



Newsletter 9
1994



INTERNATIONAL ASSOCIATION OF COLOUR

Founded in Washington D.C., United States of America, 1967

First President: Dr William David Wright

AIC Meetings include:

1984 Interim Meeting, Salamanca, Spain

1985 Fifth Congress, Monte Carlo, Monaco

1986 Interim Meeting, Toronto, Canada

1987 Midterm Meeting, Florence, Italy

1988 Interim Meeting, Winterthur, Switzerland

1989 Sixth Congress, Buenos Aires, Argentina

1990 Interim Meeting, Berlin, Germany

1991 Midterm Meeting, Sydney, Australia

1992 Interim Meeting, Princeton, United States of America

1993 Seventh Congress, Budapest, Hungary

1994 Interim Meeting, Cambridge, England

1995 Midterm Meeting, Berlin, Germany

1996 Interim Meeting, Gothenburg, Sweden

1997 Eighth Congress, Kyoto, Japan

CONTENTS

AIC Member Organisations	4
AIC Executive Committee 1994	6
President's Report	7
Editorial	8
Tresurer's Report 1994	10
Minutes of the AIC EC Meeting 1994	11
Proposal for Study Group: Virtual Reality	14
The Spanish Colour Committee	15
South African Colour Science Association	15
The Argentine Color Group News	16
JERMOV Report	19
The Colour Society of Australia	20
The Hungarian Colour Committee Report	22
Daltoniana/IRGCVD News	24
The Colour Group (Great Britain)	25
Inter-Society Color Council News	26
AIC Midterm Meeting, Berlin 1995	28

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International Association of Colour
Association Internationale de la Couleur
Internationale Vereinigung für die Farbe

President's Report Year 27

December 1994

Professor Dr Lucia Rositani Ronchi

THE DISTRIBUTION of this AIC Newsletter, one year after the Report compiled by **Mr Paul Green-Armytage** (Australia), seems to me a favourable event in encouraging further exchange of ideas and information about the national and international activities between AIC member bodies and associates.

At the Seventh Congress in Budapest, Hungary, in June, 1993, **Dr Alan Robertson** (Canada) and his Executive Committee presented a healthy AIC, aspiring to high scientific standards. It seems appropriate to me to conform to previous guidelines that the AIC is a "forum" and a non-profitmaking, cultural organisation.

I am grateful to Dr Robertson for his continued advice, as well as for his assistance, within the AIC framework, in the revision, with EC member **Mr Roy Osborne** (England), of specific AIC Statutes.

As President emeritus, Dr Robertson remains active in agreeing to organise the AIC Midterm Meeting, to take place in Berlin in September, 1995. I am grateful also to **Professor Dr Heinz Terstige** (Germany) for his major contribution in the organisation of this event.

I thank EC member **Dr Lars Sivik** (Sweden) for his part in organising the Interim AIC Meeting in Gothenburg, Sweden, in 1996, to focus on the psychology of colour, and thus further broaden AIC affiliations.

Dr Kees Van Trigt (The Netherlands) continues to devote his invaluable expertise as Secretary and Treasurer within the AIC Executive Committee.

Since receiving the warm hospitality of the Colour Group (Great Britain), and after the successful Interim AIC Meeting, co-ordinated by **Dr Michael Pointer**, in Cambridge in April, 1994, I have been in frequent contact with the new EC members and am grateful for their co-operation. EC member **Ms Paula Alessi** is keeping me in contact with the colour community in the United States. EC member **Mr Frank Rochow** (Germany) is proposing a new AIC Study Group on Virtual Reality Generated on Displays.

AIC Vice-President **Professor Mitsuo Ikeda** (Japan) is already at work preparing, with the assistance of his formidable team, the Eighth AIC Congress, to take place in Kyoto in May, 1997.

President's Report (concl.)

Personally, I have been tackling with EC members the problem of the **AIC Study Groups**.

Their "speed" is inversely proportional to the extent of the matter they encompass. Since modern life is characterised by so much haste, I have suggested the creation of some goal-directed and self-sufficient sub-groups, capable of short-term conclusions.

The proposal appears acceptable in the example of the AIC Study Group on Visual Illusions and Effects. Should its Chairman, **Professor Osvaldo da Pos** (Italy), be unable to report to the Midterm Meeting in Berlin, someone else (such as myself, as supervisor) will present the results of its various sub-groups.

This is also the case with the AIC Study/Interest Group on Environmental Colour Design (ECD). I met with its Chairman, **Dr Leonhard Oberascher** (Austria), on two occasions in 1994. The ECD sub-group for Terminology in Urban Design has prepared an annotated glossary available for comment on a wider scale.

At the 1995 Berlin Meeting I intend to propose something similar for the AIC Study Group on Colour Education, chaired by **Dr Eric Melse** (The Netherlands).

Editorial, December 1994

Roy Osborne MA

The AIC 1993 NEWSLETTER, compiled and edited by **Mr Paul Green-Armytage** (Curtin University of Technology, Western Australia), was distributed to AIC Members in February, 1994. The Newsletter included information about the AIC Seventh Congress, organised by the Hungarian National Colour Committee, and held at the Technical University of Budapest, 14-18 June, 1993.

The AIC Interim Meeting, "Images in Colour", was held at Robinson College, University of Cambridge, England, on 10-12 April 1994. The residential symposium was organised jointly by the Colour Group (Great Britain) and the Royal Photographic Society (Imaging Science and Technology Group). Registration was co-ordinated by **Dr Michael Pointer** (Kodak Ltd Research Division, Harrow), Chairman of the IS&T Group.

Invited lecturers included **Dr Roy Berns** (Rochester Institute of Technology Munsell Color Science Laboratory, New York) and **Dr Geoffrey Attridge** (University of Westminster, London). The third C. James Bartleson Award was presented to **Dr Ronnier Luo** (University of Derby Design Research Centre, England).

Editorial (concl.)

The Proceedings of the AIC 1994 Interim Meeting were published in The Journal of Photographic Science, Volume 42, No. 3, The Royal Photographic Society of Great Britain, The Octagon, Milsom Street, Bath BA1 1DN, England.

AIC Study Group on Visual Illusions and Effects. A first Report was presented by **Professor Osvado da Pos** (University of Padua Department of General Psychology, Italy), at the AIC Interim Conference in Cambridge in April. Professor da Pos reported on initial collection and classification of data and material, and the formation of a number of subgroups, devoted to the study of practical applications. A time-schedule of two years was proposed for further study

AIC International Study/Interest Group on Environmental Colour Design (EDC). During the AIC 1994 Congress, its Chairman, **Dr Leonhard Oberascher** (University of Salzburg, Austria), informed ECD about the possibility to include ECD news and articles in the publication of Colour+Design Yearbook, an extension, in the English language, of Farbe+Design. Discussions are still in progress.

The 1995 AIC Midterm Meeting on Colorimetry, co-ordinated by **Professor Dr Heinz Terstige**, is to be held in Berlin, Germany, on 4-6 September. Please see page 24 of the Newsletter for further details.

Nominations for 1995 Judd-AIC Award have been received and distributed to EC members. The award was established in 1975 to recognise work of inter-national importance in the fields of colour perception, colour measurement, or colour technology, with funds provided by **Mrs Deane Brewster Judd** (USA).

The AIC Executive Committee unanimously accepted a proposal from the Swedish Colour Centre Foundation that the 1996 AIC Interim Meeting, on the subject of "Colour Meaning", be held in Gothenburg (Goteborg), Sweden, in June or September.

The 1997 AIC Eighth Congress is to be hosted by the Color Science Association of Japan, and held at the Kyoto International Conference Hall (KICHC), Kyoto, Japan, on 26-30 May. The President of CSAJ is **Dr Leo Mori**, and the Chairman of the Organising Committee is **Professor Mitsuo Ikeda**. The first Circular will be issued in July, 1995.

Please send contributions for the 1995 AIC Newsletter to
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International Color Association
Association Internationale de la Couleur
Internationale Vereinigung für die Farbe

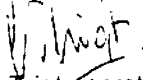
REPORT OF THE SECRETARY / TREASURER TO THE EXECUTIVE COMMITTEE OF
THE AIC, CAMBRIDGE, APRIL 1994.

State of account in SF

Assets Jan 1993	deposit	25247.32
	giro	<u>4106.80</u>
	total	29354.12
Interest from bank	1550.21	
Subscriptions	2981.49	
Expenditures	<u>-624.--</u>	
Net result	3907.70	<u>3907.70</u>
		33261.82
Assets December 1993	deposit	30795.17
	giro	<u>2466.65</u>
	total	33261.82

Belgium and Canada have not paid their subscriptions since 1990 and 1989 .

Heeze, March 15, 1994.


Dr. C. van Trigt, Secretary / treasurer AIC



International Color Association
Association Internationale de la Couleur
Internationale Vereinigung für die Farbe

Minutes of the AIC Executive Committee meeting,
Saturday April 10 1994, 9.00 am - 3.30 pm, Robinson College, Cambridge, England.

present: Mitsuo Ikeda, Roy Osborne, Frank Rochow, Lucia Ronchi (chairperson), Lars Sivik, Kees van Trigt. Apologies for absence were received from Paula Alessi; guest: Alan Robertson, retiring AIC president.

1. Welcoming address. L. Ronchi welcomed members of the new EC, regretting that P. Alessi was unable to attend, owing to illness, and A. Robertson.

2. The AIC in the past quadrennium, at present and in the future. A. Robertson presented a document, prepared by him with suggestions what the new AIC should turn its immediate attention to. L. Ronchi thanked A. Robertson for his contribution. M. Ikeda presented the names of the people in the steering committee of Color 1997, Kyoto. The logo was discussed at some length.

3. Report of secretary/treasurer. Minutes of the AIC Executive Committee meeting, Budapest, June 12, were approved. The formal financial report concerning the year 1993 together with the report of the auditor J. Hutchings was presented and approved. No report of the other auditor J. Walraven was received because he had lost what was sent to him. He will be sent again the financial report and asked to report (up to now, September, J. Walraven has not answered despite several reminders). The AIC's financial affairs are healthy; it is in receipt of some SF. 2000 per annum from member organisations and receives interest from its funds SF. 30.000. The only major expenditure of the AIC is the travel expenses for the AIC Judd-Award. It was suggested, see also minutes meeting Budapest, that AIC should balance income and expenditure. AIC study groups will be assisted financially, if they present an annual report. No employer should be expected to bear the costs of AIC correspondence. Suggestions were requested for agreeable expenditure of AIC funds. Canada has not paid the subscription fees for a number of years and has passed the SF 500 limit. K. van Trigt will send a formal letter to A. Robertson inviting Canada either to pay or to be expelled on December 31, 1994. Belgium has not kept its promise to pay.

4. The AIC newsletter 1993 prepared by P. Green-Armytage was received in February. New editor is R. Osborne. The newsletter should contain news of future meetings. All information received will be appreciated (Attention: 2nd Color Imaging Conference, November 15-18, 1994, Scottsdale, Arizona, contact: Ron Gentile, Adobe Systems Inc., 1585 Charleston Road, Mnt. View, Ca 94039-7900; Colour Communication, April 19-21 1995, The Renold Conference Centre, Umist, Manchester, UK, contact: Mrs. P.A. Leigh, CE Office, Umist, P.O. Box 88, Manchester M 60 1QD).

5. Future AIC meetings. After India also Pro Colore, Switzerland, has withdrawn its invitation to host an AIC meeting in 1995. The invitation by Germany to organize an interim meeting in Berlin, proposed dates 3-6 September, proposed subject device independent colorimetry, was accepted. H. Terstiege will be informed. The similar invitation by Bulgaria, proposed subject color education, was not accepted because a conference on that subject will be held in Helsinki in August 1994. Furthermore, the study group on Color Education cannot give support, since

E. Melse's first concern is to get the group active again. T. Kechlibarov will be informed by L. Ronchi. L. Sivik informally proposed that the AIC interim meeting 1996 be held in Sweden. A formal invitation from Sweden is welcomed. M. Ikeda reports on the progress with respect to the Color 97, Kyoto. He receives EC approval to use variations of the AIC logo, including a calligraphic design. No decisions could be taken concerning the 1998 midterm conference. The 1999 meeting should preferentially be held in the country in which also the CIE meeting is held, as was the intention with respect of the 1995 meeting.

The AIC statutes state that organising an AIC meeting is entirely the responsibility of the host. The AIC cannot offer resources sufficient to undertake such a task. The Guidelines for the organisation of AIC conferences need modification. In particular, in the sentence: 'ideally, the price of the AIC Proceedings should be included in the Congress registration fee' the word 'ideally' should be removed. Problems like those in Budapest, 1993, will then be prevented.

6 AIC study groups. AIC study group on Color Education. Chairman E. Melse succeeding Mrs N. Howard who has officially resigned. Progress of group to be monitored by K. van Trigt. E. Melse cannot be expected to attend meetings on a regular basis; he lectures on color but has no professional status as an educator.

AIC study group on Visual illusions, chairman O. da Pos. Progress of group to be monitored by L. Ronchi. Preparatory work will be presented by da Pos prior to the AIC 1994 meeting.

AIC study group on Environmental Color Design. No annual report received. Progress of group to be monitored by L. Sivik. Situation is unclear; letters are not answered. L. Sivik will contact L. Oberascher. AIC has never had fee-paying individuals so that the EDC subscribers paying money to L. Oberascher presents something of an anomaly.

F. Rochow suggests the possibility of a study group on virtual reality. Definite proposals by him are awaited and are to be published in the Newsletter.

A. Rodrigues had proposed extending the AIC guidelines to include information about the study groups. L. Ronchi anticipated receipt of this otherwise the task will be completed by R. Osborne.

7. The Judd-Award. L. Ronchi will send letter to national members soliciting nominations for the Judd-Award, to be sent to K. van Trigt before July 1, 1994, who will distribute nominations to the E.C. members (nominations received: A. Nemscics from Hungary, F. Bilmeyer, J. Krauskopf, R. Weale from England, A. Robertson from Italy, H. Terstiege from Germany, A. Hard, G. Tonquist and L. Sivik, all together, from Australia*. All nominations except those by England were accompanied by a list of publications).

A. Robertson stressed the need for selecting a recipient well in advance of the presentation. Selection of the recipient by Executive Committee. Recipient is informed and invited to prepare a lecture to be given at receiving the engraved medal. It was not felt necessary that an award should be presented every two years; there could be a four year interval if no worthy candidates are found. R. Osborne stressed that the award must be made for work in colour perception, colour measurement or color technology, thereby, not unfairly, excluding designers.

R. Hunt has been mistakenly excluded from the list published in the AIC 1993 report.

* M Ikeda from Japan
+ and by Japan

8. Views from new AIC EC committee members.

K.van Trigt suggests increased exposure of AIC, for example, by linking its meetings with those of other organizations, whenever practicable. Persons who would not travel for a two-day AIC meeting may be more motivated to do so for larger related events (at the conference L.Baker from SPIE contacted members from the EC and discussed cooperation with SPIE). On the issue of 'colour consultancy'. EC members had read copies of the correspondence circulated by L.Ronchi from P.Green-Armytage, M.Ikeda and C.Burton. It was decided that

establishing an international standard for 'colour consultant' or even a standardised definition of the term is outside the concerns and powers of the AIC. Regulating qualifications for those persons wishing to call themselves 'colour consultant' should, perhaps regrettably, be the concern of national or regional authorities. It was decided to advise E.Melse not to open a sub-group on the subject.

No individual persons may consider themselves representative of the AIC, with the possible exception of acting AIC EC members, and even they should be discouraged from exploiting their position as symbolic of a professional status. AIC affiliation should not, for example, be included on a business card, nor presented in advertising material.

9. Member countries, observers, new affiliation.

Application for observer status received from Mrs. Urland, Slovakia. The EC decided to accept her as an observer effective from January 1, 1995. K. van Trigt will inform her.

10. Others. The EC decided to endorse the establishment of 'La maison de la couleur'. K.van Trigt will send a letter of support to the French organization.

A.Robertson informed the EC that, regrettably, the Canadian Society of Clour is virtually defunct. W.Adrian is retiring soon. Perhaps an individual can act as an AIC observer.

A colour conference will be held in Valencia, Spain, 12-14 September, 1994.

11. The next AIC EC meeting in Berlin, prior to the start of the 1995 meeting, i.e. on Sunday, September 3, 1995, opening early in the morning

12. Attendants were thanked by L.Ronchi who closed the meeting.

Actions: AIC newsletter, revision Guidelines (5) by R.Osborne.

Heeze, September 13, 1994.

Parts between parentheses do not belong to the minutes and mean additional information.



K van Trigt, secretary/ treasurer AIC,
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Help by Roy Osborne is acknowledged.

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DATEIAIC0311

November 3rd, 1994, Berlin

Ref.: AIC Report 1994

Dear Mr. Osborne,

as discussed during the EC-meeting in April I would like to invite interested people to respond to my suggestion to establish a new AIC Study Group "Virtual Reality".

Please publish the following (after your highly appreciated editing) in the 1994 AIC Report:

Proposal for a new AIC Study Group

Virtual Reality Generated on Displays

In the technical world "Virtual Reality" is used in various applications like education, process-simulation, architecture, games, aircraft handling, military, etc.

Nearly all of the possible tasks need interactive communications between human operators/observers and the machine generating the virtual reality.

Besides the "input"-sensors to control or influence the scene the "output"-media are the most important components of the interactive part of the setup.

Visual outputs are mainly done via displays of various kinds (CRTs, goggles, screens etc.).

As the new study group would be unable to cover all fields of virtual reality a limitation to architecture/arts-related applications seems to be a part of common interest.

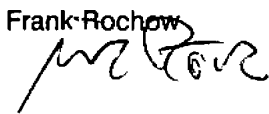
The presentation on output-media, especially the demands related to color should be researched in the new study group.

Before starting this new study group it is necessary to find out who within AIC is able to contribute to and would like to work in this study group.

Everybody interested please respond to

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Regards

Frank Rochow


THE SPANISH COLOUR COMMITTEE
COMITE ESPANOL DE COLOR

The Spanish Colour Committee joined with the University of Granada to organize the National Colour Congress III. The meeting was held 12-13 September, 1994, in the Conference Hall of Granada. The Chairman of the Organizing Committee was **Professor Javier Romero** of the University of Granada.

The meeting was attended by about 100 persons, coming from different fields: physicists, biochemists, architects, art professors, artists, etc. Fifty-six papers were presented: 22 spoken presentations and 34 posters. The three invited speakers were **Dr Lucia Ronchi** (President of the AIC, Professor of the National Institute of Optics, Florence), **Dr Antonio Pérez** (Professor of Fine Art, University of Granada) and **Dr César Urtubia** (Professor of the School of Optometry of Terrassa, Barcelona).

Among other participants were representatives of different companies (Spi, Lasing, Phywe, Essilor, Topcon, Indo, among others) who exhibited their various products.

In the business meeting, the Committee decided to hold the next conference in three years time in Badajoz or Cadiz. **Dr José María Artigas** was elected the new President of the Spanish Colour Committee.

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24 November 1994

SOUTH AFRICAN COLOUR SCIENCE ASSOCIATION

At the Annual General Meeting of the SACSA, it was agreed that SAVSA should become a member of the South African National Committee on Illumination (SANCI) while retaining Full Membership of the AIC. SANCI is the International Commission on Illumination (CIE) Member for the Republic of South Africa.

SANCI had agreed that papers be invited each year for their Annual Conference that incorporate colour art and technology.

Mr John T. Grundy, Director, Duncansby (Pty) Ltd.
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Republic of South Africa.

25 October 1994



NEWS FROM THE ARGENTINE COLOR GROUP

ARGENCOLOR 1994 - THE SECOND ARGENTINE CONGRESS ON COLOR

The meeting was held during September 26-28, 1994, at the School of Fine Arts of La Plata National University. In the oral sessions, the following papers were presented:

José Luis Caivano

La significación del color: Semiótica y teoría del color
[The meaning of color: Semiotics and color theory]

Elda Cerrato, Graciela Schuster, and Fernanda Heras

Una revisión de los aspectos teóricos y técnicos de los estudios sobre color. Tentativas de formalización del repertorio de los distintos enfoques sobre color

[A review of the theoretical and technical aspects in color studies. Attempts to the formalization of the repertoire of the different approaches to color]

Cristina Manganiello

El color como elemento comunicacional y su significado, en relación a la concreción de una idea/mensaje visual

[Color as a communicational element and its meaning in regard to the materialization of a visual idea/message]

Gloria Antonioli et al.

Coloreando (video educativo)

[Coloring (educational video)]

Lelia Roco and Horacio Anzorena

Las armonías del color según Arnheim-Garau

[Color harmonies according to Arnheim-Garau]

Roberto Daniel Lozano

Un programa de computación para encontrar colores armónicos

[A computer program to find harmonic colors]

María Mercedes Avila

El color en el espacio urbano: Caso Córdoba

[Color in urban space: The case of Córdoba]

Marta Polo and Cecilia Kreutzer

El color: Un componente de cualificación y significación del ambiente urbano

[Color: A component for the qualification and meaning of the urban environment]

María M. Mariconde, Héctor Simoni, and Silvina Valdés

El color como determinante del contenido vivencial y orientativo de los lugares urbanos. Lectura de ámbitos urbanos de la ciudad de Córdoba

[Color as the determinant of the life and orientational content of urban places. Interpretation of urban spaces of Córdoba city]

Elba Luján Martiré Quiroga

El color en la confección de prendas deportivas

[Color in the manufacture of sport clothes]



Grupo Argentino
del Color

Ana María Bras

El color en el diseño de indumentaria
[Color in clothing design]

Diana Varela

Valor y uso del color en el diseño precolombino
[Value and use of color in pre-Columbian design]

Andrea Pappier

Policromía arquitectónica: Posturas teóricas de los siglos XIX y XX
[Architectonic polychromy: Theoretical attitudes in the 19th and 20th centuries]

Lilian Marcos

El color en el medio ambiente como código social popular
[Color in the environment as a popular social code]

María Luisa Punte

Color y crimen colectivo en La visita de una anciana dama de F. Dürrenmatt
[Color and collective crime in *Der Besuch der alten Dame* by F. Dürrenmatt]

Elda Cerrato, Graciela Schuster, and Fernanda Heras

La relación forma-color: Una estructura interactiva
[Color and form relation: An interactive structure]

José Luis Caivano

Cesia: Su relación con el color a partir de la teoría tricromática
[Cesia: Its relation to color from the trichromatic theory]

Alejandro R. Biondini and María L. Fago de Mattiello

Modelo de oponencia cromática. Evidencias electrofisiológicas
[Model of chromatic opponence. Electrophysiological evidences]

M. del V. Brizuela, M. L. Fago de Mattiello, and A. Tonti

Estudio de la respuesta temporal del sistema visual a pares monocromáticos
[A study of the temporal response of the visual system to monochromatic pairs]

B. Barán, M. Ordóñez, J. Velázquez, A. Bertelle, and O. Díaz

Determinación de vanadio en pigmentos azules de zircon-vanadio
[Determination of vanadium in blue pigments of zircon-vanadium]

Jorge González and Eduardo Delamano

Introducción a la colorimetría dental
[An introduction to tooth colorimetry]

Roberto Daniel Lozano

Un programa de computación para el control de calidad del color del producto industrial
[A computer program for the quality control of the industrial product]



Grupo Argentino
del Color

In addition, there was one round table on Color Order Systems:

María L. Fago de Mattiello

Ostwald System and DIN System

Roberto Daniel Lozano

Munsell System and OSA System

José Luis Caivano

Coloroid System and Natural Color System

Antonio A. Alvarez

Numeric Systems: CIE and derivates

Alejandro R. Biondini, chairman

The meeting was attended by one hundred and sixty persons coming from different fields: architects, textile and graphic designers, stage designers, decorators, art professors, plastic artists, physicists, physicians, tooth technicians, chemicals, engineers, students, business men, and manufacturers.

Among the participants were people from various National Universities (Buenos Aires, La Plata, Córdoba, Cuyo, Centro, Mar del Plata, Misiones, Rosario, Tucumán, San Juan, Technological), as well as participants from private Universities, National Schools of Fine Arts, Technical Schools, Museums, the National Council for Scientific and Technical Research, the National Institute of Industrial Technology, the Argentine Institute for Standardization, and various companies.

At present, the Argentine Color Group is working on the publication of the Proceedings, as well as on the preparation of the Third Argentine Congress on Color, scheduled for 1996.

NEW EXECUTIVE COMMITTEE OF THE ARGENTINE COLOR GROUP

After the meeting, the bi-annual assembly of the Group was held, with election of new authorities. This is the new executive committee:

President: Arch. José Luis Caivano

Secretary: Lic. Antonio Alvarez

Treasurer: Lic. Roberto Daniel Lozano

Members: Prof. Cristina Manganiello

Mr. Juan Luis Ferrari

Mr. Salvador Melita

Arch. Diana Varela

Mr. Eduardo Delamano

Mr. Mauricio Rinaldi

Lic. Silvio Roldán

Address of the Argentine Color Group:

Casilla de Correo 157

1650 San Martín, Prov. de Buenos Aires

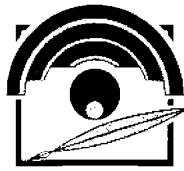
Argentina

Delegate in Europe:

Mr. Gustavo Defeo

Via Paolo Maioli 6, 56027 San Miniato Alto

Pisa, Italia. Fax (39-571) 33-234



JERMOV
JOINT EUROPEAN RESEARCH MEETINGS
IN OPHTHALMOLOGY AND VISION

Dear Colleague,

JERMOV, the Joint European Research Meetings in Ophthalmology and Vision, held in Montpellier (France) on October 15/19 1994, was a great success. Together, AER (Association for Eye Research), ECORA (European Community Ophthalmic Research Association), The European chapter of ISCEV (International Society for Clinical Electrophysiology in Vision), OOG (Ophthalmic Oncology Group), ECC (European Cornea Conference) and EEBA (European Eye Bank Association) organised this meeting with about 800 registered participants.

Three days of presentation of 550 scientific papers or posters and a warm atmosphere of friendly discussions fulfilled the aims of this effort, a unique forum for all people involved in Ophthalmic Research in a single large integrated congress.

Most of the participating Societies have already announced their decision to meet again next year under the umbrella of JERMOV in

Montpellier on October 14-18 1995.

We invite all specialised Societies and all groups interested in Ophthalmic and Vision Research to join us for this second meeting. We encourage all basic and clinical research workers in the field to come and sample the taste of progress in research, presented in a joint meeting by European Research Associations working together towards a common goal.

It will not be possible to send you a reminder of this invitation. The "registration and call for papers" announcement will be sent only to those who have returned the reply coupon.

Looking forward to meeting you in Montpellier next year.

Yours sincerely

THE JERMOV COMMITTEE

Pr. G. COSCAS	President
Pr. M. SPITZNAS	Vice President
Pr. A.J. BRON	Vice President
Pr. C.J. BONNE	Local Secretary
Pr. L. MISSOTEN	Programme Secretary
Pr. G. RENARD	General Secretary & Treasurer

THE COLOUR SOCIETY OF AUSTRALIA

The Colour Society of Australia "works" thanks in large part to the vision of our founder, Bryan Powell, who was determined that it be a truly national society. Most of the activities take place at a local level - at divisional meetings in the state capitals: Sydney, Melbourne, Perth, Adelaide and Brisbane, and in the national capital, Canberra. But there is still a strong sense that we are part of a larger network. This is sustained partly by the fact that membership fees are all sent to the national treasurer who then sends a portion of the membership fees back to the Divisions for local use. It has been a ponderous arrangement, but in retrospect I know that Bryan was right to resist an early suggestion (from my local Division!) that it work the other way round with the local organisation collecting membership fees and sending a portion to the national treasurer. The distribution of funds might end up the same but the present arrangement ensures central co-ordination and it removes the temptation for local groups to go their own ways. There is also the annual reminder that it is a national society when it is time to renew membership.

National funds are used for three main purposes, all of which promote the notion of its being a national organisation. One is the compilation and distribution of the list of members. The others are the publication of the national newsletter *Spectrum* and support for the biennial conference.

The conferences are the Society's most important events. They have been held in Perth in 1987, Melbourne in 1989, and Adelaide in 1993. The 1991 conference was also the AIC Interim Meeting, *Colour and Light*, in Sydney. In 1995 we will return to Melbourne. For each conference we have international speakers. The World came to Sydney in 1991, but Anders Hård and Frans Gerritsen were in Perth, Keith McLaren was our guest in Melbourne in 1989 and Enid Verity in Adelaide. The Melbourne committee for the 1995 conference are currently finalising the arrangements for the visit of Roy Berns.

The Society now has enough money in reserve to be able to guarantee that no local Division will lose money from organising the national conference. This principle was established last year and worked very well. \$2,000.00 was advanced to the South Australian organising committee in Adelaide. This enabled them to book the venue well in advance and make arrangements for the visit of Enid Verity. In the event they made enough profit from the conference that they were able to return the money, but it was always intended that they should keep whatever they needed to make sure they broke even. The same sum has been sent to Melbourne for 1995. Even though we have every confidence that they will do better than break even, the money in advance is a great help in the early planning stages.

For all the importance of the national conferences, not all members can afford to go. But all members do receive *Spectrum*. This was originally intended to be a genuine national newsletter and the source of all information about past and future activities in all Divisions. This was one part of the vision that didn't really work. People were not good at sending information in time to be useful or it was too difficult to synchronise publication dates and the release of local announcements. It has now been agreed that local announcements will be sent by divisional secretaries to each other as well as to local members so that each local secretary can be a source of information about upcoming events throughout the country.

Meanwhile *Spectrum* has evolved. Information about major future events is still published because this information is usually available well in advance. But the focus has shifted to reporting past Society activities and, especially, to publishing articles.

This is a particularly effective way of spreading the benefits of the conferences. It began when the papers received for the Melbourne conference were "serialised" in subsequent issues of *Spectrum*. Now we are reading some of the papers from the Adelaide conference. *Spectrum* is becoming much more than a newsletter. Not only are the papers from our conferences being included but members are being encouraged to submit original material. Credit for all this must go to Lorraine Ogilvie, the editor, who has been the driving force behind the changes. In recognition of the change of emphasis we are planning a corresponding change of name from Newsletter to Journal.

As with the AIC, the Colour Society of Australia embraces a very wide range of interests and presentations at divisional meetings have been extremely diverse. One topic that has attracted particularly wide interest is that of regional colours. The colours of the natural Australian environment are distinctive and diverse and the light has extraordinary clarity (most of the time!). Following the lead of such people as Jean-Philippe Lenclos, Michel Cler and Giovanni Brino members of local Divisions are looking at their corners of Australia with new eyes. Sally Osborne presented a paper on the topic at our 1989 conference. At *Colour and Light* Peter Day gave a delightful account of a project with children who developed a palette from their local environment to be used in redecorating their school. Activities in different States were also reported and discussed at the Adelaide conference. Ros Cooper and Wendy Alford organised the first *Colour Weekend* in the country for the Western Australian Division in 1991. *Colour Weekends* are now a popular annual event. We have documented the colours of the karri forest and beaches of the far South West, been on a geology field trip and held discussions on colour treatment in historical areas, colour preference, colour harmony and what would be suitable for Australia's National Colours.

The National Colours issue was first raised by Carol Arthur, chair of the New South Wales Division, because of her own serious dislike of the colours officially proclaimed in 1984. These were selected, apparently by then Prime Minister Bob Hawke and without any expert guidance, from the Pantone Matching System of printing inks. The colours are PMS 116C and PMS 348C. Carol conducted extensive surveys and found that a very significant majority shared her antipathy for this colour combination. She has received considerable media coverage and the campaign continues.

Another topic which could become the subject of a national project is that of colour terminology. A set of definitions from such sources as the ASTM, the CIE and the Maquarie Dictionary were put together by Bryan Powell for discussion at a meeting of the New South Wales Division. They were compared with another set of definitions from the world of art and design which had been compiled by Carol Arthur. The topic has been taken up by Ken Pidgeon, chair of the South Australian Division, and will be on the agenda for possible inclusion in the Western Australian Division's programme for 1995. It may also be discussed at the Melbourne conference.

The Society still depends very heavily on the enthusiasm of a few individuals. Peter McGinley, who succeeded Bryan Powell as national president, chaired the Melbourne conference committee in 1989. He will be our host again in 1995, but this time he has a larger committee supporting him. This is promising for the future health of the Society, as is the resurgence of interest in Canberra when it looked as though activities there had ceased. I hope it will not be too long before we consider another invitation to the AIC to come back to Australia.

Paul Green-Armytage
President, Colour Society of Australia

HNCC

HUNGARIAN NATIONAL COLOUR COMMITTEE
COMITÉ NATIONAL HONGROIS DE LA COULEUR
UNGARISCHES NATIONALKOMITEE DER FARBEN
MAGYAR NEMZETI SZINBIZOTTSÁG

Technical University of Budapest, 1111 Budapest, Műegyetem rkp.3. Hungary
Phone: 36 (1) 204-1111/3050, 3048, Fax: 36 (1) 166-6808

REPORT 1994

The Hungarian National Colour Committee, acting also as AIC Hungarian National Committee of the Hungarian Academy of Sciences, reports the following of events happened since the publication of the AIC Report '93.

1. COLOUR '93

Since the AIC Report '93 could not yet offer summary data on the 7th AIC Congress in Budapest, this want will be made up as follows:

The Congress had 263 registered participants from 37 countries. Non-registered participants numbered 141. These latter /from Ukraine, Slovenia, Slovakia, Russia, Poland, Bohemia, Rumania, Bulgaria, Lithuania, Estonia, Hungary/ were unable to pay the registration fee. Oral lectures, numbering 115, were delivered parallelly, in two sections: a technical and a human one. Round table conferences in the scopes of colour systems, environment colour design, and colorimetry were attended by about 150 persons each. 53 participants presented research results on posters, of them the discussions were attended by a highly varying number of 100 to 200 persons.

The Congress involved six exhibitions: an exhibition of instruments, an architectural exhibition, and four fine-arts exhibitions. These latter were concerned with the order between colours as a subject of fine arts.

Proceedings of the congress were published in three volumes. Exhibition materials were published in large-size colour albums. Both the Proceedings volumes and the colour albums may still be ordered from the Hungarian National Colour Committee.

2. International Colour and Light Foundation

The AIC Hungarian National Committee, the CIE Hungarian National Committee, and the Technical University of Budapest established a foundation -registered at the Budapest Law Court by no. 3243- to forward international exchange of experience in methods and achievements of colour education and research, to provide for the required institutional and material conditions. To support goals of the Foundation, grants may be paid to the bank account: Foreign Trade Bank Budapest 0009-827-99.

3. International Colour Expert's Diploma Board

On initiative of the Hungarian National Colour Committee, for ensuring mutual acceptance of colour expert diplomas granted by courses in different countries, the International Colour and Light Foundation established an International Colour Expert's Diploma Board that has started to function.

4. House of Colours, Lights and Forms


As suggested by the Hungarian National Colour Committee, the International Colour and Light Foundation announced a competition for the architectural designs of an International Colour Education and Colour Information Centre, the so-called "House of Colours, Lights and Forms" to be built in the centre of Budapest, on the right bank of the Danube, with positive result. /This idea raised by HNCC was supported by the AIC EC at its '91 meeting in Sydney, and by the CIE at its '91 meeting in Melbourne, and issued written document there of./

To provide for financial conditions of the construction and equipment, the Foundation is expecting the support from interested enterprises in AIC member countries.

5. Colour and Light in Communication

HNCC has elaborated the program of an exhibition with international participation. Exhibition "Colour and Light in Communication" will consist of four superposed units, such as: the perceived colour; colour in engineering; colour in arts; colour in everyday life. Symbol of the exhibition will be an object 20 m high, the Colorium, with moving spheres displaying the colour space. The exhibition will be organized in 1996, millicentenary of the foundation of the independent state of Hungary. HNCC is looking forward to AIC member countries to register for the exhibition.

Budapest, October 26, 1994.



Prof. Dr. Antal Nemcsics
President of HNCC

DALTONIANA

NEWSLETTER OF THE INTERNATIONAL RESEARCH GROUP ON COLOUR VISION DEFICIENCIES

President: Prof A ROTH (Switzerland)

General Secretary, Treasurer & Newsletter Editor
Prof J D MORELAND
Department of Communication & Neuroscience
Keele University
KEELE Staffordshire ST5 5BG UK

September 1994

No. 82

IRGCVD News

Membership Subscriptions

The call for membership subscriptions was delayed this year pending clarification of the result of negotiations with *Vision Research* (see below). Membership fees for 1994 are as before, unchanged at UK£40 for full members and UK£10 for student and retired members. In order to reduce personal subscription costs incurred by members, credit card facilities have been introduced (ACCESS, AMERICAN EXPRESS, EUROCARD, MASTERCARD and VISA). Additionally, the IRGCVD will not incur commission charges when this method of payment is used. This and other methods of payment are indicated on the subscription form enclosed with this issue. The credit card facility obviates the need for a Secretary-Treasurer for the Americas and Dr Bruce Drum is standing down from that post. All subscriptions will now be handled centrally.

Tübingen Symposium Proceedings

After a totally unexpected delay, the publishers Kluwer sent page proofs to authors in September. The proofs were marked with 1994 as the year of publication: let us hope that it will remain so!

Members may have noticed that the change in ownership of the publishers (from Junk to Nijhoff/Junk and then to Kluwer) coincided with an increase in lag between Symposium and publication from one to two years for the last four Symposia. Peer review was introduced, on a limited basis, for the 1989 Cagliari Symposium and more extensively for the 1991 Sydney Symposium. On the occasion of the 1993 Tübingen Symposium the time required for manuscript review was minimised by appointing a board of associate editors with direct responsibility for the whole review process. Approved manuscripts were channelled through the Proceedings Editor and all were in Kluwer's hands by January. Although Kluwer announced that page proofs would be distributed to authors in June (see *Daltoniana* No 81, May 1994) this was, in fact, delayed until September. This was a source of disappointment and anger to authors, editors and Directorial Committee alike.

We shall seek an assurance of improved performance from Kluwer before agreeing to a contract for the 1995 Pau Symposium Proceedings.

Proceedings Publication Negotiations with Vision Research

Negotiations with *Vision Research* as an alternative publisher of the proceedings of IRGCVD Symposia have been taking place through 1993 and 1994. However the cost to the Group of a regular contract for all Symposia would have been too high, involving a doubling of membership fees.

However, formal confirmation has now been received that the Board of Directors of *Vision Research* had agreed to publish the Proceedings of our 25th Anniversary Symposium as a *special issue*. This agreement was negotiated by Professor Eberhart Zrenner and Dr John Mollon who report that the costs incurred by the IRGCVD will be only marginal.

THE COLOUR GROUP (GREAT BRITAIN)
17 Castlebar Road, London W5 2DL, England

The 1994-95 Committee: **Dr Patrick Forsyth** (Chairman), **Mr Roy Osborne** (Vice-Chairman), **Miss Roma Nath** (Secretary), **Dr Vicki Barbur** (Treasurer), **Dr Julie Taylor** (Asst. Secretary), **Miss Margaret Halstead** (Asst. Treasurer), and **Dr Anya Hurlbert, Dr Gaby Jordan, Dr Jim Bowmaker, Dr Douglas MacDougall, Professor John Mellerio and Dr Arthur Tarrant** (Ordinary Members).

The Group promoted monthly educational meetings, as follows:

5 January 1994 at the Institute of Ophthalmology, London: "Colour Vision" presented by D Hunt, L Heath, K Evans, B Boycott, S Nascimento, D Foster, K Linnell, D Brammell, A Hurlbert, M Webster, J Mollon and P Moeller
2 February 1994 at the City University, London: "Colours in Natural Objects" presented by E Rollin, E Scott and D Pye
2 March 1994 at the City University, London: "Colour in Education" presented by N Selley, D Pavey and R Osborne
10-12 April 1994 at Robinson College, Cambridge: AIC Interim Meeting "Images in Colour", presented by O da Pos, L Ronchi, R Berns, C Oleari, H Al-Ahmad, R Jacobson, P Parmar, M Luo, G Attridge, M Pointer, D van Laar, R Flavell, R Hunt, W Wen, M Fairchild, K Rybarczyk, A Hurlbert, M Lo, R Osborne, D Saunders, L MacDonald and J Dean
18 May 1994 at the City University, London: AGM and video presentations directed by J Townsend and J Visser
22 June 1994: Visit to The Colour Museum, Society of Dyers and Colourists, Bradford, Yorkshire
5 October 1994 at the City University, London: "Developments in Displays" presented by D Monk and A Hanson
2 November 1994 at the National Gallery, London: "History of Colour in Art" presented by D Bomford
7 December 1994 at the City University, London: "Fluorescence and Colour" presented by R Sinclair and D Williams

The George Palmer Bicentennial Conference

1995 will mark the bicentennial of the death of George Palmer, who was the first to suggest that the human retina contains three types of "fibre" or "membrane", and who explained visual colour deficiency by the impairment of one or two of the three types. Palmer was a Liveryman of the Drapers' Company, and the Drapers' Company has invited the Colour Group (Great Britain) to hold a one-day meeting in the seventeenth-century Drapers' Hall, London, on 5 April, 1995. Speakers will include J Mollon, J Levitt, G Jordan, B Lee, K Gegenfurtner and F Vienot.

Copies of The Advancement of Colour, a detailed history of The Colour Group during its first 50 years (1941-91), are available (paperback, price £5.00 & post) from its editor, **Miss Margaret Halstead**, 5 Farmlands, Enfield EN2 8JY, England.

Inter-Society Color Council *News*

NEW OFFICERS AND BOARD MEMBERS ELECTED

The Inter-Society Color Council is pleased to announce the election of the following Officers and three new Directors to the ISCC Board of Directors. Dr. Ellen C. Carter, editor of Color Research and Application, ISCC Publicity Chair, retiring ISCC Director, will be President-Elect for a two-year term. Dr. Danny C. Rich, of Datacolor International, will continue as ISCC Secretary for another two-year term. Mr. Daniel Walton, Chief Financial Officer at Color and Appearance Technology, will become the new ISCC Treasurer also serving a two-year term. These Officers will comprise the

ISCC Executive Committee along with Roland Connelly, of SheLyn, Inc. as the new President and Paula J. Alessi, of Eastman Kodak, as Past President at the end of the 1994 ISCC Annual Meeting in Detroit, Michigan.

Michael A. Hammel, of Colorgen Industrial Group, Richard W. Riffel, of Monsanto, and William S. Vogel, of Ciba-Geigy, are the newly elected Directors who will replace retiring Directors Ellen Carter, Joann Taylor, and Magenta Yglesias. They will serve a three-year term beginning at the end of the 1994 ISCC Annual Meeting in April and concluding at the Annual Meeting in 1997. Biographies of all these Officers and Directors were given in the September/October 1993 News Number 345. Congratulations to all!

Paula J. Alessi

PRELIMINARY REPORT: 1994 ISCC WILLIAMSBURG CONFERENCE

The 1994 ISCC Williamsburg Conference held from February 20-23 at the Woodlands in Colonial Williamsburg, Virginia was an outstanding success! The meeting, Colorimetry of Fluorescent Materials, drew over 150 participants. Hats off to Richard Harold, the Program Chairman, and Romesh Kumar, the Arrangements Chairman, for their organized efforts leading to the success of this conference. A detailed summary of this conference will follow in a subsequent issue of the News.

Paula J. Alessi

INTERNATIONAL CONFERENCE ON COLOR EDUCATION, HELSINKI:

The ISCC was represented in August by a contingent of Interest Group III members attending and participating in the International Conference on Color Education held at the University of Art and Design in Helsinki, Finland August 16-19. Wade Thompson, Vice-Chair, Interest Group III and Professor of Art and Design at Southwest Missouri State University, presented a paper: "Color, Light and Temperature: A General Studies Component for Preparing Students for Fine Arts Painting" and Shashi Caan, Brooklyn, New York, presented "Color is an Equal Partner: Teaching Architects Color." Magenta Yglesias, Interest Group III Co-chair, also attended many of the sessions which included keynote address speaker Ellen Marx.

Inter-Society Color Council *News*

1994 IS&T PHOENIX CONFERENCE REPORT



With the advance of technology, the manipulation of color images is becoming commonplace. Wherever we find computers and printers, we now find a broad range of people working with images and with color. Last year, the IS&T/SID Color Imaging Conference took form to address their needs. This second annual meeting was held in Scottsdale, Arizona. While research has been going on for years in many places, this conference has instantly become a central forum for those interested in color and images.

The conference lasted four days and offered intensive exposure to both basic concepts and recent advances in color imaging. The numbers tell the story; there were thirty six oral presentations, twenty-two poster papers, and five tutorials in a period of four days. Drawing from the best research in this healthy and rapidly expanding industry, attendees were treated to work of the highest quality. Invited speakers came from Japan, England, Russia and the United States.

Contributors covered everything from color vision and appearance to color engineering (new term in the field), with an emphasis on imaging applications. Many talks addressed image quality and device independence issues, especially through instrument calibration, color correction and gamut mapping schemes. However, this short description does not do justice to the varied and creative approaches presented. The conference proceedings are comprehensive and are available through the IS&T.

ISCC TREASURER CHANGES

Philip S. Hunter steps down as treasurer of ISCC after serving three two-year terms, 1988-1994. All ISCC members are indebted to him and to his Secretary, Virginia Baca, for handling their membership accounts and subscriptions to the Wiley journal, *COLOR Research and Application*. In his other life, Phil is Chairman of the Board of Directors of Hunter Associates Laboratory (HunterLab) founded by his father, Richard S. Hunter, in 1952. His mother, Elizabeth Hunter, still works at the laboratory two days a week. A biography of Elizabeth Hunter was published in the ISCC NEWS No. 347, January/February 1994. Richard Hunter was Chairman Emeritus of the board when he died, January 16, 1991. ISCC had informed him of its plan to present him with the prestigious Godlove Award at the Annual Meeting in New York on May 7, 1991.

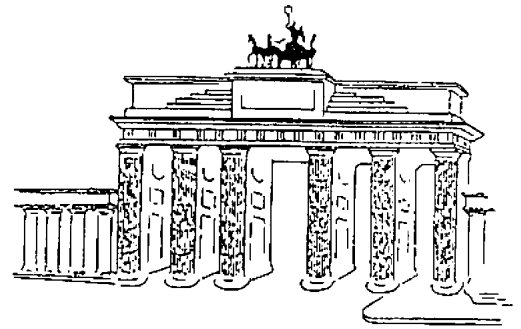
COLOR SCIENCE ASSOCIATION OF JAPAN (CSAJ)

It is with pleasure that the CSAJ announces their new officers for the 1994-1995 year. They are President: Prof. Hiroshi Kansaku of Chukyo University, Vice-president: Prof. Takashi Hasegawa of University of the Sacred Heart, Vice-president: Dr. Motoi Manjo of the Electrotechnical Laboratory, LERC, Head of Kantoh Branch: Mr. Yasuhiro Nagata of Color Planning Center, Head of Tohkai Branch: Prof. Shuntaro Hika of Aichi Institute of Technology and Head of Kansai Branch: Prof. Naoyuki Osaka of Kyoto University.



A I C
Midterm Meeting 1995

Colorimetry



Berlin, Germany, September 4-6, 1995

A three day AIC Interim Meeting on Colour will be organized 1995 in Berlin on the topics: measuring, generating and processing colorimetric data. The conference will be held in the historical center of Berlin which is now Capital of the united Germany again.

Call for papers

Oral presentations related to all colorimetric aspects of colour are welcome. The topics:

Measurement
Generation
Procession

of colorimetric data include subjects as measurements techniques for goniochromatic and retroreflective materials, measuring and matching sample pairs, colour control, tolerances, generation of colours for test of electronic (digital) colour reproduction techniques, data procession of device independent colours, calculation of colorimetric data from radiometric data etc.

Social program

A reception is planned and an excursion which includes a conference dinner will be organized.

Berlin is a city of throbbing vitality, full of surprises. Berlin is a treat. You can sense it everywhere, see it - in art, in the cultural scene, in the people themselves and in daily life. You can even steep yourself back into history here. And not far away, nature beckons with Berlin parks, forests, lakes and rivers.

Please send a title and abstract by March 1, 1995 to

Prof. Dr. Heinz Terstiege
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12205 Berlin, Germany
Fax: x49 30 812 10 83