Comment.Math.Univ.Carolin. 59,4 (2018) 413–414

Preface

Bohuslav Balcar (1943–2017) was a prominent Czech mathematician working mostly in the areas of Logic, Set Theory, Theory of Boolean Algebras, Dynamical Systems and Topology. These special issues aim to honour his memory by representing both the many areas of mathematics his research has influenced, and the innumerable students and colleagues whose lives he touched as a teacher, mentor, friend, and a role model.

An excellent account of Bohuslav Balcar's mathematical legacy can be found in the article by Bukovský, Jech and Simon. His work on Boolean algebras is reflected in the contributions by Bukovský, Geschke, Grebík and Jech, with closely related themes of measures, submeasures and means treated also by Kalajdzievski and Steprāns, and Duanmu and Weiss. The papers by Dow and Shelah, Grebík, and Bartošová and Zucker are centered around combinatorial, topological, and dynamical aspects of ultrafilters, while the works of Kellner, Shelah and Tănasie,

DOI 10.14712/1213-7243.2015.271

Zapletal, and Zindulka deal with cardinal invariants of the continuum and independence proofs. Bohuslav Balcar's connection to Topology is represented by the items authored by Banakh, Mioduszewski and Turek, Hart and van Mill, Juhász, Soukup and Szentmiklóssy, and Juhász and van Mill. Finally, the issue includes two pieces on Ramsey Theory by Hubička, Konečný and Nešetřil, and Nešetřil and Osona de Mendez. The contributions dedicated to Bohuslav Balcar appear in this issue of Commentationes Mathematicae Universitatis Carolinae, volume 59 (2018), no. 4, and in following issue, volume 60 (2019), no. 1.

We would like to express our gratitude to the authors of the included material, the anonymous referees, and the editors of CMUC for making these issues reality. Most of all we wish to thank Bohuslav Balcar for sharing a large part of his life with us. He shall be sorely missed, and he and his mathematics will be keenly remembered by all of us.

Michael Hrušák
David Chodounský
Thomas Jech

(*Received* November 21, 2018)