

Professor Grzegorz Malinowski in Honorem

It is both an honor and a privilege for us to serve as Editors of this special issue of the Bulletin of the Section of Logic in honor of Professor Grzegorz Malinowski. Additionally, this is also Anniversary Issue of the Bulletin; it has been 45 years since the first issue of this Journal appeared. The anniversary provides an opportunity to look back and reflect on the past years. It also coincides with the 70th birthday of Professor Grzegorz Malinowski, Editor-in-Chief of the journal. On this occasion we would like to express our sincere gratitude for his efforts. The present volume, and the next one, are dedicated to Grzegorz Malinowski with best wishes of every success in his life.

Bulletin of the Section of Logic has been appearing since 1972. Ryszard Wójcicki, the Head of the Section of Logic of the Polish Academy of Sciences, launched the newsletter-journal designed for the exchange of scientific results among members of the Section with their national and international partners and cooperators. Jan Zygmunt was the editor of the first six issues of the Bulletin. In 1975, Grzegorz Malinowski takes on the responsibility of the Managing Editor. The year of 1992 was a very important moment in the history of the journal. In that year, the Department of Logic of Łódź University took over publication from the Polish Academy of Sciences and changed its publication policy into a regular peer-reviewed journal. Since then, Grzegorz Malinowski has been holding the position of Editor-in-Chief of the Bulletin of the Section of Logic.

Professor Grzegorz Malinowski, in full Grzegorz Marian Malinowski, was born in Łódź (Poland) on February 2nd, 1945. He studied mathematics at the University of Łódź, where he received his M.Sc. degree from the Faculty of Mathematics, Physics and Chemistry in 1968. Five years later, Grzegorz Malinowski received Doctor degree in Philosophy from the Institute of Philosophy and Sociology, Polish Academy of Sciences (for the algebraic interpretation of Łukasiewicz's logics). The dissertation was prepared under the supervision of Professor Ryszard Wójcicki. In 1979, Grzegorz

Malinowski summarized his research results and published a book entitled *Topics in the theory of strengthenings of sentential calculi* which was the basis for his habilitation thesis submitted to the Institute of Philosophy and Sociology, Polish Academy of Sciences. In Poland, the habilitation is a prerequisite for eligibility for what are termed ordinary professorships. In 1992 Grzegorz Malinowski was awarded the Professor degree by the Former President of the Republic of Poland, Lech Wałęsa.

Professor Malinowski held many functions in numerous academic and scientific organisations; among other things, he was a Vice-Dean of the Faculty of Philosophy and History of Łódź University (from 1984 to 1987), Prorector for international relations at the University of Łódź, (1993–1996), Director of the Institute of Philosophy, Łódź University (2005–2012), Head of the Department of Logic and Methodology of Science, Łódź University (1991–2015). He was Editor-in-Chief of *Folia Philosophica*, *Acta Universitatis Lodzensis*, University of Łódź, (1987–2002), Editor of *Logica Trianguli*, University of Nantes (France), (1997–2002). Professor is a member of Scientific Committees of the following journals: *Agora* (Universidad de Santiago de Compostela, Spain), since 1987; *Epistemologiques* (CNRS, Paris, France), since 1999; *Studies in Grammar and Rhetoric* (University of Białystok), since 1999. He has been cooperating with *Studia Logica* for many years: as an editor of the journal (from 1978 to 1987), Executive Editor (from 1991 to 1992), Associate Editor (1993–2003), and since 2004 as a member of the Advisory Board. He is also a member of the Editorial Board of the *Studies in Universal Logic*, Springer (A Birkhäuser book series), since 2007; and last but not least, Editor-in-Chief of the *Bulletin of the Section of Logic*,

Grzegorz Malinowski is the author of many books and articles that have appeared in international journals that make a significant contribution to logic (see Complete List of Publications for details). In particular, his investigations were concerned with many-valued logics, non-Fregean logics, paraconsistent logics, theory of consequence operations and its inferential generalizations. Among other things he developed an extensive theory of quasi-consequence operations and inferential many-valuedness. At the same time Grzegorz Malinowski was very active as a teacher. He had a number of courses and seminars, mostly devoted to several aspects of logic but also lectures on the aesthetics of jazz and seminars on Polish jazz, which were very popular among students. He was a supervisor of 8 doctor's theses of Marek Nowak, Piotr Lukowski, Janusz Kaczmarek, Janusz

Maciaszek, Marek Rosiak, Andrzej Indrzejczak, Dorota Rybarkiewicz and Janusz Ciuciura. It is worth mentioning that all his promoted doctors are still continuing scientific research on logic and related fields.

The following two issues contain a number of papers covering a variety of topics and approaches to logic. Since a lot of scholars were interested in submitting their papers to the special issue, the editors decided to prepare two double issues instead of one. We are delighted that so many former students, friends and collaborators of Professor Malinowski from all over the World have contributed high quality manuscripts for these special issues. Thereby we would like to express sincere gratitude to all contributors and referees involved in this project for their great effort, kind cooperation and patience. We hope that this collection of valuable papers written by outstanding logicians will serve as an excellent tribute to Grzegorz.

Complete List of Publications

Papers (from 1972 to 2014)

[1] *N-valued algebras of Łukasiewicz and their relations to Post algebras of order N (in Polish)*, **Zeszyty Naukowe Uniwersytetu Łódzkiego**, Ser. I, 94 (1972), pp. 11–19.

[2] (with M. Spasowski) *Dual counterparts of Łukasiewicz's sentential calculi (abstract)*, **Bulletin of the Section of Logic**, vol. 1 (1972), no. 3, pp. 2–7.

[3] *MV-algebras*, **Bulletin of the Section of Logic**, vol. 2 (1973), no. 3, pp. 185–191.

[4] (with M. Spasowski) *Dual counterparts of Łukasiewicz's sentential calculi*, **Studia Logica**, XXXIII (1974), no. 2, pp. 153–162; also in **Selected papers on Łukasiewicz sentential calculi** (ed. R. Wójcicki, G. Malinowski), Ossolineum 1977, pp. 161–170.

[5] *S-algebras for n-valued sentential calculi of Łukasiewicz*, **Bulletin of the Section of Logic**, vol. 3 (1974), no. 2, pp. 25–30; also (in Russian) [in:] **Logičeskij wyvod**, Moskva, 1979, pp. 50–53.

[6] *Degrees of maximality of some Łukasiewicz's logics*, **Bulletin of the Section of Logic**, vol. 3 (1974), no. 3/4, pp. 27–33.

[7] *S-algebras and the degrees of maximality for three and four valued logics of Łukasiewicz*, **Studia Logica**, XXXIII (1974), no. 4, pp. 359–370.

[8] *Matrix representation for the dual counterparts of Łukasiewicz n -valued sentential calculi and the problem of their degrees of maximality (abstract)*, **Bulletin of the Section of Logic**, vol. 4 (1975), no. 1, pp. 26–32.

[9] *Matrix representation for the dual counterparts of Łukasiewicz n -valued sentential calculi and the problem of their degrees of maximality*, **Proceedings of the V-th International Symposium on Multiple-Valued Logics**, IEEE, Indiana University, Bloomington, USA, May 1975, pp. 252–261.

[10] *Algebraic interpretation of Łukasiewicz logics (in Polish)*, **Zeszyty Naukowe Uniwersytetu Łódzkiego, Folia Philosophica**, Ser. I (1976), no. 9, pp. 15–49.

[11] *Degrees of maximality of Łukasiewicz-like sentential calculi (abstract)*, **Bulletin of the Section of Logic**, vol. 6 (1977), no. 2, pp. 74–81.

[12] *S-algebras for n -valued sentential calculi of Łukasiewicz. The degrees of maximality of some Łukasiewicz's logics*, [in:] **Selected papers on Łukasiewicz sentential calculi** (ed. R. Wójcicki, G. Malinowski), Ossolineum 1977, pp. 149–160.

[13] *Historical Note. Bibliography of Łukasiewicz's logics*, [in:] **Selected papers on Łukasiewicz sentential calculi** (ed. R. Wójcicki, G. Malinowski), Ossolineum 1977, pp. 177–199.

[14] *Degrees of maximality of Łukasiewicz-like sentential calculi*, **Studia Logica**, XXXVI (1977), no. 3, pp. 213–228.

[15] *Classical characterization of n -valued Łukasiewicz sentential calculi*, **Reports on Mathematical Logic**, 9 (1977), pp. 41–45.

[16] (with J. Zygmunt) *Results in general theory of matrices for sentential calculi with applications to the Łukasiewicz logics*, **Zeszyty Naukowe Uniwersytetu Wrocławskiego, Prace Filozoficzne**, XX (1978), pp. 43–57.

[17] *A proof of Ryszard Wójcicki's conjecture*, **Bulletin of the Section of Logic**, vol. 7 (1978), pp. 20–25.

[18] *Degrees of maximality of Łukasiewicz-like calculi (in Polish)*, **Ruch Filozoficzny**, XXXVI (1978), pp. 52–53.

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