



Table of contents

News	9
Announcements	
Message from the president	9
Medal presentations	11
Make a gift to support The ICA!	12
News of members	13
Recreations	
Palindromic wishes for the new year	14
<i>M. Buratti</i>	
Conference announcements	
CanaDAM 2023	17
5 – 8 June 2023, Winnipeg, Manitoba	
Number Theory and Combinatorics in Duluth	19
31 July 2023 – 4 August 2023, Duluth, Minnesota	
RICCOTA2023	21
3 – 7 July 2023, Rijeka, Croatia	
Slovenian Conference on Graph Theory 2023	22
18 – 24 June 2023, Kranjska Gora, Slovenia	
Reports	
CCGTA 2022	23
<i>D. Nikolova</i>	
MCCCC 34	25
<i>H. Jordon</i>	
Polygons, buildings and related geometries	30
<i>J.A. Thas</i>	
SEICCGTC 53	35
<i>F. Hoffman and M. Provost</i>	
Obituaries	
Dean Gunnar Hoffman (1949 – 2022)	39
<i>S.H. Holliday</i>	
Sanpei Kageyama (1945 – 2022)	40
<i>R. Fuji-Hara, M. Jimbo, S. Kuriki, Y. Miao and K. Momihara</i>	
Rudolf Anton Mathon (1940 – 2022)	42
<i>L. Moura</i>	

Peer reviewed contributions 47

A proof via Zeilberger’s algorithm of Boole’s formula for factorials 47
J.M. Campbell

A short note on Zeckendorf type numeration systems with negative digits allowed 54
P. Hajnal

Global offensive k -alliances in digraphs 67
D.A. Mojdeh, B. Samadi and I.G. Yero

Matrix approaches to constructions of group divisible designs . . 83
S. Saurabh and K. Sinha

Self-colorings of graphs 106
J. Briggs, D. Hoffman, S.H. Holliday and P. Johnson

Vertex-magic trees with n central vertices and kn leaves have bounded order for each k exceeding the square root of 3 . . 117
J. Calzadillas and D. McQuillan