

# COMBINATORICS

Volume 12 (1990), Number 1, April

## The Newsletter of the Combinatorial Mathematics Society of Australasia

The Combinatorial Mathematics Society of Australasia was formed in 1978, with the aim (as stated in its constitution) of promoting combinatorial mathematics; this has been broadly interpreted as including the relevant areas of computing. It disseminates information about combinatorics and combinatorialists through its newsletter *Combinatorics* and conducts an annual conference with refereed published proceedings. There are currently about 120 members from all over the world.

Any interested person is invited to join the C.M.S.A.. Annual subscription for 1990 is Australian \$10 payable to C.M.S.A.. Members receive the newsletter and a reduction in the conference registration fee. Please address all enquiries, giving your full name and address, to the Director, Dr C.H.C. Little at the address given below.

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### CMSA OFFICEBEARERS to the end of 1990

#### DIRECTOR

Dr C.H.C. Little  
Dept of Mathematics and Statistics  
Massey University  
Palmerston North  
New Zealand

#### TREASURER

Dr Roger Duke  
Dept of Computer Science  
The University of Queensland  
St Lucia, Queensland 4067  
Australia

#### EDITOR, BOOKLET SERIES

Dr Kevin McAvaney  
Division of Computing and Mathematics  
Deakin University  
Geelong, Victoria 3217  
Australia

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### ANNUAL SUBSCRIPTIONS

If you haven't done so this year, please send \$10 in Australian currency to the Treasurer of CMSA (adding \$2 to foreign cheques to cover bank charges).

## AUSTRALASIAN JOURNAL OF COMBINATORICS

Volume 1 (March 1990) of the Australasian Journal of Combinatorics has now appeared. It is based on part of the proceedings of the Fifteenth Australasian Conference on Combinatorial Mathematics and Combinatorial Computing, held at The University of Queensland in July, 1989, and includes papers by J. Asenstorfer, R.W. Buskens, L. Caccetta, D. Chen, R.J. Clarke, E. Dawson, W. de Launey, D. Donovan, K. Gray, P. Gray, C.C. Lindner, S. Mardiyono, P. Moore, C.M. O'Keefe, W.J. Palmer, S.J. Pattison, C.E. Praeger, Purwanto, R. Rees, R.G. Stanton, D.R. Stinson, D.J. Street, M. Sved, W.D. Wallis, X. Wang and J. Wu.

Copies of this volume may be ordered from:

Dr Alan J. Rahilly,  
Managing Editor, Australas.J.Combin.,  
Department of Mathematics,  
The University of Queensland,  
Qld 4072, Australia

at a cost of \$25 each, plus \$3 postage and packing. (These prices are in Australian dollars.)

Volume 2 is due to appear in September. In the interests of speedy publication, authors are asked to submit two copies of manuscripts, typed so as to occupy a 6" x 9" (152mm x 229mm) area centred on each page. Manuscripts may be submitted to the Managing Editor, or to any member of the Editorial Board, including A.P. Street, E.J. Billington, D.M. Donovan, J.N. Holt and S. Oates-Williams, at the address given above.

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### NEXT NEWSLETTER

Copy for the next newsletter should be submitted by July 31, 1990. I would be particularly grateful for news of members and details of visitors to Australia or New Zealand who may be of interest to members. Please send to Peter Kelly, Department of Mathematics and Statistics, Massey University, Palmerston North, New Zealand.

THE SIXTEENTH AUSTRALASIAN CONFERENCE ON COMBINATORIAL  
MATHEMATICS AND COMBINATORIAL COMPUTING



Charles Little reports that plans are well in hand for this years conference at Massey University, Palmerston North, New Zealand during December 3-7, 1990. His organising committee consists of Mike Hendy, Mike Carter, John Giffin, Kee Teo, Paul Bonnington and Peter Kelly. Charles says that the response to the first circular has been very encouraging. In addition to the invited speakers, who were listed in the first circular, the following people have indicated their intention to attend. An asterisk indicates an intention to contribute a paper.

K.L. McAvaney*	Deakin University	Peter Kelly*	Massey University
Diane Donovan*	University of Queensland	Kee Teo*	Massey University
Ken Gray*	University of Queensland	Charles Little*	Massey University
Anne Street*	University of Queensland	Paul Bonnington*	Massey University
Alan Rahilly*	University of Queensland	Mike Hendy*	Massey University
Xuemin Lin*	University of Queensland	Michael Carter*	Massey University
Elizabeth Billington*	University of Queensland	John Giffin*	Massey University
Tao Lin*	University of Queensland	Marston Conder*	University of Auckland
Sharon Boswell*	University of Newcastle	Peter Gibbons*	University of Auckland
Zhang Xian-mo*	University of New South Wales	L.R. Foulds*	University of Waikato
G. Szekeres*	University of New South Wales	Ingrid Rinsma*	University of Waikato
Peter O'Halloran	University of Canberra	David Glynn*	University of Canterbury
W.F. Smyth*	McMaster University	R.E.L. Aldred*	University of Otago
Cheryl Praeger*	University of Western Australia	D. Holton*	University of Otago
R.P. Sullivan *	University of Western Australia	Kam Wing Leung*	Chinese University of Hong Kong
K. Vijayam*	University of Western Australia	W.D. Wallis*	Southern Illinois University
B.H. Neumann	Australian National University	Douglas Shier*	College of William and Mary
Xiaoji Wang*	Australian National University	G. Maxwell*	University of British Columbia
Brendan McKay*	Australian National University	F.R. McMorris*	University of Louisville
Jilyana Lazaran*	Queensland Uni. of Technology	E.S. Mahmoodian*	Sharif University of Technology
Katherine Heinrich*	Simon Fraser University	Latif al-Hakim*	Chisholm Institute of Technology
Brian Alspach*	Simon Fraser University	Miro Kretzl*	Curtin University of Technology
Michel Deza*	University of Paris	H.W. Hamacher*	University of Kaiserslautern
Nathaniel Dean*	Bellcore	Zhang Zhongfu*	Lanzhou Railway Institute

Horst Hamacher, Department of Mathematics, University of Kaiserslautern is an addition to the invited speakers.

In case you have not yet completed the form that accompanied the first circular, another copy of it is enclosed for your convenience.

Detailed information will be provided in the second circular, to accompany the next edition of the Newsletter.

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## FUTURE CONFERENCES

The SEVENTEENTH AUSTRALASIAN CONFERENCE on Combinatorial Mathematics and Combinatorial Computing will be held at the Australian Defence Force Academy in Canberra in 1991. For details, please write to:

Professor Jennifer Seberry  
Department of Computer Science  
University College, University of NSW  
ADFA  
Northcott Drive  
Canberra ACT 2600  
Australia

The EIGHTEENTH AUSTRALASIAN CONFERENCE on Combinatorial Mathematics and Combinatorial Computing will be held in Perth in 1992. For details please write to one of the following:

Professor Cheryl Praeger  
Department of Mathematics  
University of Western Australia  
Nedlands, WA 6009  
Australia

Dr Lou Caccetta  
School of Mathematics and Statistics  
Curtin University of Technology  
GPO Box U1987, Perth, WA 6001  
Australia

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## RECENT PUBLICATIONS

P. Eades and Roberto Tamassia, "Algorithms for Automatic Graph Drawing: An Annotated Bibliography", *Technical Report CS-89-09*, Department of Computer Science, Brown University, 1989.

P. Eades and X. Lin, "How to Draw a Directed Graph", Proceedings of the 1989 IEEE Workshop in Visual Languages, IEEE Computer Society Press 1989, 13-17.

Please send in notices of recent publications, preprints and abstracts of theses for announcement in this newsletter to Peter Kelly, Department of Mathematics and Statistics, Massey University, Palmerston North, New Zealand.

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## DISCRETE MATHEMATICS BOOKLETS

Members are reminded that CMSA aims to publish a series of 30-50 page booklets on discrete mathematics. (See "Combinatorics", Volume 10 (1988), Number 2, August).

If you wish to contribute, please contact the series editor:

Dr Kevin McAvaney  
Department of Computing and Mathematics  
Deakin University  
Geelong  
Victoria 3217

telephone (052) 471276

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SIXTEENTH AUSTRALASIAN CONFERENCE ON  
COMBINATORIAL MATHEMATICS AND COMBINATORIAL  
COMPUTING

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Do you plan to attend the conference? \_\_\_\_\_

If so, are you likely to present a paper? \_\_\_\_\_

Do you require hostel accommodation? If so, for how many people?

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If you do not plan to attend the conference, do you wish to receive any further circulars?

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Could you name any potential participants, not in the CSMA, to whom we should send the first circular?

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Please return this form as soon as possible to:

Dr C H C Little  
Department of Mathematics and Statistics  
Massey University  
Private Bag  
Palmerston North  
NEW ZEALAND.