

COMBINATORICS

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\* During 1986 all enquiries should be directed to the  
\* CMSA, c/- Prof. D. A. Holton, Dept. Maths & Stats,  
\* University of Otago, Box 56, Dunedin, New Zealand.  
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WITH FREE LIFT-OUT  
REGISTRATION CONFERENCE  
FORMS

Greetings from the land of the long white kiwi.

### **1. XIV ACCMC (Part 1)**

A joint Australia-Singapore venture incorporating part of the XIV<sup>th</sup> Australasian Conference on Combinatorial Mathematics and Computing will be held from 19-23 May this year in Singapore.

Invited speakers include M. Behzad, C. Berge, E. J. Cockayne, R. B. Eggleton, B. D. McKay, C. Praeger, N. J. Pullman, Zhang Zhongfu, Zhong Ji, Zhu Biwen.

A copy of the registration form is enclosed.

For further details please contact Prof. C. C. Chen, Department of Mathematics, National University of Singapore.

### **2. Notices**

Sheila and Neil have no good news to announce.

Anyone else not wishing to announce anything should send U.S \$5 in unmarked Australian \$50 notes to D. A. Holtonovic at the usual address.

### **3. Visitors**

Prof. C. D. Godsil (Simon Fraser University) will be visiting the University of Otago from April 14<sup>th</sup> for a couple of months.

Prof M. D. Plummer (Vanderbilt University) will be visiting the University of Otago from June till August.

Tank will be visiting his mum for Christmas, but not till December.

### **4. Recent Papers**

As there has been only one recent paper sent to me recently I include a full abstract.

## Be Olde Registration forme

Name: ~~Prof./Dr./Mr./Mrs./Miss/Ms~~

\_\_\_\_\_  
(Please use BLOCK LETTERS and underline surname)

Mailing address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Do you plan to submit a paper?

Tentative title? \_\_\_\_\_

Knox College accommodation required for 1 persons from ?  
until ?

Other accommodation required (Please specify) \_\_\_\_\_

\_\_\_\_\_

I will/~~will not~~ attend the conference dinner. I shall be accompanied by 0  
guests

I am enclosing N.Z.\$20 as a deposit and \_\_\_\_\_ as prepayment of my  
registration.

R. B. Eggleton, Rectilinear Drawings of Graphs.

Drawings of finite graphs in the euclidean plane are rectilinear if each edge is a straight line segment. This paper is concerned with the problem of determining which equivalence classes of planar drawings of a finite graph include rectilinear drawings. Several relevant theorems are proved, and the paper concludes with a conjectured solution to the general problem, in terms of a finite set of forbidden subdrawings.

#### 5.XIV ACCMC (Part 2)

The second half of this year's ACCMC will be held in Dunedin from 1-5 December.

#### (i) Invited Speakers

One hour addresses will be given by the following invitees:-

C. C. Chen (Singapore)  
W. Jackson (Goldsmith College, London)  
A. Hartman (IBM, Haifa)

#### (ii) Papers/Proceedings

In addition to the invited lectures, we welcome contributed papers in all areas of pure and applied combinatorics including computing aspects. These will be of 25 minutes duration with 5 minutes allowed for questions.

Potential speakers should send a TITLE and a SHORT ABSTRACT to:-

Professor D. A. Holton,  
Dept. of Mathematics and Statistics,  
University of Otago,  
Box 56, Dunedin,  
New Zealand.

The proceedings of the Dunedin Conference will be published as a special volume of *Ars Combinatoria*. All papers will be refereed. Contributors may submit their manuscripts in final form at the conference, or, failing this, should mail their manuscripts to:

The Editor,  
Ars Combinatoria,  
Department of Computer Science,  
University of Manitoba,  
Winnipeg, Manitoba,  
Canada, R3T 2N2.

Typing instructions will be given in the next newsletter.

(iii) Accommodation

Accommodation has been reserved at Knox College, University of Otago. This university hall of residence is some ten minutes walk from the department of mathematics and statistics. The journey between the two is a delightful one passing through the beautiful woodland setting of the Botanic Gardens with occasional glimpses of the gurgling and picturesque water of Leith.

The cost of accommodation for this idyllic setting should be A\$150/day but we have been able to negotiate a price for dinner, bed and breakfast (no lunch unless requested) for not A\$100/day, nor would you believe A\$50/day but around N.Z.\$35/day. (An exact price will be available in a later circular.)

For those wishing hotel/motel accommodation there are a variety of these residences in the neighbourhood for approximately N.Z.\$40/day, bed only.

(iv) Registration

Registration fees are payable at the conference (though we'll take them any time ahead of time) and will be:

NZ \$95 for non members (giving membership for the year),  
NZ \$88 for members,  
NZ \$50 for students (which includes annual membership).

(v) Social Programme

The usual wine and cheese, cocktail parties and general riotous behaviour are guaranteed.

## Excursions and Sightseeing

**My preference for the excursion** (Please rank the following options numerically, 1 being the most preferred. If something does not interest you then mark it with a cross.)

- Guided two hour walks of the city and/or Botanic Gardens (about N.Z.\$7)
- Bus tour of approximately two and a half hours around the Peninsula visiting the albatross colony, penguin colony etc.(about NZ.\$28)
- Raft down the Taieri River at various places with various levels of difficulty (about N.Z.\$35 for easiest level)
- Half or full day back country 4WD tour - spectacular scenery (about N.Z.\$20 - \$30)
- Three hour harbour cruise (about N.Z.\$20)

I would like to know more about trips to \_\_\_\_\_

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(Please specify type of trip e.g. bus tour, scenic flight etc.)

There are a number of possibilities for the excursion though, that we list below. In the accompanying form we ask you to indicate preferences (in numerical order). Anything you are not interested in please mark with a cross.

Apart from these, various tours or flights can be arranged in the area or across to Queenstown, Milford Sound or Mount Cook. These are probably best done privately at either end of the conference. Please indicate in the appropriate part of the reply form if you require more details.

There will be a conference dinner, which, including drinks, should cost no more than N.Z.\$30/person. It would help the committee if you would indicate if you plan to attend the dinner. Also indicate if you are likely to be accompanied by guests to the dinner.

## **6. Subscription Renewal**

Members are reminded that the 1986 subscriptions for the CMSA fall due on 1st January. The rates are N.Z.\$7 (Aust.\$5) for those in full time employment and N.Z.\$4 (Aust.\$3) otherwise. Those remitting in U.S. funds please send U.S.\$6, U.S.\$3 to cover bank charges. Prompt payment would be appreciated. Please make cheques, drafts etc. payable to the CMSA and post with full name and address to:

R. E. L. Aldred,  
Dept. Maths & Stats,  
University of Otago,  
Box 56, Dunedin,  
New Zealand.