C O M B I N A T O R I C S

Combinatorics is the newsletter of the
Combinatorial Mathematics Society of
Australasia, and is published by the
Society. Annual subscription rate for
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is $A4. All enquiries should be directed
to the C.M.S.A., Dr. L.R.A. Casse, Depart-
ment of Pure Mathematics, University of
Adelaide, Adelaide, S.A., 5001, Australia.

Your Conference reply form has been received

FURTHER CONFERENCE DETAILS

Invited Addresses.

Those who have agreed to give a one-hour invited talk
are

    Professor A. Barlotti, University of Bologna, Italy.
    Dr. J. Hirscheld, University of Sussex, U.K.
    Dr. D. Keedwell, University of Surrey, U.K.
    Professor C.C. Lindner, Auburn University, U.S.A.
    Professor N. Pullman, Queen's University, Canada.
    Professor J.A. Thas, University of Ghent, Belgium.

A further two or three invited addresses are being
organised, but unfortunately the details had not
been finalised at the time of going to press. There
will also be some expository lectures.

GENERAL ANNOUNCEMENTS

1. The Tenth Australian Conference on Combinatorial Mathematics.

    Sponsors.

    We gratefully acknowledge the generous financial support given or
    promised to the conference by the following organisations:

        Department of Pure Mathematics, The University of Adelaide.
        Department of Applied Mathematics,   "   "   "
        Department of Statistics,   "   "   "
        Department of Computing Science,   "   "   "
        T.A.A.
        Australian Mathematical Society
        A.N.Z. Banking Group.

    Contributed Papers.

    Papers are welcome in all areas of pure and applied combinatorics.
    Contributed talks will be allowed thirty minutes each, five minutes
    of which is usually for discussion. If you wish to give a paper,
    please insert the title on the reply form and send a typed abstract
    immediately.

    Overseas Visitors.

    Besides those giving invited addresses, other overseas visitors
    include

        Professor J. Berzsenyi, Lamar University, U.S.A.
        Professor C.C. Chen, National University of Singapore, Singapore.
        Professor C. Colbourn, University of Saskatchewan, Canada.
        Dr. M. Colbourn,   "   "   "   "
        Professor M. Wormald, Louisiana State University, U.S.A.

    Conference Proceedings.

    We expect Springer-Verlag to publish the refereed proceedings of
    the conference in the Lecture Notes in Mathematics series. Pros-
    pective authors are advised that the series editors of LNIM require
    that "The contributions should be of a high standard and of current
    interest. Contributions should contain sufficient information and
    motivation. Except possibly in the case of major surveys, they
    should present at least outlines of the proofs, enough to enable
    an expert to complete them. Thus resumés and mere announcements
    of papers appearing elsewhere cannot be included, although more
    detailed versions of a contribution may well be published in other
    places later".

    All prospective authors are asked to bring their papers with them
    to the conference in a form suitable for refereeing, either typed
    or legibly and neatly handwritten. At the latest, papers will be

required in this form, ready for refereeing, by 30 September, 1982. It is hoped that typing of all papers ready for photo-offset will be done in Adelaide, in order to achieve uniformity throughout the volume.

Accommodation.

Accommodation has been reserved at Aquinas College, Palmer Place, North Adelaide (Phone: 08-2672944). The cost will be $15 for bed and breakfast; lunch ($2.50) and dinner ($3.50) will be available if required. The college is a pleasant fifteen minutes walk from the University campus, but some transport will be provided in the mornings.

If college accommodation is not to your taste, there are a number of inner city hotels and motels within walking distance. However, this tends to be extremely expensive.

Would anybody requiring accommodation at Aquinas College, who has special needs (e.g. vegetarian, physical disability) please advise us when booking.

Parking is available at the college, but definitely not on campus. Some short term (parking meter) parking is usually available nearby.

During the week of the conference, delegates will be honorary members of both the University of Adelaide Union and the Staff Club, and facilities of both will be available for lunch and dinner. There are a number of good restaurants within easy walking distance of the University.

Travel.

We are pleased to announce that the official carrier for the conference is T.A.A. They have been especially generous to us this year. So please contact:

Brisbane	Simon Wellingham	332011
Canberra	Di Mosely	461811
Hobart	Mark Osborne	3853511
Melbourne	Reg Brewer	3451333
Newcastle	Chris Bourke	261544
Perth	Garry Oliver	3230331
Sydney	Mark Clout	6699555

T.A.A. will offer a group discount of 10%. Bear in mind, however, that Apex fares will save you much more. For these, you must book at least a month prior to travel: check conditions with your local T.A.A. agent.

The conference organisers would appreciate notification of date and approximate time of arrival of delegates, by August 10, so that arrangements can be made to meet flights. If you are travelling by car and would like a map of the campus *before* arrival, please ask and we will send you one.

It is anticipated that the conference will close at lunch time on Friday, August 27.

Registration.

Please complete the reply form enclosed, as an indication of intention to register.

Registration fees are payable at the conference, and will be:

- $25 for C.M.S.A. members;
- $30 for non-members (this gives membership of C.M.S.A. for the rest of 1982);
- $12.50 for student members or unemployed members of C.M.S.A.;
- $15 for non-member students or unemployed people (giving membership of C.M.S.A. for the rest of 1982).

(Receipts will be enclosed in your conference folder.)

Display of Publications.

There will be a display of combinatorics books and journals in the Mathematics Building during the conference.

Social Programme.

Sunday, August 22: Registration, wine and cheese, 7.30 p.m. at Aquinas College.

Monday, August 23: Drinks-reception by Vice-Chancellor, 5.45 - 6.45 in Dining Room 2, University of Adelaide Club.

Tuesday, August 24: Games night, 7.30 p.m. at Aquinas College (bridge, chess, backgammon, etc.).

Wednesday, August 25: Excursion to Southern Vales wineries, including an inspection tour of Hardy's. To leave the campus at 1.00 p.m., and return at approximately 6.00 p.m. Cost: $5.00 per person.

Thursday, August 26: Conference Dinner, in North and South Dining Rooms, of the University Union. Pre-dinner drinks at 7.00 p.m., dinner at 7.30 p.m. Cost: $15.00 per person.

Both T.A.A. and the State Government Tourist Bureau arrange tours of Adelaide and its environs for those who might wish to extend their stay in Adelaide.

Further Information.

Since this is the last notice before the conference begins, any further queries should be addressed to the convenor,

> Dr. L.R.A. Casse,
> Department of Pure Mathematics,
> The University of Adelaide,
> Adelaide, 5001.

2. Overseas Visitors.

Dr. J.W. Hirschfeld, of the U.K., will be a Visiting Scholar at the University of Sydney from August 15, 1982 until September 15, 1982. Contact address:

> c/- Department of Mathematics,
> University of Sydney.

Professor J.A. Thas, of Belgium, will be a Distinguished Visiting Scholar at the University of Adelaide for the month of August, 1982. Contact address:

> c/- Dr. L.R.A. Casse,
> Department of Pure Mathematics,
> The University of Adelaide.

Professor N. Pullman, of Canada, is currently visiting the University of Newcastle, and will be here until September.

Professor C.C. Chen, of Singapore, is currently visiting Melbourne University, and will be there until the conference is held.

Dr. D. Keedwell, of the U.K., will be in Adelaide during the week of the conference, and afterwards, will be visiting the eastern states. Contact either:

Dr. L.R.A. Casse,   or   Professor W. Wallis,
  as above,   c/- Mathematics Department,
                            University of Newcastle.

3. Titbits for publication can be sent to Rey Casse, Department of Pure Mathematics, The University of Adelaide, Box 498, G.P.O., Adelaide, S.A., 5001.

Titbits = $\begin{cases} \text{abstracts, new graduates,} \\ \text{problems, solutions,} \\ \text{new papers, ...} \end{cases}$

4. Subscription renewal.

Members are reminded that their 1982 subscription fell due on 1 January. The rates remain at $A4 for those in full-time employment and $A2 otherwise. *If a tick appears in the box above*, your subscription had not been received at time of mailing. Prompt payment would be appreciated. Please make cheques, etc., payable to C.M.S.A. and post with full name, address, and telephone number to: Dr. L.R.A. Casse, Director, Department of Pure Mathematics, The University of Adelaide, Adelaide, S.A., 5001.

Receipts are enclosed for those paid up members who have not already received them. Because of the costs of cashing cheques in $U.S., would those members who wish to pay in cheques in $U.S. please send $U.S.6.00. Would those who have underpaid please add $U.S.1.00 to next year's subscription.

5. Change of address.

   Professor R. Robinson,
   Southern Illinois University,
   Carbondale, Illinois, 62901,
   U.S.A.

   Congratulations, Bob, on your new appointment.

6. It is planned to publish a list of journal addresses in Australasia.
   We wish to include only journals for which submissions can be made
   within Australasia - either journals published here or journals
   with at least one editor in this area. As a general rule, the list
   should include any journal to which the submission of a paper in
   pure or applied combinatorics would be appropriate, and also news-
   letters of combinatorial interest. Please send details of any
   journals with which you are associated, and any suggested titles
   which may otherwise escape our notice, to

                    Professor W. Wallis,
                    Department of Mathematics,
                    University of Newcastle,
                    Shortland, N.S.W., 2307.

7. Trivia.

   On a lighter note, combinatorics managed to make the sports pages
   of the Sunday Times, during October, with a problem about marking
   out a rugby field, without having to walk any further than necessary.
   Also, Ars Combinatoria† was described as a "pretentious bore"
   (amongst other things) in the Guardian (16/9/81).

   † The "Ars Combinatoria" referred to in the Editorial was in fact
   a piece of music, although the music critic of the Guardian would
   certainly dispute that!

                         - British Combinatorial Bulletin, 1981-82.

8. Forthcoming Conferences.

   British Combinatorial Conference, 11th-15th July, 1983.

   Southampton, Hampshire, England. Further details can be obtained
   from Dr. A.D. Keedwell, Department of Mathematics, University of
   Surrey, Guilford, Surrey, GU2 5XH.

   The Combinatorial Mathematics Society of Australasia hopes to hold
   its 1983 conference in New Zealand.