

# DALTONIANA

NEWSLETTER

OF THE INTERNATIONAL RESEARCH GROUP ON COLOUR VISION DEFICIENCIES

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## IRGCVD NEWS

This issue contains:

- 1) Preliminary announcement for the 1993 Symposium
- 2) Appeal for abstracts and reviews for the literature survey
- 3) Short account of the Sydney Symposium
- 4) Members address list
- 5) Advertisement: Proceedings of the 1989 and 1991 symposia.

### 1993 IRGCVD Symposium, Tübingen

A local organising committee has been formed and has started its work of preparation. Its members are: Eberhart Zrenner, Anne Kurtenbach, Lukas Rüttiger, Christian Wehrhahn, Andrea Friedrichs, Elke Günter, Manfred Fahle and Ralf-Peter Tornow. A preliminary notice will be circulated shortly with an invitation to submit abstracts. Make a note of the dates in your diary: the Symposium will commence on Sunday 18 July and end after lunch on Thursday 22 July. The principal themes of the symposium will be introduced by three key-note speakers:

Prof Marion Marré on "Scotopization" (cone-rod interaction),  
Prof Semir Seki on "The anatomy of colour vision",  
Prof Eberhart Zrenner on "The 'blue' cone".

The last morning will be devoted to a workshop on "Measuring colour surfaces and monitors".

Free communications will be welcome on all aspects of colour vision in the form of short verbal reports or as posters. Both forms have equal scientific standing and authors will be encouraged to submit a full manuscript for the proceedings volume "Colour Vision Deficiencies XII" to its editor Dr Bruce Drum.

Tübingen is a small medieval university town on the river Neckar near Stuttgart. A preview of the planned social programme indicates that we are in for a pleasant time. Let's make sure that the scientific programme is equally enjoyable!

### Literature Survey

The literature survey is regarded highly by IRGCVD members and is seen as one of the prime functions of Daltoniana. However, despite assurances of help, the flow of abstracts and reviews from authors and contributors alike has ceased like a winterbourne in summer. While the editor prays for rain, some human intervention in maintaining this important service to members would be very much appreciated.

## Short report on Xlth Symposium of the International Research Group on Colour Vision Deficiencies in Sydney

We conclude the series of reports on the 1991 Sydney Symposium by young scientists who received travel grant support through the IRGCVD with a short article by Jörg Sommerhalder from Geneva.

First, I would like to express my thanks to the organising committee which provided a grant covering 3/4 of the travel cost between Geneva and Sydney. It was important for me to participate in this congress. I was able to demonstrate our Color Vision Meter, a collaborative development with Swiss industry based on the prototype 2-equation anomaloscope that was presented at the 1989 Symposium. This provided me with the opportunity to meet experts in the field and to discuss the subject with them.

While our demonstration, at the entrance of the lecture hall, was successful there were important limitations. Several participants had already seen a prototype of this instrument before in Cagliari and, since the time during the breaks was short, detailed discussion had to be curtailed.

The contributions to this congress were less numerous than the last symposium in Cagliari. No doubt, the long voyage deterred many potential contributors from attending but the increased presentation and discussion time resulted in an enhanced quality which I found very stimulating. However, I was disturbed by the amount of time spent on research work based on plate and arrangement tests. This, in spite of the fact that they are less precise than metameric color matching.

Genetics and basic color vision research are becoming increasingly important in bio-medical research. Unfortunately, this is not my major field so I experienced some difficulty in following these talks. (I had problems also at another level of communication with rapidly spoken American English)

I enjoyed Professor Cole's paper "Does defective color vision really matter?". He made the connection between work and every day life. It is important that the persons working in research should not lose sight of possible applications of their work. Very interesting for me also was Professor Moreland's contribution, which described how an optimal anomaloscope using the Rayleigh and Moreland equations should be designed. The Color Vision Meter that we showed at the Symposium is not far from this proposition.

I finished my stay in Australia with a quick trip - in good company - around Cairns and Darwin. I saw many interesting things and hope to return for a longer trip through the country of Crocodile Dundee.

Jörg Sommerhalder

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