reproduced. An important component of the solution is the analysis of the advantages of the concept of a mereological class over the concept of a distributive class.

- 2012 “O definicjach twórczych: między poglądami Jana Łukasiewicza i Stanisława Leśniewskiego,” *Prace naukowe adademii im. Jana długosza w częstochowie*, 9, 207–221.

The author discuss two different approaches to the problem of creative definitions: those of J. Łukasiewicz and S. Leśniewski.

- 2013 “Stanisława Leśniewskiego trzecia analiza antynomii Russella,” *Prace Naukowe Akademii im. Jana Długosza w Częstochowie. Filozofia*, 10, 163–181.

This analysis of Russell’s antinomy was presented by Sobociński only after Leśniewski’s death. The logical system, called ontology, is the basis for carrying out the research. The definition of paradox provided by Leonard Nelson is used in deliberations. The result is the acknowledgment that Russell’s contradiction is not a antinomy because the assumptions adopted by Russell are unacceptable. R. Urbaniak’s critique results in the fact that a part of Sobociński’s cerebrations lose their significance.

- 2016 “Intuicyjny formalizm Stanisława Leśniewskiego” (Stanisław Leśniewski’s Intuitive Formalism), *Filozofia Nauki*, 25 (2(94)), 145–160.

The paper discusses the two volumes of Stanisław Leśniewski’s *Pisma zebrane* [Collected Works] edited by Jacek Jadacki and published in 2015. The focus here is on the works published in the second period of Leśniewski’s scholarly activity, when he created his system of foundations of mathematics. However, the publications were not presented systematically and comprehensively. The article also explains why Leśniewski’s view is called “intuitive formalism.”

- 2016 “Semantyczne kategorie — Edmund Husserl, Stanisław Leśniewski” (Semantical Categories — Edmund Husserl, Stanisław Leśniewski) *Filozofia XII (Prace Naukowe Akademii im. Jana Długosza w Częstochowie. Filozofia 13/XIII/2016)*, 263–281.

Summary/Abstract: Husserl formulated the concept of semantic categories in his *Logische Untersuchungen* (1901), which were later used by Leśniewski to construct a formal language for the foundations of mathematics. The author focuses on the language Protothetic described in “Grundzüge eines neuen Systems der Grundlagen der Mathematik” (1929), presenting in clearly defined language, how Leśniewski used so-called. “Terminological clarification” (Terminological Explanation) characterised by semantic categories.

- 2017 “Stanisław Leśniewski’s radical formalism,”

Formalism used by Leśniewski to present mathematical theory is called a radical one. According to the author, it is the implementation of the postulates of the so-called formal arithmeticians. Mathematical theory is presented as a pure game of formulas devoid of content. It is governed by the precise rules described in the metalanguage. The author stresses the difference between Leśniewski’s and Hilbert’s mathematical approaches.

- 2018 “Recenzje Stanisław Leśniewski — człowiek, uczony. Uwagi na marginesie książki Jacka Jadackiego "Stanisław Leśniewski — Geniusz logiki" (Stanisław Leśniewski — a Person, a Scholar), 143–153.

Discusses Jadacki's, *Stanisław Leśniewski geniusz logiki* (*Stanisław Leśniewski A Genius of Logic*). The book presents

Moiseev, Vyacheslav

“Towards a Platonic epistemology of mathematics,” [Abstract](#).

2012 “Projectively modal ontology: between worlds of St. Lesniewski and W. Soloviov” [Text](#).

Projectively Modal Ontology:

Moravcsik, Julius M. E.

1973 “Mass terms in English,” pp. 263–285 in J. Hintikka, J. Moravcsik and P. Suppes (editors), *Approaches to Natural Language, (Proceedings of the 1970 Stanford Workshop on Grammar and Semantics)*, Dordrecht/Boston: Reidel.

Morawiec, Adelina

1961 “Podstawy logiki nazw,” (Foundations of the theory of names), *Studia Logica*, 12 (1961), 145–170.

Morgan, Charles G.

1973 “Proper definitions in *Principia Mathematica*,” *International Logic Review* 4, #7, 80–85.

Comments on Nemesszeghy & Nemesszeghy 1971.

Morrison, Paul G.

1970 “An axiom-free theory of the part-whole relation,” abstract, *Journal of Symbolic Logic*, 35 (1970), 358–359.

Morscher, Edgar; Czermak, Johannes and Weingartner, Paul (editors)

1977 *Problems in Logic and Ontology, Papers presented at the Colloquium on Logic and Ontology, Salzburg 1973*, Graz: Akademische Druck-und Verlagsanstalt.

Morse, Anthony P. (1911–1984)

1965 *A Theory of Sets*, New York and London: Academic Press.

Mostowski, Andrzej (1913–1974)

1948 *Logika Matematyczna*, Warszawa-Wrocław: Monografie Matematyczne, T. XVIII.

Mulligan, Kevin

2014 “Arithmetic in Leśniewski’s ontology.” In Mulligan et al., 2014.

Mulligan, Kevin and Smith, Barry

1982 “Piece of theory,” pp. 15–109 in B. Smith (ed.), *Parts and Moments. Studies in Logic and Formal Ontology*, Munich: Philosophia.

1983 “Framework for formal ontology,” *Topoi*, 2 (1983), 73–85.

Mulligan, Kevin, Kijania-Placek, Katarzyna and Placek, Tomasz

2014 *The history and philosophy of Polish logic: essays in honour of Jan Woleński*, Houndmills, Basingstoke, Hampshire: Palgrave Macmillan, 2014.

Contains Betti 2014, Mulligan 2014, and Simons 2014.

Munitz, Milton K. (–1995)

1974 *Existence and Logic*, New York: New York University Press.

Murawski, Roman (Born 1949)

2004 “Philosophical reflections on mathematics in Poland in the interwar period,” *Annals of Pure and Applied Logic*, 127 (2004), 325–337. Have copy.

2011 *Filozofia matematyki i logiki w Polsce międzywojennej*, (The philosophy of mathematics and logic in interwar Poland) ISBN: 978-83-231-2670-6.

Contains a chapter on Leśniewski.

2014 *The Philosophy of Mathematics and Logic in the 1920s and 1930s in Poland*, Birkhauser. Translated from the Polish by Maria Kantor. Reviewed by James T. Smith, *History and Philosophy of Logic* Volume 37, 2016 - Issue 2.

Myhill, John R. (1923–1987)

1953 “Arithmetic with creative definitions by induction,” *Journal of Symbolic Logic*, 18 (1953), 115–118. [JSTOR](#) Have copy.

Constructs a system of arithmetic with infinitely many creative definitions. He credits Leśniewski with the notion of a creative definition but incorrectly cites the “Über Definitionen” paper as the source.

1959 Review of Suppes [1957a], *Bulletin of the American Mathematical Society* 65, 156-160.

Nagel, Ernst (1901–1985)

1952 “Wholes, sums, and organic unities,” *Philosophical Studies*, 3 (1952), no. 2, 17–32.

<https://www.scribd.com/document/89451003/Nagel-Wholes-Sums-And-Organic-Unities>

Nef, Frédéric

1995 Sémantique et ontologie: réflexions sur la théorie des objets et les propriétés, in: D. Miéville and D. Vernant (éds), *Stanislaw Lesniewski aujourd’hui*, Grenoble / Neuchâtel: Groupe de Recherches sur la philosophie et le langage / Centre de Recherches Sémiologiques, 147-178.

1999 La lecture par Brentano des catégories aristotéliennes et l’ontologie formelle, in: D. Miéville (éd.), *Rôle et enjeux de la notion de catégorie en logique*, Université de Neuchâtel: Travaux de logique 13, 63- 92.

- 2001 Propriétés, mondes possibles, objets et profils. Problèmes de méréologie modale, in: Méréologie et modalités. Aspects critiques et développements, Université de Neuchâtel: Travaux de logique 14, 1-21.

Nemesszeghy, E. Z. & Nemesszeghy, E. A.

- 1971 “Is $p \supset q =_{Df} \sim p \vee q$ a proper definition in the system of the *Principia Mathematica*?” *Mind*, 80 (1971), 282–283.

This paper has been criticized by Black 1973, Dudman 1973, Morgan 1973 and Rickey 1975.

- 1973 “On the creative role of the definition $(p \supset q) = (\sim p \vee q)$ Df in the system of *Principia*: Reply to V. H. Dudman (I) and R. Black (II), *Mind*, 82 (1973), 613–616.

- 1976 “On strongly creative definitions: A reply to V. F. Rickey,” *Logique et Analyse*, 18, #69-70, 175–182.

Neumann, John von (1903–1957)

- 1927 “Zur Hilbertschen Beweistheorie,” *Mathematische Zeitschrift*, 26 (1927), 1–46.

After commenting that he knows of no adequate formalized system for mathematics whose rules are stated precisely enough to prevent contradictions, Leśniewski obtains a contradiction in this paper of von Neumann [1992, 488-490, 665]. He cites this as “separately published” [1992, 429], so perhaps he was working with an offprint.

- 1931 “Bemerkungen zu den Ausführungen von Herrn St. Leśniewski über meine Arbeit “Zur Hilbertschen Beweistheorie”,” *Fundamenta Mathematicae*, 17 (1931), 331–334.

Nicod, Jean George Pierre (1893–1924)

- 1916 “A reduction in the number of primitive propositions of logic,” *Proceedings of the Cambridge Philosophical Society*, 19 (1916), 32–41.

Cited in Leśniewski 1988, p. 3 where he remarks that Nicod (and Sheffer 1913) use a “special definitional sign of identity” and so it is difficult to say that Nicod’s theory of deduction is really based upon the sole primitive sign ‘|’.

Nicolas, Georges

- 1984 *L’espace originel*, Berne: P. Lang.

Nowik, Grzegorz

- 2004 *Zanim złamano Enigmę: Polski radiowywiad podczas wojny z bolszewicką Rosją 1918–1920* (Before Enigma Was Broken: Polish Radio Intelligence during the War with Bolshevik Russia, 1918–1920), Warsaw, Oficyna Wydawnicza Rytm, 2004, ISBN 83-7399-099-2.

Discusses Leśniewski’s work on cryptography.

Obojska, Lidia

2007 “Primary relations” in a new foundational axiomatic framework,” *Journal of Philosophical Logic*, 36 (2007), 641–657.

Have copy.

2013 “U źródeł zbiorów kolektywnych. O mereologii nieantysymetrycznej (At the foundations of collective sets: on non-antisymmetric mereology). PL ISSN 2082-5684

2013 “Some remarks on supplementation principles in the absence of antisymmetry,” *The Review of Symbolic Logic*, Volume 6, Issue 02, June 2013, 343–347.

Author’s abstract: In response to the paper by Cotnoir and Bacon published in RSL 2/2012, we would like to add some remarks regarding supplementation principles. It is known that in a classical mereology, the Strong Supplementation Principle (SSP) together with antisymmetry enforces the Weak Supplementation Principle (WSP). Instead, in the nonwellfounded mereology, the failure of extensionality causes the failure of antisymmetry (Cotnoir, 2010), hence the investigated model is also nonantisymmetric. Cotnoir supposes that the failure of antisymmetry implies the failure of (WSP) when (PP1) is applied, however gives no explicit argument, which we would like to supply in this paper. Additionally, when (PP2) is applied, (SSP) implies (WSP), hence the failure of antisymmetry does not necessarily imply the failure of (WSP).

2015 “Some remarks of Jan Śleszyński regarding foundations of mathematics of Stanisław Leśniewski,” [Copy](#).

Odegard, Douglas

1969 “Classifying the class-membership relation,” *Logique et Analyse*, 12 (1969), #47, 221–224.

Onicescu, Octav and Radu, Eugen

1975 “Roumanian contributions to logical developments: Researches in mathematical logic and in the foundations of mathematics,” *International Logic Review*, 6 (1975), #11, 81–88.

Oppy, Graham (Born 1960)

1997 “Mereological ontological arguments and pantheism,” *Monist*, 80 (1997), 320–336. [Full copy](#).

Ostasiewicz, Walenty

???? “Pioneers of fuzziness,” undated ms. [Full text](#).

Ozawa, Masanao and Waragai, Toshiharu

1985 “Set theory and Leśniewski’s ontology,” *The Japan Association for the Philosophy of Science*, 6 (1985), pp. 261–272.

https://www.jstage.jst.go.jp/article/jafpos1956/6/5/6_5_261/_pdf/-char/en .

Have copy.

Parsons, Charles (born 1933)

1971 “A plea for substitutional quantification,” *The Journal of Philosophy*, 68 (1971), 231–237.

Partee, Barbara Hall (born 1940)

- 1973 “Some transformational extensions of Montague grammar,” *Journal of Philosophical Logic*, 2 (1973), 509–531.

Pasenkiewicz, Kazimierz

Ph.D. Uniwersytet Warszawski 1933, under the direction of Kotarbiński with a dissertation *On Cognitive Acts Constructing Deductive Theories*.

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- 1973 “The development of Polish semiotics in the post-war years,” *Dialectics and Humanism*. Reprinted in *Semiotica*, 10 (1998), 369-382. First page.
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1975 “On mereological essentialism,” *The Review of Metaphysics*, 28 (1975), 468–476.

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concept of logic, and his views of theory of science and metaphysics are sketched. The influence of Mill, Łukasiewicz, Austrian philosophy and especially Petrazycki on his thinking is evaluated and an interpretation is suggested setting him squarely in a tradition of classical Aristotelian logic.”

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Popper, Karl (1902–1994)

- 1963 “Creative and non-creative definitions in the calculus of probability,” *Synthesis*, 15 (1963), 16–186 + correction, 21, 107.

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- 2013 Józef Maria Bocheński’s logical analyses of Question I of St. Thomas Aquinas’ *Summa Theologiae*, *Studies in East European Thought*, 65(2013)1, 75-99.
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Prior, Arthur N. (1914–1969)

- 1952 “Review article: Łukasiewicz’s symbolic logic,” *The Australasian Journal of Psychology and Philosophy*, 30 (1952), 33–46.
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- 1976 *Papers in Logic and Ethics*, Amherst: University of Massachusetts.
Prior has written reviews of Lejewski 1955, Sobociński 1955,

Have review of Myhill.

Quine, Willard van Orman (1908–2000)

- 1923 (639) Leśniewski, Stanisław, 1886–1939. Correspondence with WVOQ, 1923–1937. 1 folder. Some correspondence in German.

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- 1933 (3240) Logic notes, mostly 1934–38 : autograph manuscript, 1933–1951.2 folders. Notes in a bound notebook; pages numbered from 1 through 300. Table of contents and Indexes of names and subjects at back of volume. First entry: "Warsaw, May 16, 1933." Loose sheets found between pages 38-39 removed to separate folder.
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- 1951 "Whitehead and the rise of modern logic," pp. 127–163 in J.-P. Schlipp (editor), *The Philosophy of Alfred North Whitehead*, New York: Tudor.
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Rand, Rose (1903–1980)

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1954 “Leibniz’s interpretation of his logical calculi,” *Journal of Symbolic Logic*, 19 (1954), Leibniz had a formal treatment of the part relationship. Need details

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1975 “Mereology,” *Encyclopedia Britannica, Macropedia*, XI, 36–37.

Resnik, Michael David (born 1938)

1964 “Some observations related to Frege’s way out,” *Logique et Analyse*, 7, #27, 138–144.

Rezuş, Adrian

2010 “Tarski’s claim thirty years later,” *Équivalences*, Nijmegen, The Netherlands. 12 pp. [Full text](#).

Richard, Sébastien (Born 1981)

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2007 “Le problème de l’identité temporelle dans la méréologie de Peter Simons,” Diplôme d’études approfondies en philosophie, Université de Liège.

2006 “La conception sémantique de la vérité et ses perspectives dans la philosophie de Jaakko Hintikka,” Licence en philosophie, Université Libre de Bruxelles.

2011 “Genèse historique et logique du projet d’ontologie formelle. De l’ontologie traditionnelle à la métaphysique analytique contemporaine,” Thèse de doctorat, Université Libre de Bruxelles. Directed by Marc Peeters.

2012 *De la forme à l’être. Sur la genèse philosophique du projet husserlien d’ontologie formelle*, Ousia, Bruxelles. Ñ

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- 1968 *An Axiomatic Theory of Syntax*, Ph.D. dissertation, University of Notre Dame, under the direction of Sobociński.
- 1972 “Axiomatic inscriptional Syntax, Part I: The syntax of protothetic,” *Notre Dame Journal of Formal Logic*, 13 (1972), 1–33.
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- 1985 “Interpretations of Leśniewski’s ontology,” *Dialectica*, 39 (1985), 182–192.
 “This article proposes to clarify the problem of interpreting Leśniewski’s ontology. A distinction is made between two kinds of interpretation: substitutional and “natural.” Substitutional interpretation is shown to involve difficulties and limitations. A “natural” ontology, the major principles of which are presented here, is shown to be of considerable interest.”
 “For interpreting Ontology, the author suggests a structure consisting of a domain of individuals, a set of names for these individuals and a denotation relation which relates the names and the individuals. In this paper only the primitive epsilon is given an interpretation.” A crucial idea comes from Miéville’s 1984 book. [MR87j;03029]
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- 1963 “Polish philosophy today,” *Journal of the History of Ideas*, 24 (1963), 423–432.

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- 2012 “General Objects and Universals (On the Hundredth Anniversary of Lesniewski’s Proof),” *Topos*, (18150047) . 2012, Vol. 25 Issue 2, p36-49. 14p.

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- 2005 *From the Act of Judging to the Sentence: The Problem of Truth Bearers from Bolzano to Tarski*, New York: Springer. ISBN 978-4020-3396-4.

Rose, Alan

- 1954 “Caractérisation, au moyen de théories des treillis, du calcul des propositions à foncteurs variables,” *Applications scientifiques de la logique mathématique, Actes du 2e Colloque International de Logique Mathématique, Paris, 25-30 août 1952*, Institut Henri Poincaré, Collection de logique mathématique, Paris / Louvain: Gauthier-Villars / E. Nauwelaerts, ser. A, no. 5, 87–88.

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Rouault, Jacques

- 1971 *Approche formelle de problèmes liés à la sémantique des langues naturelles*, Thèse de Doctorat és Sciences à l’Université Scientifique et Médicale de Grenoble; Institut de Recherches en Mathématiques Avancées.

- 1995 “Représentations centrées objets, formalisation en linguistique et système de Lesniewski,” pp. 257–276 in D. Miéville and D. Vernant (éds), *Stanislaw Lesniewski aujourd’hui*, Grenoble / Neuchâtel: Groupe de Recherches sur la philosophie et le langage / Centre de Recherches Sémiologiques.

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- 1906 “Les paradoxes de la logique,” *Revue de Metaphysique et de la Morale*, 14, 121–144.
See Leśniewski 1992, p. 222
- 1908 “Mathematical logic as based on the theory of types,” *American Journal of Mathematics*, 30 (1908), 222–262. Reprinted in van Heijenoort 1967, 150–182.
See Leśniewski 1992, p. 179, 413, 415.
- 1919 *Introduction to Mathematical Philosophy*, London and New York: Macmillan.
See Leśniewski 1992, p. 225, 609
- 1956 *The Principles of Mathematics*, London: Allen & Unwin, (First edition, 1903).
- 1970a “De la dénotation,” *L’âge de la science*, 3, 171–185. Translation of 1905 by P. Devaux.
- 1970b *Introduction à la philosophie mathématique*, Paris: Payot. Translated by G. Moreau.

Rvacev, Leonid A.

- 1966 *Matematika i semantika nominalizm kak interpretacija matematika (Nominalisme mathématique et sémantique comme interprétation des mathématiques)*, Kiev: Izdat. Naukova Dumka, 88p.

Rybaříková, Zuzana

- 2016 “[Prior’s Definition of Creative Definitions \(Sobociński-Prior-Lejewski’s Discussion on the Leśniewskian Definitions\)](#),” *Organon F*, 23 (3) 2016: 405–416.

Rzewuski, Paweł

- 2012 “[Stanisław Leśniewski — logik radykalny](#),” (Stanisław Leśniewski —radical philosopher),
There is some new, to me, information here: Leśniewski’s political views were radical left. For a time he belonged to the Socjaldemokracja Królestwa Polskiego i Litwy (Social Democracy of the Polish Kingdom and Lithuania). In 1913 he went to Kimborciszek, the family estate of his wife, in the Vilnius region. Serious problems arose with his habilitation, due to opposition from Mstislav Wartenberg

Sagal, Paul Thomas

- 1973a “Implicit definition,” *The Monist*, 57 (1973), 443–450.
- 1973b “On how best to make sense of Leśniewski’s Ontology,” *Notre Dame Journal of Formal Logic*, 14 (1973), 259–262.
- 1973c “Predicates, concepts, and ontological neutrality in Lorenzen,” *Ratio*, 15 (1973), 902–903.

Salamucha, Jan (1903–1944)

- 1930 *Pojecie dedukcji u Arystotelesa i Sw. Tomasza z Akwinu. Studium historyczno-krytyczne* (The concept of deduction in Aristotle and Saint Thomas Aquinas, a critical historical study), Warsaw.
- 1934 “Dowód ‘ex motu’ na istnienie. Analiza argumentacji św. Tomasza z Akwinu,” *Collectanea Theologica*, vol. 15. English translation in 1958.
- 1958 “The proof ‘ex motu’ for the existence of God: Logical analysis of St. Thomas’ arguments,” *The New Scholasticism*, 32 (1958), 334–372. English translation of JSL 421 2 by Tadeusz Gieryski and Marian Heitzman. Reviewed by Wilfrid Hodges, JSL, 34 (1969), 647. A biographical note by Sobociński prefaces the essay.
- 2003 *Knowledge and Faith*, edited by Kordula Świetorzecha and Jacek Juliusz Jadacki. *Poznań Studies in the Philosophy of the Sciences and Humanities*, volume 77. ISBN: 90-420-0894-6.

Have review of H.

Salustri, Filippo A. and Lockledge, Jeffrey C.

- 1999 “Towards a formal theory of products including mereology,” *Proc. 12th Int’l Conf. on Engineering Design (ICED 99)*, Birkhofer, Meerkamm, and Vajna, eds., Munich, 1999 pages 1125–1130. [Full text](#).

Sanders, John T.

- 1996 “Stanisław Leśniewski’s logical systems,” *Axiomathes*, 3 (1996), 407–415. [Full Text](#).

Have copy.

Stanislaw Leśniewski’s interests were, for the most part, more philosophical than mathematical. Prior to taking his doctorate at Jan Kazimierz University in Lvov, Leśniewski had spent time at several continental universities, apparently becoming relatively attached to the philosophy of one of his teachers, Hans Comelius, to the chapters of John Stuart Mill’s *System of Logic* that dealt specifically with semantics, and, in general, to studies of general grammar and philosophy of language. In these several early interests are already to be found the roots of the work that was to occupy Leśniewski’s life: a search for a definitive doctrine of what sorts of things there are in the world, or better, of what language must be like if it is adequately and efficiently to represent the world.

Sant’Anna, Adonai S.

- 2002 “Some problems concerning definitions in mathematics and physics,” *Bol. soc. Paran. Mat.*, 20 (2002), no. 1–2, 21–28. [Full text](#).

Sarlet, Henri

- 1974 *La notion d’existence en logique formelle*, Mémoire présenté pour l’obtention de la licence en philosophie, Université de Liège, 181pp.
- 1976 “La formalisation de “existe”,” *Logique et Analyse*, 19 (1976), #74–76, 469–478.

Schäfer, Burkhard

- 1998 “Leśniewski quantifiers and modal arguments in legal discourse,” *Logic and Logical Philosophy*, 6 (1998), 133–155. [Full text](#).

- 2013 “A logical journey: the anxiety of the Lesniewski quantifiers,” pp. 277-296 in *The Anxiety of the Jurist: Legality, Exchange, and Judgement*, edited by Claudio Michelon, and Maksymillian Del Mar, Ashgate, 2013.

Schirn, Matthias

- 2009 “On translating Frege’s *Die Grundlagen der Arithmetik*,” *History and Philosophy of Logic*, Volume 31, Issue 1, 2010, 47–72.

Critical discussion of Dale Jacquette’s English translation of Frege 2007, analyzing errors and shortcomings in this translation and in Austin’s translation of Frege

Scharle, Thomas W. (Born 1938)

- 1962a “A diagram of the functors of the two-valued propositional calculus,” *Notre Dame Journal of Formal Logic*, 3 (1962), 243–255. [Full text](#).

This work is the substance of his M.A. thesis in Philosophy under the direction of Sobociński.

- 1962b “Note to my paper: “A diagram of the functors of the two-valued propositional calculus,” *Notre Dame Journal of Formal Logic*, 3 (1962), 287–288. [Full text](#).

- 1970 Are Definitions eliminable in Formal Systems?, *JSL* 35, 182-183.

- 1971 “Completeness of many-valued protothetic,” *Journal of Symbolic Logic*, 36 (1971), 363–364. Abstract.

- 1976 “Higher epsilons in Leśniewski’s ontology,” abstract, p. 30, in Surma 1976.

Scheffler, Israel (Born 1923)

His Ph.D. dissertation “On quotation” was earned at the University of Pennsylvania in 1952 under the direction of Nelson Goodman.

- 1972 “Ambiguity: An inscriptional approach,” pp. 251–272 in R. Rudner and I. Scheffler (editors), *Logic and Art: Essays in Honor of Nelson Goodman*, New York: Bobbs-Merrill.

Schock, Rolf (1933–1986)

He endowed the Rolf Schock Prize in logic and philosophy, which has been won by Willard Van Orman Quine (1993), Dana Scott (1997), Michael Dummett, Saul Kripke and Sol Feferman (2003).

- 1968 *Logics without Existence Assumptions*, Stockholm: Almqvist and Wiksell.

Scholz, Heinrich (1884–1956)

- 1957 “In memoriam Jan Łukasiewicz,” *Arch. Math. Logik Grundlagenforsch*, 3 (1957), pp. 3–18.

Scholz began a correspondence with Łukasiewicz in 1938 and helped him and his wife Regina to leave Poland and hide in Germany.

Schönfinkel, Moses (1889–1942)

1924 “Über die Bausteine der matematischen Logik,” *Mathematische Annalen*, 92, no. 3/4 (1924), 305–316.

This paper was brought to Sobociński’s attention by Leśniewski, who noted that Schöfinkel used functions similar to multi-link functors. See Sobociński 1934, n. 2. Schöfinkel was a founder of Combinatorial Logic together with Haskell Curry, whose notes on this paper are available [here](#).

Schuldenfrei, Richard

1969 “Eberle on nominalism in non-atomic systems,” *Noûs*, 3, 427-430. JSTOR.

Severens, Richard Hoxie

1960 *Ontological Commitments in Categorical Systems*, Ph.D. dissertation at Duke, directed by Romane Clark.

Shanker, Stuart

Philosophy in Britain Today, [Google books](#).

Sheffer, Henry Maurice (1882–1964)

1913 “A set of five independent for postulates for Boolean Algebras, with application to logical constants,” *Transactions of the American Mathematical Society*, 14 (1913), 481–488.

Cited in Leśniewski 1988, p. 3 where he remarks that Sheffer (and Nicod 1916) use a "special definitional sign of identity" and so it is difficult to say that Nicod’s theory of deduction is really based upon the sole primitive sign ‘|’."

Shepard, Philip T.

1973 “A finite arithmetic,” *Journal of Symbolic Logic*, 38 (1973), 232–248.

Sierpiński, Waław (1882–1969)

1923 *Zarsy teorii mnogości. Część pierwsza: Licby pozaskończone* (Outline of the Theory of Sets. First Part: Infinite Sets), second edition, Warsaw, 1923.

In language which is, depending on the opinion of the reader, either coldly analytical or sarcastic, Leśniewski criticizes the ‘invention’ of the empty set by Sierpiński, Cantor, Fraenkel 1923 and Hausdorff 1927. Sierpiński took offense and this led to a disagreement that led to Leśniewski’s resignation from the editorial board of *Fundamenta Mathematicae*. Łukasiewicz resigned in sympathy. Leśniewski 1927 cites p. 4 of this book of Sierpiński. See Leśniewski 19183b, p. 18, or 1992, p. 211.

See Woleński 1995, pp. 373–374, and Sundholm 2003, pp. 122-123, for a few more details.

1963 “Polish School of mathematics,” *Polish Perspectives*, 6 (8), 1963, 25–35.

Sikorski, Roman (1920–1983)

1970 “The Polish Mathematical Society in the 25 years of People’s Poland,” *Review of the Polish Academy of Science*, 15 (1970), 78–85.

Simons, Peter M.

1978 “Logic and Common Names,” *Analysis*, 38, 161–167.

1980 “Individuals Groups and Manifolds,” in: F. Haller and W. Grassi (eds), *Language, Logic and Philosophy*, Vienne : Hölder-Pichler-Tempsky.

1981 “A note on Leśniewski and free logic,” *Logique et Analyse*, 24 (1981), 415–420.

1982a “Three Essays in Formal Ontology,” in: B. Smith (ed.), *Parts and Moments, Studies in Logic and Formal Ontology*, Munich: Philosophia Verlag, 111–260.

1982 “On understanding Leśniewski,” *History and Philosophy of Logic*, 3 (1982), 165–191.

Cited by Lepage 2009.

1983 “A Leśniewskian language for the nominalistic theory of substance and accident,” *Topoi*, 2 (1), June 1983, 99–109.

1984a “A Brentanian basis for Leśniewskian logic,” *Logique et Analyse*, ?? (1984), 297–307.

1984b “Les’s logic and its relation to classical and free logics,” pp. 369–400 in *Foundations of Logic and Linguistics: Problems and their Solutions*, edited by P. Weingartner and G. Dorn, New York: Plenum.

1985a “A semantics for ontology,” *Dialectica*, 39 (1985), 193–216. Colloquium on Stanisław Leśniewski’s Ontology (Neuenburg, 1984).

Presents semantic tables for functors. As the author realizes the approach is limited to small finite domains [Canty, 87j:03030]

1985b “Leśniewski’s logic and its relation to classical and free logic,” pp. ???? in *Foundations of Logic and Linguistics: Problems and Solutions*, edited by G. Dorn and P. Weingartner. New York, 1985.

1987a *Parts. A Study in Ontology*, Oxford University Press, 1987, 390 pp. Reviewed by Frederick Doepke, *Noûs*, 25 (1991), 392–396. JSTOR.

Have D review.

1987b “Bentano’s reform of logic,” *Topoi*, 6 (1987), 25–38.

1992 *Philosophy and Logic in Central Europe from Bolzano to Tarski*, Dordrecht: Kluwer (Nijhoff International Philosophy Series 45), 1992. 441 pp. Springer: ISBN 978-0-7923-1621-3. Reviewed by Gabriel Falkenberg in “A hundred years of analytic philosophy,” which is [on line](#), *Mathesis universalis*, 1 (1996).

This book with an introduction by Witold Marciszewski, views the history of philosophy and logic from 1837 to 1939 from the perspective of the cradle of modern exact philosophy — Central Europe. In a series of case studies, it illuminates the developments in this region, most notably in Austria and Poland, examining thinkers such as Bolzano, Brentano, Meinong, Husserl, Twardowski, Lesniewski, and Tarski, as well as the logicians like Frege and Russell

with whom they bore a close resemblance. The book challenges established views about the history of philosophy and logic in Europe, and shows the vitality of the Central European tradition.

- 1992 “Lesniewskan term logic,” *Lingua e Stile*, 25–46.
- 1993 “Nominalism in Poland,” pp. 207–231 in Coniglione, Poli & Wolenski 1993.
- 1995 Lesniewski and Ontological Commitment, in: D. Miéville and D. Vernant (éds), Stanislaw Lesniewski aujourd’hui, Grenoble / Neuchâtel: Groupe de Recherches sur la philosophie et le langage / Centre de Recherches Sémiologiques, 103–119.
- 2001 “Are all existential Parts analytically essential,” *Méréologie et modalités. Aspects critiques et développements*, Université de Neuchâtel: Travaux de logique, 14 (2001), 129–149.
- 2002 “Reasoning on a tight budget: Leśniewski’s nominalistic metalogic,” *Erkenntnis*, 56 (2002), 99–122. [First page](#).
- 1994 “Leśniewski and generalized quantifiers,” *European Journal of Philosophy*, 2 (1994), 65–84.
- 2006 “Real wholes, real parts: Mereology without algebra,” *Journal of Philosophy*, 103 (12), December 2006, 579–613.
- 2006a “Things and truths: Brentano and Lesniewski, ontology and logic,” pp. 83–106 in Chrudzimski and Łukasiewicz 2006. The first four pages are available on Google Books. Available as an e-book in the USMA library.
- 2007 “Stanisław Leśniewski,” *The Stanford Encyclopedia of Philosophy*, [Full text](#)
- 2008 Deals with Tarski’s theory of truth with nomanalistic restrictions and his conflicting ontological attitude with Leśniewski. In Peterson 2008. Need details.
- 2009 “Leśniewski’s logic,” in *The Handbook of the History of Logic, Volume 5, Logic from Russell to Church*, Elsevier, 305–320. Edited by Dov M. Gabbay and John Woods. [First page](#).
- 2018a “Stanisław Leśniewski: Original and uncomprising logical genius,” pp. 209–221 in *The Lvov-Warsaw School. Past and Present*, edited by Ángel Garrido and Ursula Wybraniec-Skardowska.
- 2018b “Leśniewski and mereology,” pp. 337–359 in *The Lvov-Warsaw School. Past and Present*, edited by Ángel Garrido and Ursula Wybraniec-Skardowska.
- 2018c “Czesław Lejewski: Propagator of Lvov-Warsaw ideas abroad,” pp. 499–504 in *The Lvov-Warsaw School. Past and Present*, edited by Ángel Garrido and Ursula Wybraniec-Skardowska.

Sinisi, Vito F. (1924–2005)

- 1962 “Nominalism and common names,” *Philosophical Review*, 71 (1962), 230–235.
- 1964 “Kotarbiński’s theory of genuine names,” *Theoria*, 30 (1964), 80–95.

- 1965 “Discussion: “ ε ” and common names,” *Philosophy of Science*, 32, no. 3/4 (July–October 1965), 281–286. [JSTOR](#).
- 1965a “Kotarbiński’s theory of pseudo-names,” *Theoria*, 31 (1965), 218–241.
- 1966 “Leśniewski’s analysis of Whitehead’s theory of events,” *Notre Dame Journal of Formal Logic*, 7 (1966), 323–327. [Full text](#).
Contains an English translation of a long footnote form “O podstawach matematyki” which deals with Whitehead’s theory of events. This footnote is thus not reproduced in Leśniewski 1983.
- 1967 “A few comments on “A few comments on concretism”,” *Theoria*, 33 (1967), 72–77.
- 1969 “Leśniewski and Frege on collective classes,” *Notre Dame Journal of Formal Logic*, 10 (1969), 239–246. [Full text](#).
Discusses Leśniewski’s refutation of Frege’s claim that one can have a class of a single object. Cited by Betti 2008.
- 1976 “Leśniewski’s analysis of Russell’s antinomy,” *Notre Dame Journal of Formal Logic*, 17 (1976), 19–34. [Full text](#).
An analysis of Leśniewski 1914, which is Leśniewski’s first analysis of the Russell antinomy. His second, from about the same time was not published until Chapter II of Leśniewski 1927. The third and definitive analysis is in Sobociński 1949.
- 1983 “Leśniewski’s foundations of mathematics,” *Topoi*, 2 (1), June 1983, 3–6. [First page](#).
This is the introduction to his translation Leśniewski 1983.
- 1983a “The development of ontology,” *Topoi*, 2 (1), June 1983, 53–61.
This is a summary (not a translation) of Chapter XI of Leśniewski’s “O podstawach matematyki,” which deals with ontology. The only deduction here is that of the long (1920) axiom of ontology.
- 2000 *Applied Logic*, Lanham, MD: University Press of America, 2000. ISBN 0761816976. Need to find a copy and see if this is relevant.

Sinisi, Vito, and Woleński, Jan

- 1995 *The Heritage of Kazimierz Ajdukiewicz*, ISBN 9051838085.

Skidmore, Arthur (Died 2004)

- 1973 “Existence and the existential quantifier,” *International Logic Review*, 8 (1973), 280–283.

Skolomowski, Henryk (Born 1930)

- 1967 *Polish Analytical Philosophy. A Survey and a Comparison with British Analytical Philosophy*, New York: The Humanities Press. <https://babel.hathitrust.org/cgi/pt?id=uc1.b3920575view=1upseq=9>

Śleszyński, Jan (1854–1931)

1921 *O Logice Tradycyjnej* (On Traditional Logic), Wydawnictwo Towarzystwa Filozoficznego w Krakowie, no. 8, Krakow.

See Obojska

Słomska, A.

1978 “Leśniewski o istocie prawdy i roli nauki,” *Studia Filozoficzne*, 1978, no. 3, 67–77.

1979 *Znaczenie wczesnych prac Leśniewskiego dla rozwoju*, Wyższa Szkoła Pedagogiczna w Częstochowie: Częstochowa, 1979.

Słupecki, Jerzy (1904–1987)

Picture

1946 “Uwagi o sylogistyce Arystotelesa” (Remarks on the syllogistic of Aristotle), *Annales Universitatis Mariae Curie-Skłodowska* (Lublin), section F, vol. 1, 187–191, with a French summary. Reviewed by R. Suszko, *Journal of Symbolic Logic*, 13 (1948), 165–166; by H. Hiż, MR0026015; and by B. Bednarowski in *Mind*, 58 (1949), 542–545.

1948 *Z badan nad sylogistyka, Arystotelesa* (Recherches sur la syllogistique d’Aristote), Wrocław: Państwowy Instytut Wydawniczy, (Travaux de la Société des Sciences et des Lettres de Wrocław, séries B, n° 6), 30p.

1953 “Über die Regeln des Aussagenkalkuls,” *Studia Logica*, 1 (1953), 19–40.

Leśniewski is mentioned several times. I don’t believe he mentions definitions, but must check.

1954 “Stanisław Leśniewski’s protothetics,” *Studia Logica*, 1 (1953), 44–112. MR0068496 by Henry Hiż.

1955 “S. Leśniewski’s calculus of names,” *Studia Logica*, 3 (1955), 7–76. MR0078302 by Henry Hiż. Reprinted in Szrednicki, Rickey & Czelakowski 1984, pp. 59–122. [JSTOR](#).

Based on notes of Leśniewski’s students

1955b “System logiczny bez operatorów,” (A logical system without operators,), *Studia Logica*, 3 (1955), 98–108. English summary on pp. 122–124.

Check page numbers on all of these.

1956 “Geometria sześcianów” (The geometry of cubes), *Zeszyty Naukowe Wyższej Szkoły Pedagogicznej w Opolu, Matematyka*, 1 (1956), 38–47.

1958 “Towards a generalized mereology of Leśniewski,” *Studia Logica*, 8 (1958), 131–154. Polish and English summaries, pp. 155–163. [Citation](#).

1968 Logic in Poland, pp. 190–201 in Klibansky 1968 . Reviewed by Church, *JSL*, 40 (1975), 472.

1971 Leśniewski, Stanisław (1886–1939), *Filozofia w Polsce: Słownik pisarzy* (La philosophie polonaise: dictionnaire des auteurs), Wrocław: Zakład Narodowy im. Ossolinskich, 221–224.

1972 Lesniewski, Stanislaw (1886-1939), *Polski Słownik Biograficzny*, vol. 17, pp. 177–179. Wrocław: Zakład Narodowy im. Ossolinskich.

1972 “Warszawska szkoła logiczna” (The Warsaw school of logic), *Wiadomości Matematyczne*, 15 (1972), 65–72.

Discusses some aspects of the genesis and early years of the Warsaw School of Logic, emphasizing contributions of Łukasiewicz and Leśniewski.

Smart, John J. C.

1956 Review of Prior [1955a], *The Australasian Journal of Philosophy* 34 (1956), 1 18-126. Something is wrong here.

Smirnov, Vladimir Alexandrovich

1965 Modelirovaniye mira v strukture logicheskikh jazykov (La modélisation du monde dans la structure des langages logiques), *Logic and Methodology of Science* (Proc. 4th All-Union symp., Kiev, 1965), Moscow, 117-125.

1983 “Embedding the elementary ontology of Stanisław Leśniewski into the monadic second-order calculus of predicates,” *Studia Logica* 42 (1983), 197–207. Author’s summary in MR0763186. Mentioned in MR763178 An error in this paper has been repaired by Takano 1987.

Cites a paper of Iwanuś 1973.

1986 “A correction to: “Embedding the elementary ontology of Stanisław Leśniewski into the monadic second-order calculus of predicates,”” *Studia Logica* 45 (1986), no. 2, 231. MR0877313 (88a:03066).

1987a “Strict embedding of the elementary ontology into the monadic second-order calculus of predicates admitting the empty individual domain,” *Studia Logica*, 46 (1).

1987b *Logicheskiji Metodi Analiza Nauchnoma Znanija*, Moscow: Nauka, 1987, 256 pp. Reviewed by Johan van Benthem, *Studia Logica*, 48 (1989), 135-136.

Have review

1993 “The definitional equivalence of Leśniewski’s elementary ontology and a generalized Occam-type syllogistics,” (Russian) *Logical investigations*, No. 2, 17–31, “Nauka”, Moscow, 1993. Listed MR1607582.

Smith, Barry

1993 “Ontology and the Logistic Analysis of Reality,” 1993. [Full text](#).

1994 *Austrian Philosophy. The Legacy of Franz Brentano*, Chicago and LaSalle, IL: Open Court, 1994.

Chapter 6 deals with Twardowski.

1996 “Merotopology: A theory of parts and boundaries,” *Data & Knowledge Engineering*, 20 (1996), 287–303. [Full text](#).

“Topological foundations of cognitive science.” [Full text](#).

2006 “Why Polish philosophy does not exist,” pp. in Jadecki and Pasniczek [Full text](#).

Have copy.

Smith, Barry and Mulligan, Kevin

1983 “Framework for formal ontology,” *Topoi*, 3 (1983), 73–85. [Full text.](#)

Have copy.

Sobociński, Bolesław (1906–1980)

NOTE: Rickey has reprints of many papers by Sobociński and will send them on request.

1932 “Z badań nad teorią dedukcji” (Investigations into the theory of deduction), *Przegląd Filozoficzny*, 35 (1932), 171–193.

Gives six new single axioms for the equivalential calculus, one discovered by Bryman, two by Łukasiewicz, and three by himself.

1934 “O kolejnych uproszczeniach aksjomatyki “ontologii” Prof. St. Leśniewskiego,” *Księga pamiątkowa ku uczczeniu 15-lecia pracy nauczycielskiej w Uniwersytecie Warszawskim Prof. Tadeusza Kotarbińskiego* [= *Przegląd Filozoficzny*, vol. 35], Warsaw, 1934, pp. 143–160. 1967a is an English translation.

1939 “Z badan nad prototetyka,” *Collectanea Logica* 1 (1939), 171–177. English translations: 1949a and 1967a.

1949 “An investigation of protothetic,” *Cahiers de l’Institut d’Études Polonaises en Belgique*, no. 5. Polycopié. Brussels 1949, v + 44 pp. Reviewed by Alonzo Church, *Journal of Symbolic Logic*, 15 (1950), 64. Because only part of this paper has been reprinted, we make a copy of the original available here. The original was mimeographed so the quality is not good. Part 1, Part 2, Part 3. Sobociński 1967b is a new English translation A quick glance at the original will show that the English in the first six pages of Sobociński 1988 has been cleaned up considerably.

1949a “L’analyse de l’antinomie russelienne par Leśniewski,” *Methodus*, vol. 1 (1949), 94–107, 220–228, 308–316, vol. 2 (1950), 237–257. Reviewed by Prior, *Journal of Symbolic Logic*, 18 (1953), 331–333. Sobociński 1984 is an English translation.

1953a Z badan nad aksjomatyka prototetyki Stanisława Lesniewskiego (Recherches sur l’axiomatique de la protothétique de S. Lesniewski), *Polskie Towarzystwo Naukowe Na Obczyźnie, Rocznik* 4 [1953-54 in 1954], 18-20.

1953b “On a universal decision element,” *The Journal of Computing Systems*, 1 (1953), 71–80.

1954 “Studies in Leśniewski’s mereology,” *Rocznik Polskiego Towarzystwa Naukowego na Obczyźnie* [5th Yearbook of the Polish Society of Arts and Sciences Abroad] (London), rok 1954–55, vol. 5, 34–43. Reprinted in Szrednicki, Rickey & Czelakowski 1984, pp. 217–227.

1954a “Z badań nad aksjomatyka prototetyki Stanisława Leśniewskiego,” *Rocznik Polskiego Towarzystwa Naukowego na Obczyźnie* (London), rok 1953–54 (published 1954), 18–20. Reviewed by Czesław Lejewski in *Journal of Symbolic Logic*, 21 (1956), 325. JSTOR.

1955 “Studies in Leśniewski’s mereology,” *Rocznik Polskiego Towarzystwa Naukowego na Obczyźnie* (London), rok 1954–55 (published 1955), 34–43. Reviewed by A. N. Prior, *Journal of Symbolic Logic*, 21 (1956), 325–326. JSTOR.

He states, in note 13, that two definitions given in this paper are creative in mereology. These are functors of category $N/N N N (N/N N)$. The proof of this claim has never been published.

1956 “On well constructed axiom systems,” *Rocznik Polskiego Towarzystwa Naukowego na Obczyźnie* (London), vol. 6 (for 1955–56, published 1956), 54–65. [Full text](#). Reviewed by Hughes Leblanc in *Journal of Symbolic Logic*, 22 (1957), 358–359, which is in JSTOR. Polish translation as “W sprawie dobrze skonstruowanej aksjomatyki,” translated by Józef Andrzej Stuchliński, *Filozofia Nauki*, 12 (2004), 123–136.

Cited by Betti 2008,

1956 “In memoriam, Jan Łukasiewicz (1878–1956),” *Philosophical Studies*, (Maynooth, Ireland) 6 (1956), 3–49. This English version of 1957a contains a “Curriculum vitae of Jan Łukasiewicz,” which is essentially the same as Łukasiewicz 1994. This also has a list of the publications of Łukasiewicz.

Have copy.

1957a “Jan Łukasiewicz (1878-1956),” *Polskie Towarzystwo Na Obczyźnie, Rocznik*, 7 (1956-57; published 1957), 3–21. This is a Polish version of 1956. It contains some information not in the English version of 1956.

Have copy.

1957 “La génesis de la Escuela Polaca de Lógica,” *Oriente Europeo* (Madrid), vol. 7, no. 25 (1957), 83–95. Reviewed by José Ferrater Mora, *Journal of Symbolic Logic*, 25 (1960), 63–64.

1960 “On the single axioms of protothetic, I, II, III,” *Notre Dame Journal of Formal Logic*, 1 (1960), 52–73, 2 (1961), 111–126 and 129–148. Reviewed by Atwell R. Turquette, *Journal of Symbolic Logic*, 30 (1965), 245–246.

1967a “Successive simplifications of the axiom-system of Leśniewski’s ontology,” pp. 188–200 in McCall 1967. A translation of Sobociński 1934.

1967b “An investigation of protothetic,” pp. 201–206 in McCall 1967.

This paper was to appear in 1939 in the ill-fated volume *Collectanea Logica* under the title “Z badań nad prototetyka.” An earlier English publication of this paper is Sobociński 1949, but only pp. 29–39 of that work is included here. A footnote indicates that this is a new translation from the Polish by Z. Jordan; this means that an offprint must have survived.

1971a Lattice-Theoretical and Mereological Forms of Hauber’s Law, *Notre Dame Journal of Formal Logic*, 12, 81-85.

1971 “Atomistic mereology. I,” *Notre Dame Journal of Formal Logic*, 12 (1971), 89–103. [Full text](#).

1971c “A note on an axiom-system of atomistic mereology,” *Notre Dame Journal of Formal Logic*, 12 (1971), 249–251.

1975 “Concerning the postulate-systems of subtractive abelian groups,” *Notre Dame Journal of Formal Logic*, 16 (1975), 429-444.

1984 “Leśniewski’s analysis of Russell’s paradox,” English translation of Sobociński 1949–1950 by Robert E. Clay. Published in Szrednicki, Rickey & Czelakowski 1984, pp. 11–44.

Cited by Lepage 2009.

Courses taught by Sobociński at the University of Notre Dame:

Spring 1962: Symbolic Logic, Philosophy 112. An elementary course in ontology. This is the first course taught by Sobociński that Rickey attended. The notes that he took, 232pp, will be posted here in due course.

Spring 1964: Ontology, Philosophy 273. Advanced ontology. Rickey's notes consist of 284 holograph pages.

Solonin, J. N.

1969a Teorija jazyka v rannich rabotach St. Lesniewskogo (La théorie du langage dans les premières oeuvres de S. Lesniewski), Problems of Philosophy and Sociology, 1st out, Leningrad University pub., 103–107.

1969b Glavnyje certy logiko-matematicheskoy sistemy St. Lesniewskogo (Principaux aspects des systèmes logico-mathématiques de St. Lesniewski), Vestnik Leningradskogo universiteta, ser. Ekonomika, filosofija, pravo 23, 93–103.

1970 Logiceskije issledovanija St. Lesniewskogo (Les recherches logiques de St. Lesniewski), Autorreferat of thesis, Leningrad university.

1975 Propositional Calculus with Variable Functors, Contributed Papers, to the Fifth International Congress of Logic, Methodology and Philosophy of Science, London, Ontario, Canada, 27 August - 2 September, 1975, pages XII-53 and XII-54.

Mentions Leśniewski 1929 and Łukasiewicz 1950. No new results.

Srzednicki, Jan T.J.

1976 "On being a (material) object," pp. 31–38 in *XXIInd Conference on the History of Logic, 5-9 July 1976, Krakow*.

Srzednicki, Jan T. J., Rickey, V. Frederick, and Czelakowski, J., editors.

1984 *Leśniewski's Systems: Ontology and Mereology*, The Hague: Martinus Nijhoff, 1984. Springer: ISBN 978-90-2879-4. Contains Kruszewski 1984, Sobociński 1984, Lejewski 1954, Śłupecki 1955, Lejewski 1958, Cauty 1969, Iwanuś 1973, Sobociński 1954, Clay 1966, Lejewski 1969, Clay 1970 and Clay 1974.

Srzednicki, Jan T. J., and Stachniak, Zbigniew, editors.

1998 *Leśniewski's Systems: Protothetic*, Dordrecht: Kluwer. 1998. Springer: ISBN 978-0-7923-4504-6. Contains an introduction by Stachniak, Leśniewski 1929 and 1938, Sobociński 1960, Śłupecki 1953, Tajtelbaum-Tarski 1923, Simons 1993, Rickey 1977 and 1973, Sobociński 1949 and Le Blanc 1985. Reviewed by Arianna Betti, *Studia Logica*, 68 (2001), 401–404.

1988 *S. Leśniewski's Lecture Notes in Logic*. Dordrecht: Kluwer, 1988. xii+183 pp. Springer: ISBN 978-90-247-3416-0. Reviewed by Cauty, MR1029279 (90m:03002). Also listed as Leśniewski
????

Have copy.

There is an excellent review of this volume by Peter in *History and Philosophy of Logic*, 11(1990), 107–110.

Have copy.

Stachniak, Zbigniew

- 1981 *Introduction to Model Theory for Leśniewski's Ontology*, Acta Universitatis Wratislaviensis 586 = Prace Filozoficzne, 31, Logika 9. Wrocław: Wydawnictwo Uniwersytetu Wrocławskiego, 1981. 76pp. This is his doctoral dissertation under the direction of Bogusław Iwanuś. Other members of his doctoral committee were Tadeusz Kuubiński and Katarzyna Hałkowska. Have copy.
- 1992 “How Leśniewski proved the relative consistency of mereology,” (Polish) *Zeszyty Naukowe Wyższej Szkoły Pedagogicznej w Opolu. Matematyka*, 28 (1992), 97–103. MR1381274. Issue dedicated to Professor Jerzy Śłupecki.
- 1998 “On finitely-valued inference systems,” *Studia Logica*, 61, 149–169. [Reference and first page.](#)

Staszek, Walenty

- 1969 “Z badań nad klasyczną logiką nazw (Sur la logique classique des noms),” *Studia Logica*, 25, 169–188.
- 1973 “Elementarna ontologia Leśniewskiego jako fragment teorii mnogości Zermelo (L’ontologie élémentaire de Leśniewski comme fragment de la théorie des ensembles de Zermelo),” *Studia Filozoficzne*, 2 (87), 91–98.

Stelzner, Werner

- 1976 “Functor variables, function variables, and quasifunctors,” *XXIIInd Conference on the History of Logic, 5-9 July 1976, Krakow*, 39–42.

Sternfiel, Robert

- 1966 *Frege's Logical Theory*, Carbondale and Edwardsville: Southern Illinois University Press.

Stevenson, L.

- 1973 “Frege’s two definitions of quantification,” *Philosophical Quarterly*, 23, 207–223.

Stone, Marshall H. (1903–1989)

- 1937 “Note on formal logic,” *American Journal of Mathematics*, 59 (1937), 506–514. Reviewed by W. V. Quine, *Journal of Symbolic Logic*, 2 (1937), 174–175. [JSTOR](#). Have review by Q.
- This is one of the earliest references to Leśniewski in English. Have copy.

Stonert, Henryk (1923–1992)

- 1959 *Definicje w naukach dedukcyjnych* (Les définitions dans les sciences déductives), Łódź: Zakład Narodowy im. Ossolińskich we Wrocławiu.

Stuchliński, Józef Andrzej

- 1994 “Pragmatyczno-logiczna zasada sprzeczności. W obronie Arystotelesa. *Filozofia Nauki* 1. Jan Łukasiewicz distinguished three various formulations of the law of contradiction in Aristotle’s considerations concerning axiomatic foundations of *philosophia prima* in the book Γ

of *Methaphysics*. Łukasiewicz referred to these formulations as “ontological,” “logical,” and “psychological,” respectively. The author focuses his attention on the last of them, namely to the so called psychological approach. He finds this approach to be an inadequate interpretation of Aristotle’s views and tries to show that the most appropriate interpretation is pragmatic-logical.

- 1999 “Mereologia Leśniewskiego a zagadnienia przyrodoznawstwa” (Leśniewski’s mereology and natural science topics), *Przegląd Filozoficzny*, Nowa Seria, 31 (3), 109–120.
- 2000 “Systemy dedukcyjne Leśniewskiego — podstawy filozofii i matematyki,” *Filozofia Nauki*, 8, no. 3–4, pp. 69–108.
- 2001 “Założenia strukturalnoopisowej metody metalogiki systemów Leśniewskiego,” *Filozofia Nauki*, 9 (2001), no. 3, 159–164.
- 2002 *Definicja zdania prawdziwego w języku logiki i językach opartych no logice* (The definition of a true sentence in the language of logic and languages based on logic), Warsaw: Faculty of Philosophy and Sociology, University of Warsaw 2002. 264 pp., 24 cm.
Warszawa, 2002. The above three items are cited by Pietka 2006.
- 2004 “[W sprawie dobrze skonstruowanej aksjomatyki](#),” *Filozofia Nauki*, 12/1, 123–136. Polish translation of Sobociński 1956 by Józef Andrzej Stuchliński.

Sullivan, Theodore F.

- 1969 *Contributions to the Foundations of the Geometry of Solids*, Ph.D. dissertation, University of Notre Dame, under the direction of Robert E. Clay.
- 1971 “Affine geometry having a solid as primitive,” *Notre Dame Journal of Formal Logic*, 12 (1971), 1–61. [Full text](#).
- 1972a “The name solid as primitive in projective geometry,” *Notre Dame Journal of Formal Logic*, 13 (1972), 95–97. [Full text](#).
- 1972b “On certain equivalence classes of spheres in L^P spaces,” *Notices of the American Mathematical Society*, 19, A-29.
- 1973a “The geometry of solids in Hilbert spaces,” *Notre Dame Journal of Formal Logic*, 14 (1973), 575–580. This is part of his dissertation, 1969. [Full text](#).
- 1973b “Tarski’s definition of point in Banach spaces,” *Journal of Geometry* 3, 179–189.

Sundholm, Göran

- 1993 “Tractatus expressions and their use in constructive mathematics,” pp. 105–118 in *Philosophy of Mathematics. Proceedings of the 15th International Wittgenstein-Symposium, Kirchberg am Wechsel 1992, Part I*, edited by Johannes Cermak, Vienna: Verlag Hölder-Pichler-Tempsky, 1993.

Although mainly devoted to Wittgenstein, the “prickliness” between Leśniewski and Tarski is discussed.

2003 “Tarski and Leśniewski on languages with meaning verses languages without use,” pp. 109–128 in Hintikka et al. 2003. Google Books has [full text](#).

Have copy.

Deals with relations between Leśniewski and Tarski as well as the Leśniewski-Sierpiński conflict. Cited by Feferman 2002, note 26, and Betti 2008, p. 70.

Suppes, Patrick (Born 1922)

1957 *Introduction to Logic*, New York: van Nostrand. See Myhill 1959.

1970 “Probabilistic grammars for natural languages,” *Synthese*, 22 (1970), 95–116.

1973 “Problems in the philosophy of space and time,” pp. 392–395 in P. Suppes (editor), *Space, Time and Geometry*, Dordrecht/Boston: Reidel.

Surma, Piotr

2011 *Poglądy filozoficzne Jana Łukasiewicza a logiki wielowartościowe*, Publisher: Semper.

Surma, Stanisław J.

1971a Method of Natural Deduction in Equivalential and Equivalential-Negational Propositional Calculus, Universitas Iagellonica Acta Scientiarum Litterarumque, Schedae Logicae 6, Krakow, 55-56.

1971b Przegląd wyników i metod badań nad równoważnościowym rachunkiem zdań (Compte rendu des résultats et des méthodes du calcul équivalenciel des propositions), *Ruch Filozoficzny* 29, 284-290.

1972a A Uniform Method of Proof of the Completeness Theorem for the Equivalential Propositional Calculus and for some of its Extension, Universitas Iagellonica Acta Scientiarum Litterarumque, Schedae Logicae 7, Krakow, 35-50.

1972 “A survey of the results and methods of investigations of the equivalential propositional calculus,” *Zeszyty Nauk. Uniw. Jagiello. Prace z Logiki Zeszyt*, 7 (1972), 51–75. Reprinted in Surma 1973, pp. 33–62.

MR0497904 (58 #16119) quotes from the author’s introduction: “This paper deals with the most important results and methods of investigations of the equivalential propositional calculus and some of its extensions. It contains, among other results, the description of the well-known criteria discovered by S. Leśniewski, M. H. Stone and E. Gh. Mihailescu as well as the achievements of Łukasiewicz’s seminar in mathematical logic in the thirties. The last section contains a brief treatment of the author’s deduction theorems valid in the equivalential propositional calculus.”

1973a *Studies in the History of Mathematical Logic*, Wrocław: Polish Academy of Sciences, Institute of Philosophy and Sociology. Contains Surma 1972a.

1973 *Studies in the History of Mathematical Logic*, Polish Academy of Sciences, 1973, 288pp. Surma is the editor of this volume of 17 papers, including Surma 1972. Reviewed by Kubiński, *Studia Logica*, 33 (1974), 314–316.

- 1973b A Survey of the Results and Methods of Investigations of the Equivalential Propositional Calculus, in: S.J. Surma (ed.), [1973a], 33-62.
- 1973c A Uniform Method of Proof of the Completeness Theorem for the Equivalential Propositional Calculus and for Some of its Extensions, in: S.J. Surma (ed.), [1973a], 63-80.
- 1976a *XXIInd Conference on the History of Logic, 5-9 July, 1976*, Jagiellonian University and Polish Academy of Sciences, Kraków, 1976. This volume of abstracts was distributed at the meeting. Included are Gardies 1976, Scharle 1976 [add all items].
- 1977a “On the work and influence of Stanisław Leśniewski,” pp. 191–220 in *Logic Colloquium 76*, edited by Robin O. Gandy and Martin Hyland, Amsterdam: North Holland, 1977. This is Volume 87 in the series *Studies in Logic and Foundations of Mathematics*. This is a very nice survey of Leśniewski’s work.
- 1977b “Conference on Stanisław Leśniewski’s achievement,” *Studia Logica*, 36 (1977), 247–248. Have copy.
Description of the contents of his 1976a.

Suszko, Roman (1919–1979)

- 1949 “Z teorii definicji,” *Poznanskie Totwarzystwo Przyjaciol Nauk, Prace Komisji Filozoficznej*, 7, 403–431. Reviewed *JSL* 15, 223.
Introduces “quasi-definitions,” which “denote new axioms which contain new terms and which moreover, ‘determine unambiguously’ the extension of these terms. The last condition plays a similar role to that played by the condition of non-creativity and of translatability in the old theory of definitions.”
- 1958 “Syntactic structure and semantical reference. I, II,” *Studia Logica*, 8, 213–247 and 9, 63–93. With Polish and Russian summaries.
- 1977 “The Fregean axiom and Polish mathematical logic in the 1920^s,” *XXIInd Conference on the History of Logic, 5-9 July 1976*, Krakow. Also in *Studia Logica*, 36(4), 377–380. [JSTOR](#).

Szaniawski, Klemens, editor (1925–1990)

- 1989 *The Vienna Circle and the Lvov-Warsaw School*, Dordrecht: Kluwer, 1989.

Święczkowska, Halina

- 2015 “On the formal approach to describing natural language. Notes on the margin of Leśniewski’s ontology,” *Studies in Logic, Grammar and Rhetoric*, 42 (55), 67–78.
This article is an attempt to recreate the intuitions which accompanied Leśniewski when he was creating his calculus of names called Ontology. Although every reconstruction is to some extent an interpretation, and as such may be defective, still, there are reasons justifying such reconstruction. The most important justification is the fact that both Leśniewski and his commentators stressed that ontology originated from reflections about ordinary language, in which sentences such as A is B appear in one of the meanings associated with them in Ontology, and that the users of the Polish language use such sentences accordingly and properly identify them. Assumed it is so, let us try, based on Leśniewski’s guidelines as well as comments and

elaborations on Ontology (Leśniewski 1992: 364-382, 608-609; Kotarbiński 1929: 227-229; Rickey 1977: 414-229; Simons 1992: 244; Lejewski 1960: 14-29), to evaluate the accuracy of this approach, referring also to certain knowledge of the Polish language. To make it clear, this article is not about Ontology as a formal theory of language. It is solely an attempt to assess whether some syntactical constructs of the Polish language and this language's properties are significant conditions of a proper understanding of Ontology, and whether Ontology is, in fact, in a relationship with the ethnic language of its author.

Świetorzęcka, Kordula

2018 “Bolesław Sobociński. The Ace of the Second Generation of the LWS,” pp. 599–613 in *The Lvov-Warsaw School. Past and Present*, edited by Ángel Garrido and Ursula Wybraniec-Skardowska.

Świetorzęcka, Kordula and Porwlik, Marek

2018 “Bolesław Sobociński on universals: Leśniewski's nominalism and Sobociński's metaconceptualism,” pp. 615–632 in *The Lvov-Warsaw School. Past and Present*, edited by Ángel Garrido and Ursula Wybraniec-Skardowska.

Szachniewicz, Artur

2017 “Czy monady mają części? Witkiewicz i jego krytyka mereologii jako ontologii” (Have Monads Any Parts? Witkiewicz on Mereology as Ontology), *Analiza i Egzystencja: czasopismo filozoficzne*, 37, 79-99.

This paper reconstructs Stanisław Ignacy Witkiewicz's understanding of logic, accentuating the differences in his evaluation of logic and systems of 'logistics.' Leśniewski's theory of collective sets (mereology) exemplifies logistics as understood by Witkiewicz. I present an outline of Leśniewski's nominalism, which entails a belief in a non-abstract nature of sets. I focus on these features of mereology that could have led Witkiewicz to interpreting it as an ontological system. Witkacy (Witkiewicz's penname) was skeptical of the usefulness of formal systems (or logistics), and of mereology in particular, for the purposes of designing a unified ontological system describing essential properties of objects (the world). According to Witkiewicz, such formal systems assumed the role of ontology but severely lacked in philosophical justification. I argue that regardless of his nominalism and corporeal conception of individuals, mereology cannot be considered a formal theory of Witkiewicz's monads.

Sznajder, Roman

2010 “906th anniversary of emergence of the Polish School of Mathematics; Polish mathematics between the world wars,” an extended version of the presentation given at HPM Americas, March 13–14, 2010, Washington, D.C. [Full text](#)

Have copy.

As the title indicates this is primarily about the mathematicians, but several logicians are mentioned.

Takano, Mitio

1985 “A semantical investigation into Leśniewski's axiom of his ontology,” *Studia Logica*, 44 (1985), 71–77. Reviewed by Canty, MR0811203 (87c:03061). JSTOR.

Have copy.

Have C review.
Need to read this carefully.

1987 “Embeddings between the elementary ontology with an atom and the monadic second-order predicate logic,” *Studia Logica*, 46 (1987), no. 3, 247–253. Reviewed by Peter M. Simons, MR0938718 (89c:03052).

Cites a paper of V. A. Smirnov.

1994 “A sequent calculus for the Leśniewskian modal logic,” *Annals of the Japan Association for Philosophy of Science*, 8 (1994), no. 4, 191–201.

Tanaka, Shotaro

1966a “On axiom systems of propositional calculi. XVIII,” *Proceedings of the Japan Academy*, 42, 355–357.

The equivalential calculus can be axiomatized with $EEpqEEprErq$ as a single axiom.

1966b “On axiom systems of propositional calculi. XX,” *Proceedings of the Japan Academy*, 42, 361–363.

The equivalential calculus can be axiomatized with $EEpqEqp$ and $EEpEqrEEsqEsEpr$.

1966c “On the propositional calculus with a variable functor, $C\delta qC\delta Np\delta q$,” *Proceedings of the Japan Academy*, 42, 1161–1163.

Derives the CN -calculus from the thesis mentioned in the title.

1968a “On axioms of ontology,” *Proceedings of the Japan Academy*, 44, 54–55. MR#2574.

Contains a proof that Leśniewski’s 1921 axiom F for ontology implies his 1920 axiom A . A simpler proof is in Sobociński1967.

1968b “On theorems of ontology,” *Proceedings of the Japan Academy*, 44, 231–233. MR#2575.

Shows that strict inclusion can be used as a primitive term of ontology.

1969a “On the proposition $C\delta CpqC\delta p\delta q$ with a variable functor,” *Proceedings of the Japan Academy*, 45, 95–96.

Derives the implicational calculus from the thesis mentioned in the title.

1969b “Leśniewski’s protothetics $S1$, $S2$. I, II, III,” *Proceedings of the Japan Academy*, 45, 97–101, 259–262, 263–265.

Proves, in the notation of Ślupecki 1955, that every thesis of $S2$ is a thesis of $S1$.

1970 “On axiom systems of ontology. I, II,” *Proceedings of the Japan Academy*, 46, 255–257, and 47, 177–179.

Proof that Leśniewski’s 1921 axiom F is equivalent to his 1920 axiom A . His proof that F implies A uses extensionality and, consequently, is more complicated than the same result in his 1968a.

Tarski, Alfred (1901–1983)

- 1921 “Przyczynek do aksjomatyki zbioru dobrze uporządkowanego” (A contribution to the axiomatic of well-ordered sets), *Przegląd Filozoficzny*, 24 (1921), 85–94. Photographic reproduction in 1986, vol. 1, 3–12.

This is Tarski’s first publication. It was a report to Leśniewski’s seminar (this is the only mention of Leśniewski in the paper). Later Tarski made a “big deal” of this, claiming that because of this work he changed from the study of biology to logic. This is disputed in Feferman and Feferman 2004, p. 26–27.

- 1923 “O wyrazie pierwotnym logistyki. Teza doktorska,” (On the primitive term of logistic. Doctoral thesis), *Przegląd Filozoficzny*, 26 (1923), 68–89.

This is the doctoral dissertation of Tarski written under the direction of Leśniewski. A modified French version appears in Tarski 1923a and 1924. An English translation appears in Tarski 1956, pp. 1–23; this English translation is based partly on Tarski 1923a and 1924.

- 1923a “Sur le terme primitif de la Logistique,” *Fundamenta Mathematicae*, 4 (1923), 196–200. Photographic reproduction in 1986, vol. 1, 15–19. This author of this paper is given as “Alfred Tajtelbaum.”

Check out: <http://matwbn.icm.edu.pl/>

- 1924 “Sur les truth-fonctions au sens de MM. Russell et Whitehead,” *Fundamenta Mathematicae*, 5 (1924), 59–74. Photographic reproduction in 1986, vol. 1, 23–38. This author of this paper is given as “Alfred Tajtelbaum-Tarski.”

This paper contains the following paragraph (p. 61) which does not appear in Tarski 1956b: “Ma Note citée “*Sur le terme primitif de la Logistique*” et le Mémoire présente constituent deux parties de ma Thèse, présentée en 1923 à l’Université de Vasovie pour obtenir le grade de docteur en philosophie. A cette occasion je tiens à äexprimer ici mon affectueuse gratitude ää mes Professeurs MM. S. Leśniewski et J. ŁĄukasiewica pour leurs pécieux conseils qui m’ont aidé considérablement dans mes reserches sur la Logistique.”

Tarski’s family name was “Tajtelbaum.” “Official governmental approval [of the change of name to “Tarski”] was granted on 19 March 1924, and the change was duly registered at the university two days later, only three days before the examination and granting of the doctoral degree on 24 March 1924.” [Feferman and Feferman 2004, p. 39]. Sobociński related to Rickey that Polish law required the use of a hyphenated name for a period after the change. Thus the use of “Tajtelbaum-Tarski” on 1924.

- 1929 “Communicaion sur les recherches de la Théorie des Ensembles,” *Comptes rendus de séances de la Société des Sciences et de lettres de Varsovie XIX, Classe III*, 1929.

Lesniewski 1930a cites this paper in footnote 7, p. 608 of his 1992.

- 1929 Les fondements de la géométrie des corps, Księga Pamiatkowa Pierwszego Polskiego Zjazdu Matematycznego, supplément aux Annales de la Société Polonaise de Mathématique, Krakow, 29-33. Trad. angl. [1956a], fr. [1972c].

See Clay 1970 for a correction.

- 1930 O pojeciu prawdy w odniesieniu do sformalizowanych nauk dedukcyjnych (Sur la notion de vérité relativement aux sciences déductives formalisées), *Ruch Filozoficzny* 12, 210-211.

- 1930 “Fundamentale Begriffe der deduktiven Wissenschaften. I,” *Monatshefte für Mathematik und Physik*, 37 (1930), 361–404. English translation in Tarski 1956, 60–109.
- 1933 Pojęcie prawdy w językach nauk dedukcyjnych (Le concept de vérité dans le langage des sciences déductives), *Prace Towarzystwa Naukowego Warszawskiego, Wydział III, nauk matematycznofizycznych (Travaux de la Société des Sciences et des Lettres de Varsovie, Classe III, Sciences Mathématiques et Physiques)* 34, Warsaw. Trad. all. [1936a], angl. [1956a], fr. [1972d].
- 1935 Zur Grundlegung der Booleschen Algebra I, *Fundamenta Mathematicae* 24, 177–198. Trad. angl. in [1956a].
- 1936a Der Wahrheitsbegriff in den formalisierten Sprachen, *Studia Philosophica* 1, 261–405. Trad. de [1933].
- 1936b O ugruntowaniu naukowej semantyki, *Przegląd Filozoficzny* 39, 50–57.
- 1936c Grundlegung der wissenschaftlichen Semantik, *Actes du Congrès International de Philosophie Scientifique*.
- 1939 On Well-Ordered Subsets of any Set, *Fundamenta Mathematicae* 32, 176–183.
- 1941 Introduction to Logic and to the Methodology of Deductive Sciences, enlarged and revised edition. New York: Oxford University Press.
- 1944 The Semantic Conception of Truth and the Foundations of Semantics, *Philosophy and Phenomenological Research* 4, 341–376.
- 1956a *Logic, Semantics, Metamathematics. Papers from 1923 to 1938*, Oxford: Clarendon Press, 1965. Translated by J. H. Woodger.
This volume is dedicated by Tarski “To his teacher / TADEUSZ KOTARBIŃSKI / The author”. Indeed Kotarbiński was one of Tarski’s teachers, but not his “doctor-father.” See Feferman and Feferman 2004, pp. 39–42.
- 1956b “On the primitive term of logistic,” pp. 1–23 in 1956a. French translation in 1972, 1–25.
- 1972 *Logique, Sémantique, Métamathématique. 1923–1944*, edited by G. Granger. Paris: Librairie Armand Colin.
- 1983a *Logic, Semantics, Metamathematics. Papers from 1923 to 1938*, Second revised edition of 1956a. Indianapolis: Hackett. Edited by John Corcoran.
From the description of the editing of this volume in Feferman and Feferman 2004, pp. 366–368, one should be alert for changes in wording made in 1956a and the original papers.
- 1986 *Collected Papers*, Vols. 1–4, Basel: Birkhäuser. Edited by S. R. Givant and R. N. McKenzie.

Tarski, Alfred and Givant, S.

- 1999 “Tarski’s system of geometry,” *Bulletin of Symbolic Logic*, 5 (1999), 175–214.

Tatarkiewicz, Krzysztof (1923–2011)

1998a “Profesor Sobociński i kolega Bum,” *Wiadomości Matematyczne*, 34, 123–146.

This paper, in Polish, has a wealth of information about Sobociński.

1998b “Logik i Polityk, (Bolesław Sobociński),” pp. 167–183 in *Matematycy Polskiego Pochodzenia na Obczyźnie. Materiały z XI Ogólnopolskiej Szkoły Historii Matematyki Kołobrzeg 5–9 maja 1997* edited by Stanisław Fudalego, Szczecin 1998.

This contains a good deal of information about Sobociński life during WW II. A copy of this volume is at the Library of Congress.

Terrel, Burnham

1978 “Quantification and Brentano’s logic,” *Grazer Philosophische Studien*, 5 (1978), 45–65.

Tharp, Leslie H.

1971 “Truth, quantification, and Abstract objects,” *Noûs*, 5 (1971), 363–372.

Thom, Paul

1986 “A Leśniewskiiian reading of ancient ontology: Parmenides to Democritus,” *History and Philosophy of Logic*, 7 (1986), 155–166.

Have copy.

Some propositions of the formal ontology of Parmenides are interpreted as modifications of a Leśniewskiiian system [Canty, MR88a:03004]

Trentman, John

1966 “Leśniewski’s ontology and some medieval logicians,” *Notre Dame Journal of Formal Logic*, 7 (1966), 361–364. [Full text.](#)

1968 “Extraordinary language and medieval logic,” *Dialogue*, 7, 286–291.

1976 “On interpretation, Leśniewski’s ontology and the study of medieval logic,” *Journal of the History of Philosophy*, 14 (1976), 217–222.

Have copy.

Trew, Anthony

1970 “Nonstandard theories of quantification and identity,” *Journal of Symbolic Logic*, 35 (1970), 267–294.

Truszczyński, Mirek

2009 “ICLP 2009 dinner speech.” [Full text.](#)

Trypuz, Robert

2014 “O nazywaniu przedmiotów — czyli jak Tadeusz Kotarbiński uczy rozumieć Ontologię Stanisława Leśniewskiego,” (About Putting Names to Objects, i.e., How Tadeusz Kotarbiński Teaches Stanisław Leśniewski’s Ontology,” *Roczniki Filozoficzne* (Annals of Philosophy), Vol. 62 (1)/2014, pp. 37–51.

This article presents an attempt to found the Ontology of Stanisław Leśniewski on a simple theory with one primitive relation “being denoted by.” The theory developed shows that to the linguistic model of the Ontology can belong only such general names that in their extensions have at least two objects (references) denoted by individual names.

Tsai, Hsing-chien

2005 *The Logic And Metaphysics Of Part-whole Relations*, Ph.D. dissertation, Department of Philosophy, Columbia University, 2005. Issue Date 2005. [Abstract](#).

2009 “Decidability of mereological theories,” *Logic and Logical Theories*, 18 (2009), 45–63. [Abstract](#). [Full text](#).

Have copy.

2013 “A comprehensive picture of the decidability of mereological theories.” (English summary) *Studia Logica* 101 (2013), no. 5, 987–1012.

2013 “Decidability of General Extensional Mereology,” *Studia Logica* 101, 3 (2013): 619–636. DOI: 10.1007/s11225-012-9400-4

2015 “Notes on models of first-order mereological theories,” *Logic and Logical Philosophy* (published online: April 28, 2015). DOI: 10.12775/LLP.2005.009

2018 “General Extensional Mereology is Finitely Axiomatizable,” *Studia Logica*, August 2018, Volume 106, Issue 4, pp. 809–826.

Twardowski, Kazimierz (1866–1938)

1912 “O czynność ciach i wytworach — Kilka uwag z pogranicza psychologii, gramatyki i logiki” in *Księga Pamiątkowa ku uczczeniu 250-tej rocznicy założenia Uniwersytetu lwowskiego przez króla Jana Kazimierza*, Tom II. Lwów, nakładem Uniwersytetu Lwowskiego, 1912, S. 1–33 (also as extract, Krakow, 1911, p. 33.). Reprint in (1927), pp. 96–128 and in (1965), pp. 217–240. German version: “Funktionen und Gebilde” (Johannes L. Brandl ed.), *Conceptus*, XXIX (75), 1996, pp. 157–189. French version: “Fonctions et produits” (>1912), manuscript, Twardowski Archives, Biblioteka IFiS PAN, Warsaw. Online at <http://www.elv-akt.net/> (registration required). Engl. transl. on the basis of German and Polish (Art Szylewicz) in (1999), pp. 103–132. Italian translation: “Funzioni e prodotti” (Enrica Natalini) *Axiomathes*, 3, 1998: 325–359.

1927 “Rozprawy i artykuły filozoficzne,” Lwów: Księgarnia-Atlas, 1927. Reprint of his 1912.

Uckelman, Sara L.

2009 “The reception of Saint Anselm’s logic in the 20th and 21st centuries.” [Full text](#).

Ugarte A., Eugenio,

- 1981 *Definiciones de clase y axiomas unicos de la Mereologia de Lesniewski para contetivo y cota inferior*, Universidad de Oriente, Venezuela. MS Degree under the direction of Robert E. Clay.

Urbaniak, Rafał

- 2003 “An analysis of Kotarbiński’s reistic reasoning,” pp. 62–81 in volume III of *Logical Foundations of Reasoning*, Gdansk University Press, 2003

- 2005 *On Ontological Functors in Leśniewski’s Ontology*, Master’s Thesis, University of Gdańsk, 2005. The supervisor was Jarosław Mrozek, the referee, Andrzej Włodzimierz Mostowski. [Full text.](#)

- 2006a “On ontological functors of Leśniewski’s elementary ontology,” *Reports on Mathematical Logic*, 40 (2006), 15–43. MR2207302.

Presents an algorithm to define any possible sentence-forming functor of Leśniewski Elementary Ontology (LEO), whose arguments belong to the category of names.

- 2006b “On representing sentential connectives of Leśniewski’s elementary protothetic,” *Journal of Logic and Computation*, 16(4), 2006, 451–460. MR2254394.

Extends Leśniewski’s wheel-and-spoke notation to sentential connectives with 3 or more variables.

- 2006c “Some non-standard interpretations of the axiomatic basis of Leśniewski’s ontology,” *Australasian Journal of Logic*, 4 (2006), 13–46. MR2197104 (2006h:03010) is an author’s summary.

- ???? “Some Problems with the Leśniewskian foundations of mathematics,” [Full text.](#)

Have copy.

- 2008 *Leśniewski’s Systems of Logic and Mereology; History and Re-evaluation*, Ph.D. dissertation under the direction of Richard Zach, Department of Philosophy, University of Calgary, 298pp. [Full text.](#)

- 2008 “Leśniewski and Russell’s Paradox: Some Problems,” *History and Philosophy of Logic*, 29 (2), 115–146. [Abstract.](#) [Full text.](#)

Have copy.

Discusses the argument in Sobociński 1949a. In several very long footnotes the author gives a very nice survey of the most important literature dealing with the Leśniewskian systems.

- 2009 “A note on identity and higher-order quantification,” *Australasian Journal of Logic*, 7 (2009), 48–55 Review MR2535018 is in progress. [Full text.](#) BibTeX.

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- 2010 “Neologicist nominalism,” *Studia Logica*, 96 (2010), 151–175.

- 2010 “Response to a critic (definability and ontology),” *Reports on Mathematical Logic*, 45 (2010), 255–259.

- 20xx “Lesniewski’s quantifiers. A modal interpretation,” a talk given at the University of Latvia, 28 August 2008. No abstract is available.

- 2013 *Leśniewski's Systems of Logic and Foundations of Mathematics*. Dordrecht: Springer. ISBN: 978-3-319-00481-5 (Print) 978-3-319-00482-2 (Online). Reviewed by Roman Murawski: MR3136523. Reviewed by Peter Simons: *Philosophia Mathematica*, Volume 25, Issue 1, 2017, 148–151.

“The Lvov-Warsaw school of logic and analytic philosophy was one of the most important schools of philosophical thought in twentieth century. In early 1910s its members already discussed the validity of the principles of excluded middle and contradiction. Among ideas developed in this school one might count Łukasiewicz’s view that one can believe a contradiction and that certain sentences can be neither true nor false. This led to the construction of his three-valued logic. Another example is Ajdukiewicz’s conventionalism about meaning and his formal work on definitions (it seems that it was Ajdukiewicz and Łukasiewicz who first focused on the consistency, translatability and non-creativity conditions on definitions, at least on the Polish ground). Other examples include Ja’skowski’s approach to natural deduction and his work on discussive logics, Lindenbaum’s lemma on maximally consistent sets of formulas, Presburger’s work on arithmetic, Kotarbiński’s semantical reism, and Tarski’s work on formal semantics and truth.

One of the representatives of this school was Stanisław Leśniewski (1886–1939) (Alfred Tarski, whose importance in twentieth century logic it is hard to overestimate, was his only PhD student). Leśniewski developed his system of foundations of mathematics as an alternative to the system of *Principia Mathematica*. He constructed three systems: Protothetic, which is his version of a generalized propositional calculus, his own (higher-order) logic of predication called Ontology, and a theory of parthood called Mereology.

This book is devoted to a presentation of Leśniewski’s achievements and their critical evaluation. I discuss his philosophical views, describe his systems and evaluate the role they can play in the foundations of mathematics. It was my purpose to focus on primary sources and present Leśniewski’s own views and results rather than those present in secondary literature. For this reason, later developments are not treated in detail but rather either mentioned in passing, or described in sections devoted to secondary literature included in some chapters. The intended audience of this book includes philosophy majors, graduate students and professional philosophers interested in logic, mathematics and their philosophy and history.”

- 2014 “Śłupecki’s Generalized Mereology and Its Flaws,” *History and Philosophy of Logic*, Volume 35, Issue 3, 289-300.

Author’s Abstract: One of the streams in the early development of set theory was an attempt to use mereology, a formal theory of parthood, as a foundational tool. The first such attempt is due to a Polish logician, Stanisław Leśniewski(188–1939). The attempt failed, but there is another, *prima facie* more promising attempt by Jerzy Śłupecki (1904–1987), who employed his *generalized mereology* to build mereological foundations for type theory. In this paper I (1) situate Leśniewski’s attempt in the development of set theory, (2) describe and evaluate Leśniewski’s approach, (3) describe Śłupecki’s strategy without unnecessary technical details, and (4) evaluate it with a rather negative outcome. The issues discussed go beyond merely historical interests due to the current popularity of mereology and because they are related to nominalistic attempts to understand mathematics in general. The introduction describes very briefly the situation in which mereology entered the scene of foundations of mathematics Ñ it can be safely skipped by anyone familiar with the early development of set theory. Section

2 describes and evaluates Leśniewski's attempt to use mereology as a foundational tool. In Section 3, I describe an attempt by Śłupecki to improve on Leśniewski's work, which resulted in a system called *generalized mereology*. In Section 4, I point out the reasons why this attempt is still not successful. Section 5 contains an explanation of why Leśniewski's use of Ontology in developing arithmetic also is not nominalistically satisfactory. [Abstracted quoted in MR3227814]

2015 "Stanisław Leśniewski: Rethinking the Philosophy of Mathematics," *European Review*, Volume 23, Issue 01, February 2015, pp. 125–138. DOI: <http://dx.doi.org/10.1017/S1062798714000611>

Author's Abstract: Near the end of the nineteenth century, a part of mathematical research was focused on unification: the goal was to find 'one sort of thing' that mathematics is (or could be taken to be) about. Quite quickly sets became the main candidate for this position. While the enterprise hit a rough patch with Frege's failure and set-theoretic paradoxes, by the 1920s mathematicians (roughly speaking) settled on a promising axiomatization of set theory and considered it foundational. In parallel to this development was the work of Stanisław Leśniewski (1886–1939), a Polish logician who did not accept the existence of abstract (aspatial, atemporal and acausal) objects such as sets. Leśniewski attempted to find a nominalistically acceptable replacement for set theory in the foundations of mathematics. His candidate was Mereology — a theory which, instead of sets and elements, spoke of wholes and parts. The goal of this paper will be to present Mereology in this context, to evaluate the feasibility of Leśniewski's project and to briefly comment on its contemporary relevance.

Urbaniak, Rafal, and Severi Hämäri, K.

2012 "Busting a myth about Leśniewski and definitions." *History and Philosophy of Logic*, 33, 159–189.

Have copy.

"A theory of definitions which places the eliminability and conservativeness requirements on definitions is usually called the standard theory. We examine a persistent myth which credits this theory to Leśniewski, a Polish logician. After a brief survey of its origins, we show that the myth is highly dubious. First, no place in Leśniewski's published or unpublished work is known where the standard conditions are discussed. Second, Leśniewski's own logical theories allow for creative definitions. Third, Leśniewski's celebrated 'rules of definition' lay merely syntactical restrictions on the form of definitions: they do not provide definitions with such meta-theoretical requirements as eliminability or conservativeness. On the positive side, we point out that among the Polish logicians, in the 1920s and 1930s, a study of these meta-theoretical conditions is more readily found in the works of Łukasiewicz and Ajdukiewicz."

Vaccarino, Giuseppe (Born 1919)

1948 "La scuola polacca di logica," *Sigma*, 2 (1948) #8–9, 527–546. Reviewed by Alonzo Church, *The Journal of Symbolic Logic*, Vol. 14, No. 2 (Jun., 1949), p. 127.

Vanderveken, Daniel R.

1975 An Extension of Leśniewski-Curry's Formal Theory of Syntactical Categories Adequate for the Categorically Open Functors, *Bulletin de la Section de Logique* 4.2, 78-79 (Polish Academy of Sciences, June 1975).

- 1976 “The Lesniewski-Curry theory of syntactical categories and the categorically open functors,” *Studia Logica*, 35 (1976), 191–201. MR0446916. [First page](#). [JSTOR](#).

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Van Fraassen, Bas (Born 1941)

- 1966 *Foundations of the Causal Theory of Time*, University of Pittsburgh doctoral dissertation, University Microfilms, 66.13, 481.

van Heijenoort, Jean (1912–1986)

- 1967 *From Frege to Gödel. A Source Book in Mathematical Logic*, Cambridge, MA: Harvard University Press. Contains a reprint of Russell 1908 and Zermelo 1908 and 1908.

Varzi, Achille C.

A full list of his [publications](#) is on line.

- 2001 “[Parts, counterparts and modal occurrents](#),” pp. 151–171 in *Méréologie et modalités. Aspects critiques et développements*, Université de Neuchâtel: Travaux de logique, 14.
- 2007 “Spatial reasoning and ontology: parts, wholes, and locations,” pp. 945–1038 in *Handbook of Spatial Logics*, edited by M. Aiello, I. Pratt-Hartmann, and J. van Benthem, Berlin: Springer-Verlag, 2007. [Full text](#).
- 2016 “[Mereology](#),” *Stanford Encyclopedia of Philosophy*.
- 201? “Natural Axioms for Classical Mereology,”

Varzi, Achille C. and Aaron J. Cotnoir

- 2019 *Mereology*, Oxford, Oxford University Press, forthcoming

Abstract. Mereology “the formal theory of parthood relations” has become a chapter of central interest not only in metaphysics but also in logic, the philosophy of mathematics, and the philosophy of science, which is to say in every field where part-whole theorizing plays a fundamental role. This book provides a critical survey and an up-to-date assessment of the main results in this area, with an eye to both their philosophical underpinnings and their formal properties. In doing so, it also aims to investigate the varieties of formal systems currently available, including differen

Vasyukov, Vladimir L.

- 1993 “The completeness of the factor semantics for Łukasiewicz’s infinite-valued logics,” *Studia Logica*, 52 (1), 1993, 143-167.
- 1993 “A Leśniewskian guide to Husserl’s and Meinong’s jungles,” *Axiomathes*, 1 (1993), 59–74.
- 1998 “Non-elementary exegesis of Twardowski’s theory of presentation,” pp. 153–167 in Kijania-Placek and Wolenski 1998.

Should this be included?

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Vernant, Denis

1995 Logique et pragmatique: la genèse du concept d’assertion, in: D. Miéville and D. Vernant (éds), Stanislaw Lesniewski aujourd’hui, Grenoble / Neuchâtel, Groupe de Recherches sur la philosophie et le langage / Centre de Recherches Sémiologiques, 179-206.

2000 “Sur les fondements de la mathématique de Stanislaw Lesniewski,” pp. 313-363 in *Mélanges offerts à Paul Gochet*, edited by F. Beets and E. Gillet, Bruxelles: Ousia, 2000. [Full text](#).

Have copy.

2001 Introduction à la logique standard. Calcul des propositions, des prédicats et des relations, Paris: Flammarion.

2008 Définition stratifiée de la vérité, Définition, rôles et fonctions en logique et mathématiques, Travaux de logique, Neuchâtel, n° 19, P. Joray and D. Miéville éds., juin 2008, p. 204-237.

von Neumann, John

See Neumann, John von.

Vuillemin, Jules (1920–2001)

1967 *De la logique à la théologie. Cinq études sur Aristote*, Paris: Flammarion.

1971 *Le Dieu D’Anselme et les apparences de la raison*, Paris: Aubier Montaigne.

Wajsburg, Mordecai (Died circa 1943)

1932 “Ein neues Axiom des Aussagenkalküls in der Symbolik von Sheffer,” *Monatshefte für Mathematik und Physik*, 39 (1932), 262.

Presents four axiom systems of the equivalential calculus, including the first two single axioms.

1936 “Metalogische Beiträge,” *Wiadomości Matematyczne*, 43 (1936), 132–133 and 163–166. [Check page numbers] English translation in McCall 1967, 283–318.

Contains completeness proofs for the axioms given in his 1932.

Wallace, John

1971 “Convention T and substitutional quantification,” *Noûs*, 5 (1968), 199–211.

Wallis, John R.

1970 “On the frame of reference,” *Synthese*, 22 (1970), 117–150.

Wang, Hao (1921–1995)

1953 “What is an individual?,” *The Philosophical Review*, 62 (1953), 413–420.

Waragai, Toshiharu

1979 “Ontological burden of grammatical categories,” *Annals of the Japan Association for Philosophy of Science*, 5 (1979), no. 4, 185–205. Reviewed by W. S. Hatcher, MR0538984.

More info in his folder to include here.

- ???? “On the equivalence between barbara and dictum de omni,” 177–186.
- 1980 “Leśniewski on general objects,” *Journal of Gakugei*, 29 (1980), 19–22. Have copy.
- 1981 “Leśniewski’s refutation of general objects on the basis of ontology,” *Journal of Gakugei*, 30 (1981), 49–54.
- 1981b “The ontological law of contradiction and its logical structure,” *Annals of the Japan Association for Philosophy of Science*, 6 (1981), no. 1, 43–58 (loose errata). Reviewed by Stephen Read, MR0631247.
- 1983 *Earlier Leśniewski on Existential Sentence*, Tokushima, 1983.
- 1987 “Ontology based on non-reflexive identity and the product name functor,” *Annals of the Japan Association for the Philosophy of Science*, 7 (1987), no. 2, 73–84. Have copy.
- 1990 “Ontology as a natural extension of predicate calculus with identity equipped with description,” *Annals of the Japan Association for the Philosophy of Science*, 7 (1990), no. 5, 233–250 (23–40 is another set of page numbers on the reprint. Have copy.
- 1993 “Events and higher-order ontology,” *Annals of the Japan Association for the Philosophy of Science*, 8 (1993), 163–173. Reviewed by Katalin Bimbó, MR 1216888 (94e:03030). Is Journal title correct?
- 1994 *Ontology as a Natural Extension of Predicate Calculus is Expressible in which IS-A Relation* [In Japanese], Doctor of Science, Tokyo Institute of Technology, 1, 1994. Have review by B.
- 1995 “IS — a relation, the principle of comprehension, and the doctrine of the limitation of size,” *Annals of the Japan Association for the Philosophy of Science*, 9 (1995), no. 9, 23–34.
- ???? “Aristotle’s master argument about primary substance and Leśniewski’s logical ontology: A formal character of metaphysics,”
- 1998 “On some essential subsystems of Leśniewski’s ontology and the equivalence between the singular barbara and the law of Leibniz in ontology,” pp. 169–180 in Kijnia-Placek and Woleński 1998. MR 1738839 (2000m:03078) quotes the author’s introduction. Have copy.
- 2005 “On the logical content of the weak law of extensionality and its relation to the successive simplification of the original axiom of Leśniewski’s ontology,” pp. 95–113 in Beets and Gavray 2005. Have MR.
- 2005 “Ontology as a Logical System of IS-A Relation,” *Transactions of the Japanese Society for Artificial Intelligence*, Volume 20 Issue 6 Pages 448–460.
- The main aim of this paper is to propose an appropriate logical system that is suitable to describe the notion of IS-A link as well as is-a link. The most important point to be realized is that those relations are not set theoretical ones. They connect two ‘general names’ to construct a proposition, so that what is needed for proper descriptions of the relations in question is a theory of general names. It will be shown that is-a is a logical unit of axiomatically determined behaviour. The axiom concerning is-a relation was established by S. Lesniewski who named his theory of general names ontology. Today ‘ontology’ has also become a common term for AI researchers. I intend to make it clear that there is a close connection between ‘ontology’

used by Lesniewski and by AI researchers, even though they developed quite independently. I wish to stress that ontology created by Lesniewski is a system of syllogistic equipped with singular propositions and the theory of quantification. To make this point clear, I proposed a fragment of syllogism that I called MO (minimal ontology). This paper includes comments and examples articulating the logical power of ontology.

- 2015 “On the logical content of the weak law of extensionality and its relation to the successive simplification of the original axiom of Leśniewski’s ontology II. (English summary) *Log. Anal. (N.S.)*, 58, no. 229, 57–87. MR3381951

Waragai, Toshiharu and Oyamada, Keiichi

- 2007 “A System of Ontology based on identity and partial ordering as an adequate logical apparatus for describing taxonomical structures of Concepts,” *Annals of the Japan Association for Philosophy of Science*, Volume 15, Issue 2, Pages 123–149. [Full text](#).

Watanabe, Syozo

- 1974a *On many-valued protothetics*, Ph.D. dissertation at the University of Manchester under the direction of Lejewski. 1973?

- 1974b “Many valued protothetic,” *Journal of Symbolic Logic*, 39 (1974), 409–410.

Wciórka, Wojciech

- 2005 “Mariusz Grygianiec’s argument for incorrectness of the definition of general object,” (Polish), *Filozofia Nauki* (Philosophy of Science), 13 (2005), 4(52), 83–101. [Reference](#).

Mariusz Grygianiec has criticized the so called ‘proofs of nonexistence of general objects’ as based on a wrong definition. In this paper one of his arguments is shown to depend on an unsatisfiable condition (contradictory to some basic ontological intuitions) without which, however, it is inconclusive as a ‘reductio ad absurdum.’ Furthermore, it is suggested that even if the argument were sound, it could by no means be counted — contrary to the author’s intention — as a counterargument to Stanisław Leśniewski’s and Tadeusz Kotarbiński’s argument.

Weingartner, Paul (born 1931)

- 1964 “Vier Fragen zum Wahrheitsbegriff,” *Salzburger Jahrbuch für Philosophie*, 8 (1964), 31–74.

- 1965 “Can one say of definitions that they are true or false?,” *Ratio*, 7 (1965), 61–93.

- 1966a “Der Begriff der Existenz Russell Theorie der Deskription,” pp. 69–86 in P. Weingartner (editor), *Deskription, Analytizität und Existenz*, Salzburg: Pustet.

- 1966b “Sind das Cogito und ähnliche Existenzsätze tum Teil analytisch?,” pp. 285–316 in P. Weingartner (editor), *Deskription, Analytizität und Existenz*, Salzburg: Pustet.

- 1967 “Ontologische Fragen zur klassischen Wahrheitsdefinition,” pp. 37–67 in P. Weingartner (editor), *Grundfragen der Wissenschaften und ihre Wurzeln in der Metaphysik*, Salzburg: Putset.

- 1968 “Modal logics with two kinds of necessity and possibility,” *Notre Dame Journal of Formal Logic*, 9 (1968), 97–159.
- 1974 “On the characterizations of entities by means of individuals and properties,” *Journal of Philosophical Logic*, 3 (1974), 323–336.
- 1975 “A finite approximation to models of set theory,” *Studia Logica*, 34 (1975), 45–58.
- 1976a “Similarities and differences between the e of set-theory and the part-whole-relations,” *XXIInd Conference on the History of Logic, 5-9 July 1976*, Krakow. Need page numbers.
- 1976b The Problem of the Universe of Discourse of Metaphysics, in: Science et Métaphysique. Colloque de l’Académie Internationale de Philosophie des Sciences, Bruxelles 1973, Bruxelles: Office International de Librairie, 207-254.
- 1981 Similarities and Differences between the e of Set- Theory and the Part-Whole-Relations, in: K. Weinke (ed.), *Logik Ethik und Sprache*, Festschrift für Rudolf Freundlich, München: Oldenburg, 266-287.
- 1982 A Note on Aristotle’s Theory of Definition and Scientific Explanation, in: L. Geldsetzer, *Philosophie in der modernen Welt*, Festschrift für A. Diemer. Düsseldorf: Philosophia Verlag.
- 2000 *Basic Questions on Truth*, Kluwer, 2000.
Chapter 5 is entitled “Are Definitions True or False?”. Google Books.

Wells, Rulon S.

- 1951 “Frege’s ontology,” *The Review of Metaphysics*, 4 (1951), 537–573.

Welsh, Paul J.

- 1971 *Primitivity in Mereology*, Ph.D. dissertation, University of Notre Dame, August 1971, under the direction of Robert E. Clay.
- 1978 “Primitivity in mereology. I,” *Notre Dame Journal of Formal Logic*, 19 (1978), 25–62. [Full text.](#)
- 1978 “Primitivity in mereology. II,” *Notre Dame Journal of Formal Logic*, 19 (1978), 355–385. [Full text.](#)

Weston, T. S.

- 1974 “Theories whose quantification cannot be substitutional,” *Noûs*, 8 (1974), 361–369.

Wherritt, Robert C. (2011–1927)

- 1971a “First-order equality logic with weak existence assumptions,” *Journal of Symbolic Logic*, 36 (1971), 592.

White, George Graham,

1995 “Leśniewski’s Theory of Definition,” in: *Kontroversen in der Philosophie*, 7/1995.

Whitehead, Alfred North (1861–1947)

1919 *Enquiry Concerning the Principles of Natural Knowledge*, Cambridge 1919.

Tarski called this paper to Leśniewski’s attention in 1926 and he discussed it in 1928 in “O podstawach matematyki, Rozdział,” pp. 258–263 in his 1992. For a different translation, see footnote 186 in Leśniewski 1983, p. 51.

This is discussed in Sinisi 1966. Leśniewski’s lecture notes on this topic are in his 1988, pp. 171–178.

Whitehead, Alfred North and Russell, Bertrand

1910 *Principia Mathematica*. Cambridge: CUP, vol. 1. [1927] seconde édition.

1912 *Principia Mathematica*. Cambridge: CUP, vol. 2.

1913 *Principia Mathematica*. Cambridge: CUP, vol. 3.

Wiegner, Adam (1889–1967)

1948 *Elementy logiki formalnej* (Elements of Formal Logic), Poznan: Księgarnia Akademicka.

Wielądek, Romuald

1969 “Logika zdań bez prawa ekstensjonalności,” (A propositional calculus without the law of extensionality), *Studia Logica*, 24 (1969), 187–208.

Wójcicki, Ryszard

1997 “The postwar panorama of logic in Poland,” 497–508 in *Logic and Scientific Methods*, edited by M. L. Dalla Chiara, et al., Kluwer Academic Publishers, 1997.

2002 “Logika polska okresu powojennego próba rzutu oka wstecz,” *Nauka*, 4 (2002), 157–175. This is the Polish version of 2003.

Wójcicki, Ryszard and Zygmunt, Jan

2003 “Polish logic in postwar period,” 11–33 in *Trends in Logic: 50 Years of Studia Logica*, edited by Vincent F. Hendricks and Jacek Malinowski, Kluwer Academic Publishers, 2003, ISBN 1-4020-1601-8.

Wojciechowski, Eugeniusz

1985 “Recepcja ontologii S. Leśniewskiego w filozofii T. Kotarbińskiego,” *Ruch Filozoficzny*, 42 (1985), 218–223.

1989 “Sylogizmi Ukośne, *Roczniki Filozoficzne*, 1989–1990), pp. 337–343.

Interprets “oblique systems” in protothetic.

1994 “Zwischen der Syllogistik und den Systemen von Lesniewski: Eine Rekonstruktion der Idee der Quantifizierung der Prädikate,” *Grazer Philosophische Studien*, 48 (1994), 165–200.

2008 “Bezkwantyfikatory rachunek nazw z regułą? ekstensjonalność ci,” (A quantifierless calculus of names with the rule of extensionality, *Roczniki Filozoficzne*, Vol. 56 (1) / 2008, 417–429.

Summary: Ludwik Borkowski has constructed a quantifierless calculus of names, which is taken as the base system here. The system can be extended with the use of the deductive power of rules of introduction and omission of functors π and σ , which serve here as the substitutes of quantifiers. If we adopt the extensionality rule for the functor of singular inclusion, we obtain yet another extending of the system accompanied by simultaneous considerable reduction of the primary rules. The interpretation of the last system in elementary ontology is included.

Wojtasiewicz, Olgierd 1916 –1995

1962 “Towards a general theory of sign systems I, II,” *Studia Logica* 13, 81–101 and 21, 81–89.

Woleński, Jan

See <http://bazhum.muzhp.pl/autor/Wole?ski/Jan/> for lots of his articles.

1985 *Filozoficzna szkoła lwowsko-warszawska* (The Lwów-Warsaw School of Philosophy), Państwowe Wydawnictwo Naukowe, Warsaw, 1985, 348pp. Reviewed by John Bednarz, Jr., *Journal of Symbolic Logic*, 54 (1989), 1487–1489, and by Hiż, *Studia Logica*, 46 (1987), p. 279. [JSTOR](#).

Have copy of Hiż review.

1985 (The mystery of the Warsaw School of logic) (Polish), *Wiadomości Matematyczne*, 26 (2), (1985), no. 2, 133–153.

This paper is devoted to the phenomenon of the Warsaw school of logic. The author describes its history (starting from Twardowski and discussing Łukasiewicz, Leśniewski, Tarski, Kotarbiński, Mostowski and others) and tries to answer the question: what were the reasons for the rise and magnificent development of logic in Poland between the Wars? MR840210 by Roman Murawski. +

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