

AIG

NEWSLETTER 11

1996



ASSOCIATION INTERNATIONALE DE LA COULEUR
INTERNATIONALE VEREINIGUNG FUR DIE FARBE
INTERNATIONAL COLOUR ASSOCIATION

NEWSLETTER 11, 1996
Edited by Roy Osborne

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

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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, GOTEBOG, JUNE 1996.**

State of account in SF.

Assets January 1, 1995	deposit	31943.40
	giro	<u>2113.35</u>
	total	34056.75

Interest from bank	880.78	
Subscriptions	<u>2050.--</u>	
Total income	2930.78	
Expenditures	<u>752.12</u>	
Net result	2178.66	<u>2178.66</u>
		36235.41

Assets December 31, 1995	deposit	33098.81
	giro	3136.60

Heeze, May 9, 1996


Dr. C. van Trigt, secretary/treasurer AIC
Saturnus 8,5591 PB Heeze, The Netherlands.

PRESIDENT'S REPORT YEAR 29

Time is running out, as the end of the quadrennium approaches. During 1996, the AIC has been very active. The Executive Committee Members have been doing their best, and I wish to thank them very much.

Personally, I have been involving the Vice-President, **Mitsuo Ikeda**, in a number of tasks, to render the changeover of the Chair, next year, as smoothly as possible. We have been, and are, closely in touch and in perfect agreement. In spite of the fact that he is very busy, my FAXes, delivered after sunset, regularly receive prompt reply before sunrise, in obedience to geographical constraints. In particular, I am following with interest the organization of **AIC Color 97 Kyoto**, the last AIC Plenary Session of the 20th century, anticipated by the distribution of the 2nd Circular, accompanied by a prestigious Poster. I also wish to thank **Dr. Miho Saito** on the Journal of the Color Science Association of Japan, Vol. 19 (3), (1995).

The Executive Secretary, **Kees van Trigt**, who continues to act as the "backbone" of the AIC, is also warmly acknowledged.

As far as the Ordinary Members of the EC are concerned, in alphabetical order, may I commend **Paula Alessi**, unanimously proposed as Vice-President for the next quadrennium, in the EC slate. At present, her task -- a sort of high-level Public Relations role -- is being fulfilled admirably by virtue of her inborn qualities: she is responsible for liaisons between the AIC and other international organizations interested in color. As indicated in the Inter-Society Color Council Newsletter, she is the contact person in the matter of information about AIC Color 97 Kyoto. She is also distributing on a wide scale a brochure displaying overall what the AIC is, and even being available to satisfy requests about AIC membership. The selection of colors on the front page of the brochure is the outcome of co-operation by **Paul Green-Armytage** and **Roy Osborne**.

This latter EC member, in addition to editing the AIC Newsletter, has also agreed to take on the responsibility of the AIC Study Group on Colour Education, to concentrate on post-elementary level, following the resignation of **Erik Melse**.

In this connection, let us recall that the link between the AIC and the International Research Group on Colour Vision Deficiencies (IRGCVD) was started in the early 1970s, when the IRGCVD was founded. We are indebted to **Dr. Bryan Powell**, and to the Colour Society of Australia, for having organized a successful Joint AIC-IRGCVD Meeting in Sydney in 1991. This amazing experience could not be further duplicated, however, but the contact remains alive, as indicated by a FAX I received from **Jack Moreland**, General Secretary of the IRGCVD, dated October 3rd, 1996, and entitled "AIC-IRGCVD cooperation", in which one reads: "I have discussed your proposal to form a

joint AIC-IRGCVD subgroup on Colour Education in Ophthalmology with **Mrs. Jennifer Birch**.... She has expressed interest in the project and in representing the IRGCVD...." This topic will be discussed during the next EC Meeting, in Kyoto.

Frank Rochow, who is proposed in the EC slate at future Secretary/Treasurer, is expected to become the efficient future "backbone" of the AIC. As an aside, the Proceedings of the AIC Midterm Meeting on Colorimetry (September 1995, Berlin) are being printed by Musterschmidt and will be available before the end of this year, as **Prof. Heinz Terstiege** has been informing me. (Let us recall that Prof. Terstiege was awarded the Judd-AIC Medal in 1995.)

Last but not least, **Lars Sivik**. The echoes of the Göteborg AIC Interim Meeting, in June, 1996, are still in our ears. The highlights are multiple, ranging from social events, to the warm hospitality, to the variety of topics tackled, the compact and numerous attendance, the richness of color, both in the projected slides and in the numerous posters. During the Göteborg EC Meeting, **Anders Hård, Gunnar Tonnquist** and **Lars Sivik** have been voted as recipients of the 1997 Judd-AIC Award, to be presented during the banquet at AIC Color 97 Kyoto.

Prof. Mitsuo Ikeda, one of the most outstanding personalities in visual science, will automatically become the AIC President. The composition of the future EC will be voted. The EC slate includes experts from the USA, France, Germany, Slovenia, South Korea and Spain. The invitations for the future AIC Meetings include the USA for the 2001 Plenary Session, and France, Poland and Slovenia vs. South Korea for the Interim Meetings.

Prof. Dr. Lucia R. Ronchi

November 11th, 1996



Editor's Note - Roy Osborne

At the EC Meeting in Göteborg (June 1996), it was agreed that the 1996 AIC Newsletter would be distributed by the Editor to the 129 delegates attending the Göteborg Interim Meeting.

Additionally, it was agreed to ammend the **Statutes** for the AIC Study Groups as follows:

Paragraph 4: "The appointed Chair for each Study Group shall forward each year to the Secretary-Treasurer a concise written report of its activities, to include terms of reference and proposed timetable, to be circulated to the EC."

Paragraph 8: "Any Study Group may be discontinued by the EC if no written report has been received, nor evidence of progress demonstrated, over a period exceeding 24 months from the establishment of the Study Group or the receipt of a previously submitted and approved report."



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

Minutes of the meeting of the AIC Executive Committee, Saturday June 15, 1996, 10.00 - 15.45 at the Novotel, Göteborg, Sweden.

present: Paula Alessi, Mitsuo Ikeda, Roy Osborne, Lucia Ronchi (chairperson), Lars Sivik, Frank Rochow, Kees van Trigt, Heinz Terstiege (guest).

1. Welcoming address. Lucia Ronchi welcomes all people present.

2. Approval of the minutes of the previous meeting at the Bundesanstalt in Berlin: approved.

3. Approval of the agenda: approved.

4. Report of the secretary / treasurer. Kees van Trigt presented the annual financial report along with the approving reports of the auditors John Hutchings and Jan Walraven. AIC has agreed to contribute \$ 1400 to the travel and other expenses involved with the AIC Tutorial Lecture, Philosophical aspects of Color Categorization by Larry Hardin. Unfortunately, Larry Hardin has fallen ill and therefore cannot present his lecture himself. Instead, the AIC is prepared to contribute at most \$ 2000 to the travel expenses of the invited lecturers. AIC is also prepared to contribute at most \$ 2000 to a tutorial lecture to be presented at Color '97 in Kyoto. The Executive Committee discussed at some length the possibility of candidate membership for organizations in countries in serious economic difficulties: no subscription fee due during at most four years and no voting rights during the same period. No decision was taken. The Centre d'Information de la Couleur Belge has been expelled because not having paid the subscription fees for (more than) five years and failure to clarify its situation despite a number of requests. Our observer in Hong Kong, Teruo Nii, will lose his status automatically when Hong Kong is reunited with the People's Republic of China, since there exists already a regular member in this country. Mitsuo Ikeda will inform Teruo Nii. Alan Robertson (Canada) and Stephen Coonan (Ireland) have been welcomed as observers effective from January 1, 1996.

5. AIC Newsletter 1995. Roy Osborne received the last information mid - January 1996. The AIC Newsletter 1996, to appear at the end of 1996, will be sent also to all participants of the interim meeting. Lars Sivik will provide the list.

6. AIC statutes. Roy Osborne proposed a few amendments concerning the study groups which were accepted by the Executive Committee [texts are published in the AIC Newsletter 1996, see p. 11].

7. Berlin interim meeting. Lucia Ronchi repeated that the AIC is indebted to the German national member and to Heinz Terstiege for having organized the meeting when India announced that it was not able to host both the CIE and AIC meetings in 1995. In total, some 120 people attended. Papers will be published in Die Farbe. Speakers get a copy of the journal.

8. Göteborg interim meeting. Die Farbe cannot publish all papers because this would block the journal for a couple of years. Lars Sivik intends to publish the proceedings late August 1996.

9. The Executive Committee in the next quadrennium. Slate proposed by the present EC to country members. The present vice-president, Mitsuo Ikeda, will automatically succeed the present president, Lucia Ronchi. The Executive Committee will propose to the meeting of delegates to elect Paula Alessi and Frank Rochow as vice-president and secretary / treasurer respectively. As ordinary members will be proposed: Jim-Sook Lee (South-Korea), Javier Romero (Spain), M. Tusak (Slovenia) and Michel Albert-Vanel (France). National (regular) members will be invited to propose candidates. Election will take place at the meeting of delegates in Kyoto.

10. The 1997 Judd / AIC award will be presented to Anders Hard, Lars Sivik and Gunnar Tonnquist in recognition of their work in color science, in particular the NC System.

11. The present study groups are: Environmental Colour Design: chairman Leo Oberascher, Kaltnergasse 8, Salzburg 450-20 Austria; Color Education: Eric Melse has been released from his chairmanship and succeeded by Roy Osborne, 86 Ormonde Court, Upper Richmond Road, London SW15 6TR, England; Visual Illusions and effects: chairman Osvaldo da Pos, Dipartimento di Psicologia Generale, Universita degli Studi di Padova, Via Venezia 8, 35131 Padova, Italia. The group has issued a report. Postage costs are paid by the AIC. Attempts are made to establish a study group on machine vision. Machine vision models are expected to be able to shed light on problems in human vision: contact Paula Alessi, Eastman Kodak Company, 1700 Dewey Avenue, Rochester New York 14650-1907, United States.

12. Paula Alessi takes care of the liaisons with CIE, SPIE etc. She will also have printed a brochure for distribution among AIC members.

13. Color '97 in Kyoto. Mitsuo Ikeda reported that everything is on schedule. A brochure has been issued. All correspondence should be addressed to AIC Color 97 Kyoto Secretariat, c/o JTB Communication, Inc, New Kyoto Center Building 5F, Shiokoji Shinmachi, Shimogyo-ku, Kyoto 600, Japan.

14. Future AIC meetings. The next CIE meeting in 1999 will be held in Poland. Meanwhile, Poland has offered to host also the AIC meeting in 1999, topic Industrial Colorimetry. ISCC has offered to host the meeting in 2001. [Also offers have been made by France (1998), Color in art and architecture, South-Korea (2000, to be discussed with Slovenia), Color Education.] Decisions will be taken by the next Executive Committee.

15. The next meeting of the Executive Committee will be held on Sunday, May 25 starting at 10.00 am in Kyoto. Mitsuo Ikeda is kindly asked to reserve a room. Attendants were thanked by Lucia Ronchi, who closed the meeting at 15.45 h.

Heeze, October 18, 1996.

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



Kees van Trigt, secretary / treasurer AIC
Saturnus 8, 5591 PB Heeze, The Netherlands.



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

Heeze, November 22, 1996.

L.S.

The Executive Committee will present to the meeting of delegates in Kyoto, May 25-30, 1997 the following nominations for the next Executive Committee:

president: Mitsuo Ikeda (Japan)
vice-president: Paula Alessi (United States)
secretary / treasurer: Frank Rochow (Germany)
members: Jin-Sook Lee (South-Korea), Javier Romero (Spain), M. Tusak (Slovenia)
Michel-Albert Vanel (France).

Attention is drawn to article 7 of the statutes, in particular: 'Nominations by a regular member organization, endorsed by at least two other national member organizations, must reach the secretary / treasurer at least three months before the congress to enable him to submit the slate of nominees to the Executive Committee and the member organizations.'

Sincerely yours,

Dr. C. van Trig, secretary / treasurer
Saturnus 8, 5591 PB Heeze,
The Netherlands.

THE COLOUR MUSEUM

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An Educational Activity of The Society of Dyers and Colourists

The Museum is a Registered Museum No. RD1072
The Society is a Registered Charity No. 212331

Things have come a long way since the Colour Museum first opened its doors back in 1978. The museum ably fulfils its remit of entertainment and education, and disseminates information on colour and the industries in which coloration plays a major part. Indeed, there is no other museum in the UK, and possibly the world, which is devoted to colour. Other museums may have sections on colour, usually coloration, but none has colour as its raison d'être.

The International Colour Association (AIC)

In 1962 Prof. **W. David Wright** received a letter from Prof. **Manfred Richter** suggesting the establishment of an international federation on colorimetry. A significant aim of such a federation would be to promote the exchange of information and to rationalize international conferences on subjects within the general field of colour. Further discussions were held during the *International Colour Meeting* at Lucerne in 1965. In the following year, draft statutes for a federation of national organisations were circulated, with some modifications submitted by The Colour Group (GB). At a meeting in Washington D.C. on 21st June, 1967, an agreement to form the International Colour Association was signed by the following national representatives: **Y. LeGrand** (France), **T. Fukuda** (Japan), **J. Ouweltjes** (The Netherlands), **L. Plaza-Montero** (Spain), **R. W. G Hunt** (Britain), **G. Tonnquist** (Sweden), **D. B. Judd** (USA) and **E. Ganz** (Switzerland). The final statutes were received in December, 1967, when the AIC became a legal body under Swiss law; Prof. **Wright** was invited to be its first President. At the 1967 Washington meeting, it had been agreed that congresses should be held at four-yearly intervals. The *1st AIC Congress*, scheduled for June, 1969, at the Technical University, Stockholm, was attended by 600 delegates from 24 countries, and **Yves LeGrand** was elected President. The *2nd AIC Congress*, organised by The Colour Group (GB), was held at York University in 1973, and **Tarow Indow** was elected President. Further meetings were scheduled as follows:

1977 *3rd AIC Congress*, Troy, New York, USA; election of President **C. James Bartleson**
1981 *4th AIC Congress*, Berlin, Germany; election of President **Robert W. G. Hunt**
1982 *Interim AIC Meeting*, Budapest, Hungary
1983 *Midterm AIC Meeting*, Kungälv, Sweden
1984 *Interim AIC Meeting*, Salamanca, Spain
1985 *5th AIC Congress*, Monte Carlo, Monaco; election of President **Heinz Terstiege**
1986 *Interim AIC Meeting*, Toronto, Canada
1987 *Midterm AIC Meeting*, Florence, Italy
1988 *Interim AIC Meeting*, Winterthur, Switzerland
1989 *6th AIC Congress*, Buenos Aires, Argentina; election of President **Alan R. Robertson**
1990 *Interim AIC Meeting*, Berlin, Germany
1991 *Midterm AIC Meeting*, Sydney, Australia
1992 *Interim AIC Meeting*, Princeton, New Jersey, USA
1993 *7th AIC Congress*, Budapest, Hungary; election of President **Lucia R. Ronchi**
1994 *Interim AIC Meeting*, Cambridge, England
1995 *Midterm AIC Meeting*, Berlin, Germany
1996 *Interim AIC Meeting*, Gothenburg, Sweden
1997 *8th AIC Congress*, Kyoto, Japan; election of President **Mitsuo Ikeda**

The Deane B. Judd - AIC Award (Biennial Gold Medal) Recipients

1975 Dr. Dorothy Nickerson
1977 Prof. W. David Wright
1979 Dr. Gunter Wyszecki
1981 Prof. Manfred Richter
1983 Dr. David L. MacAdam
1985 Dr. Leo Hurvich & Dr. Dorothea Jameson
1987 Prof. Robert W. G. Hunt
1989 Dr. Tarow Indow
1991 Dr. Hans Vos & Dr. Pieter Walraven
1993 Dr. Yoshinobu Nayatani
1995 Dr. Heinz Terstiege
1997 Dr. Anders Hård, Dr. Gunnar Tonnquist & Dr. Lars Sivik



Grupo Argentino
del Color

NEWS FROM THE ARGENTINE COLOR GROUP ARGENCOLOR 1996 - THE THIRD ARGENTINE CONGRESS ON COLOR

The meeting was held during May 20-22, 1996, at Huerta Grande, Córdoba, Argentina. More than 400 persons attended to the congress and 60 papers were presented in the oral sessions (in Spanish). Among them:

- J. CAIVANO, Semiotics and cesia: the meanings of the spatial distribution of light
- M. MATTIELLO, Color measurement: psychophysical aspects
- R. LOZANO, Color measurement: mathematical and physical aspects
- M. VIGURIA, Color education
- S. DUEÑAS, Multimedia application for teaching color theory
- J. VILA ORTIZ & M. FERNANDEZ, Complexity in color combinations
- A. GAISCH & T. KESSLER, Color in aluminium
- H. BERTELLE et al., Color quality in ceramic pigments
- V. JOFRE, Ceramic color and cesia
- J. IGLESIAS, Invisible objects
- M. AVILA & M. POLO, Color in the architectonic language
- A. ORTIZ BORDALLO, Color in architecture
- A. PAPIER & R. OLTOLINA, Color in urban advertisement
- L. GARCIA FERRE, Color typologies in cities and neighborhoods
- H. PALOMO et al., Connotative semantic potential of colors
- J. CAIVANO & L. RIMOLDI, The meanings of color in different cultures
- C. MANGANIELLO, Communicative use of color in primitive ceramics
- P. DORIA, Social and cultural implications of color in clothing
- D. VARELA, Color in textile design
- M. LOPEZ et al., Communicative aspects of color in paper currency
- C. MANGANIELLO, Color preferences in La Plata city
- J. CAIVANO, M. MATTIELLO & A. BIONDINI, Comparative analysis of the Munsell and NCS systems
- J. SANTANA POMARES, Color nomenclature for all languages
- J. AVILA, Color as stimulus in persons with special needs
- D. CHESTA, Effects of early visual deprivation
- A. BIONDINI, M. MATTIELLO & H. SALINAS, On dichotopic chromatic vision
- M. BRIZUELA & A. TONTI, Model with feedback systems for the analysis of the spectral and temporal responses of the visual system to chromatic and achromatic stimuli
- F. JUJENA SANCHEZ, Color tests for Prefecture and Marine
- P. MEILAN & M. GARAVAGLIA, Rayleigh's criterion of resolution for luminous sources of different spectral composition
- M. RINALDI, Color systems in theater illumination
- S. MELITA, Light measurement and control in color record and reproduction in films
- M. PUNTE, Color and symbol in Hermann Hesse's *Narcissus and Goldmund*

At present, the Argentine Color Group is working on the publication of the Proceedings, as well as on the preparation of the Fourth Argentine Congress on Color. The following congresses are already scheduled:

- ArgenColor 1998, The Fourth Congress, August 1998 at Oberá, Misiones, Argentina.
- ArgenColor 2000, The Fifth Congress, at Mendoza, Argentina.
- ArgenColor 2002, The Sixth Congress, at San Miguel de Tucumán, Argentina.

After the congress, three persons were appointed as honorary members of the Argentine Color Group: Maria L. Fago de Mattiello, professor at Buenos Aires University and researcher at the National Council for Research, Jorge Vila Ortiz, professor at Rosario University, and Roberto Daniel Lozano, researcher at the National Institute for Industry and founder and former president of the Argentine Color Group.

The Colour Group (Great Britain)

e-mail address: colourgroupgb@city.ac.uk

The Colour Group is a Registered Charity No 1047548

1996-97 Committee: **Mr. Roy Osborne** (Chair), **Dr. Julie Taylor** (Vice-Chair), **Dr. Gabriele Jordan** (Secretary), **Dr. Patrick Forsyth** (Treasurer), **Mr. Arthur Jenkins** (Membership Secretary), **Prof. John Barbur**, **Miss Carole Anne Ferris**, **Mr. Anthony Johnson**, **Mr. Michael Lancaster** and **Mr. Anthony Walkden** (Ordinary Members).

The Colour Group promoted frequent educational meetings, as follows:

10 January, 1996 at the City University, London: *Colour Physics: Moving Screen Images to Hardcopy*, presented by Dr. A. Green, Dr. A. Johnson & Dr. M. Pointer.

31 January, 1996, at The Tate Gallery, London: *Colour in Contemporary British Painting*, presented by Mr. H. Daniels, Mr. B. Johnson, Mr. R. Osborne & Mr. D. Whitaker.

6 March, 1996, at the City University, London: *Colour & Light in Architecture*, presented by Dr. W. Allen, Mr. Amal Ghosh & Dr. D. Loe.

6 March, 1996, at the Institute of Radiology, London: *Machine Vision*, presented in association with the British Machine Vision Association.

1-2 April, 1996, at Durham Castle: *Colour in Context*, presented by Prof. J. Barbur, Dr. R. Brown, Prof. A. Cowey, Dr. M. D'Zmura, Prof. D. Foster, Prof. A. Gilchrist, Dr. A. Hurlbert, Dr. S. Logvinenko, Prof. D. MacLeod, Dr. L. Maloney, Dr. J. Mollon & Dr. B. Regan, Prof. R. Ruddock, Prof. S. Shevell, Dr. M. Webster & Dr. Paul Whittle.

8 May, 1996, at the City University, London: AGM and *Colour is Fun*, presented by Dr. A. Tarrant.

19 June, 1996, at the University of Derby: *Visit to Design Research Centre*, presented by Ms. S. Guan, Ms. G. Juan, Dr. R. Luo, Dr. A. Morland, Mr. Jan Morovic, Dr. P. Rhodes, Dr. A. Tarrant & Mr. J. Xin.

2 October, 1996, at Imperial College, London: *Research Meeting to Honour Prof. W. D. Wright's 90th Birthday*, presented by Prof. J. Barbur, Mrs. J. Birch, Ms. L. Bullock, Dr. F. Clarke, Prof. R. Hunt, Prof. J. Moreland, Dr. A. Morland, Dr. D. Palmer, Dr. M. Pointer, Prof. D. Regan, Prof. K. Ruddock, & Ms. S. Staniforth.

6 November, 1996, at the City University, London: *Colour and Psychology*, presented by Dr. D. McDougall, Mr. J. Hutchings, Mr. D. Pavey & Dr. A. Tarrant.

4 December, 1996, at the National Gallery, London: *Colour in Stained Glass*, presented by Mr. K. New, Mr. P. San Casciani & Ms. C. Swash.

The Colour Group is an interdisciplinary society that draws together those concerned with different aspects of colour: its measurement, reproduction and perception.

Annual membership subscription is £12.50. Membership enquiries should be directed to Mr. A. Jenkins, Philips Research Labs., Cross Oak Lane, Redhill RH1 5HA, England (Fax +44-1293-815380).

ASSOCIAZIONE OTTICA ITALIANA (AOI)
ITALIAN OPTICAL ASSOCIATION

At the beginning of next year, the AOI will celebrate its 70th anniversary. (Let us recall that this non-profitmaking cultural corporation was founded in 1926, and was recognized through the Law Act 344/1940.)

During the course of the above planned meeting, the activities of the AOI during the past decades will be summarized, as a continuing effort in disseminating culture in matters of optics, light, and vision, and by fulfilling requests and encouraging beginners, through courses, seminars, and by the publication of Luce e Immagini (Light and Images).

The AOI Roster is being revised and up-dated.

The President of the AOI is Prof. **Sergio Villani** (via Mozart 29, I-51017 Pescia, Italy; telephone/fax +39-572-45 33 39).

The Italy-AIC link has been the task of the AOI since the beginning of the AIC itself. The member-representative is Prof. **Lucia Ronchi** (1, via Suor Maria Celeste, I-50125, Florence, Italy; fax +39-55 22 20 90). The AOI has been actively represented at every AIC meeting, in one form or another (papers, posters, attendance).

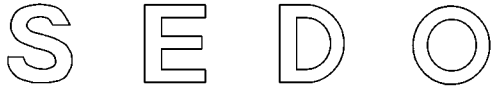
During the past few years, the AOI has intensified its efforts in considering colour vision:

- * the annual AOI meeting has been recurrently devoted to colour
- * the AOI has recently sponsored a meeting on colour at the University of Siena (Italy), at the Università' per Stranieri, through the Ce.R.S.D.E.P. (Inter-university Centre for Permanent Documentation, Education and Research)
- * a study group on Colour in Optometric Testing has been activated, and the active participation of members has been encouragingly good
- * the proposal has been made to create a new profession, named the optocolorimetrist, and some pages of Luce e Immagini are planned to concern a free tribune, to activate this profession

Prof. **Lucia R. Ronchi**

L Ronchi

Florence
November, 1996



COMITÉ ESPAÑOL DEL COLOR

**SOCIEDAD ESPAÑOLA DE
ÓPTICA**

Serrano 121, 28006 Madrid
Tlf.: (91) 561 60 70
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Madrid, 20 November 1996.

The main activity of the Spanish Colour Committee during 1996 has been to prepare the celebration of the IV National Congress on Colour, which will be held in Jarandilla de la Vera (Cáceres) from 4 to 6 June 1997. The University of Extremadura was selected to organise the event. Dr Isabel Suero, professor at that university, chairs the local organising committee.

Anybody interested in receiving the second announcement and call for papers should apply for it to the address shown in the announcement. This meeting is a forum to debate colour problems from different points of view: academic, scientific, industrial, artist, etc.

A course about Colour in Food Technology will be also held joined to the meeting. The course is intended for people working in industry to show them the possibilities of colour technologies on different aspects of production. Dr J. M. Artigas, professor at the University of Valencia is the director of the course.

More information can be obtained from the organising committee of the National Congress on Colour

The committee board did not change this year. Its members are:

President: Dr J. M. Artigas, University of Valencia.

Vice-president: Dr. L. Jiménez del Barco, University of Granada.

Secretary: Dr. J. Campos, Consejo Superior de Investigaciones Científicas.

Yours sincerely,

Joaquín Campos Acosta
Secretary

KOREAN SOCIETY OF COLOR STUDIES

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1996-1997

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Secretary General (International)	Prof. Ok-Hyun Kim	Dept. of applied Arts. Fine Art College, Dong-duck Women's Univ. 23-1 Wolgok-dong Sungbuk, Seoul Korea	+82-2-456-9286	+82-2-456-9286

The Korean Society of Color Studies (KSCS) had symposium in May 1996 at Dan-Guk Univ. and in Oct. 1996 at Capital Hotel.

The Korean Society Color Studies published monthly journals (No. 5, No. 6) in 1996.

COLOUR SOCIETY OF AUSTRALIA



This year is the tenth anniversary of the establishment of the Colour Society of Australia.

Perhaps it could be said that the Society had its genesis during the 1981 AIC Congress in Berlin. Bryan Powell and I were both there as delegates from Australia and we agreed that it was a pity that there was no Australian AIC member organisation. Subsequently Bryan did the hard work of gathering together a group of interested people, drawing up a constitution and making formal application for membership of the AIC. In 1986 Divisions of the Society were established in New South Wales and Victoria with activities centered in Sydney and Melbourne. Western Australia followed in 1987 and Perth was privileged to host what became the first national conference towards the end of that year. Since then we have held conferences every two years - in Melbourne in 1989, Sydney in 1991, Adelaide in 1993 and Melbourne in 1995. In 1997 the Society's conference will be in Perth again and we will have a formal celebration of our first ten years.

The theme for our 1997 conference is *Colour for Life*. Sub themes will be *Colour and Survival*, *Colour and the Environment*, and *Colour, Culture and Communication*. We are very pleased that John Hutchings has accepted our invitation to be our guest speaker. Detailed information will be published in our Society's Journal which is sent to each member organization. The program will have some unorthodox features. Survival and Culture will meet in an *Eating Seminar*. In addition to the presentation of papers there will also be some workshop sessions. Most of the meetings of the Western Australian Division this year have been devoted to developing a series of *Colour Awareness* activities.

Topics presented at meetings of other divisions have been typically varied. These have included problems associated with the colours of retroreflective materials, the role of colour in forensic science and colour problems in the restoration of art works. Because the interests of members are so varied it is sometimes difficult to attract large audiences to Society meetings, especially when the topic is rather specialised. Joint meetings with members of other societies have been particularly successful in South Australia. They hold what they call "alphabet meetings", the CSA (Colour Society of Australia) joining forces with the DIA (Design Institute of Australia) and CIE Australia.

Another reason for disappointing attendance at meetings has been the reluctance of members to travel a long way for a single presentation. The Victorian Division, having recovered from the effort of hosting our 1995 conference, have adopted a very successful strategy which other divisions may well follow. Instead of monthly or bi-monthly meetings with a single speaker, they held only three meetings in 1996. But each was a mini conference with several speakers for each occasion.

We hope that Australia will be well represented at AIC Color 97 in Kyoto and also that we may welcome visitors from other countries to *Colour for Life* in Perth.

Paul Green-Armytage
President, The Colour Society of Australia

The CIE and Image Technology

Recent rapid increases in computer power and data storage technologies have led to a huge increase in the use of images in digital form. Most of us can display complicated coloured images on our computer terminals and many of us are getting used to the idea of retrieving images via the Internet from anywhere in the world within minutes. However, once we have got used to the miracle of such images being transmitted and received so readily, we quickly become annoyed at green faces and pink grass. Imagine how much more frustrating it is for a doctor attempting to diagnose a patient's medical condition, or an archivist examining a painting, if the colour appearance is not rendered accurately. The field of image technology is clearly one in which standards are needed to ensure that colour information can be captured, transmitted and displayed accurately and consistently by a variety of different devices.

In March, a CIE Expert Symposium on Colour Standards in Image Technology was held at the Central Bureau. The stated purpose was to share information on standards projects involving the characterization or definition of the colour of images, to identify areas where directions are different, and to recommend future activities of the CIE and other groups. An additional purpose, from the CIE point of view, was to determine to what extent the CIE should become involved in the rapidly growing field of image technology.

The clear answer was that the CIE is already involved. The image technology community uses CIE standards and recommendations, and relies on the CIE to develop new standards. There is also a widely held belief that industry-developed practices that become de facto standards do not gain real credence unless they are approved by the CIE.

The Symposium was organized in response to a request from ISO/IEC JTAG2, a Group that is responsible for liaison and coordination between international committees in the field of imagery. Symposium topics included colour spaces, colour appearance systems, calibration and characterization, test targets, cross-media comparisons, viewing conditions, gamut mapping, colour profiles, file compression, and colour management systems. The format included lengthy discussion sessions as well as invited presentations and contributed posters. The Symposium concluded with the preparation of some specific requests for new CIE work in the field. These requests are within the mandate of Divisions 1 and 2 and have been forwarded for action at the 1996 meetings of these two Divisions.

Despite the cramped conditions (attendance was higher than expected and the organizers had been reluctant to turn late registrants away), the Symposium was a resounding success. Responses to a questionnaire distributed at the end of the Symposium indicated a high level of approval for the format and subject matter with a strong desire to hold another such Symposium within one or two years at the most.

The CIE can learn several lessons from the Symposium. Firstly, we can be proud that the CIE is highly regarded in the image technology community and is seen clearly as the premier authority in the field of colour. However, the CIE is also seen as being rather slow in its development of standards, not just for bureaucratic reasons,

but also because of a tendency to wait for all the scientific issues to be resolved before finalizing a standard. We must recognize that the criteria for good standards are different from those for good science, although the two can be compatible if done properly. Our "customers" need authoritative decisions immediately. They are prepared to accept that standards may change as more knowledge is gained, but they cannot accept that there can be no standard before all the scientific questions are answered.

The Symposium participants asked the CIE for standards on colour appearance specification, on methods of calculating colour specifications from sparse spectral data (10- or 20-nm intervals), on viewing conditions for visual comparisons and instrumental measurements, on daylight sources for colorimetry, on RGB/CRT colorimetric definitions, and on colour management systems. In some cases these require only the endorsement of standards that have been developed already by other bodies. In others, the requirement is for an interim standard that can serve to unify practice while basic scientific work continues to lay the foundation for better standards in the future. A good example of the latter is the need for an interim standard colour appearance model that would enable information on the appearance of images to be

exchanged in a uniform and agreed way between different capture and display devices. Technical Committees of CIE Division 1 have been struggling with this issue for many years but have not been able to agree on a single model because the field is a dynamic one in which new test results are continually leading to new models and to improvements to existing ones. No single model has yet emerged as the best from a scientific point of view, but the image technology community cannot wait. It was suggested very strongly that the CIE should pause in its scientific efforts and develop a single interim compromise standard, with 1997 suggested as an appropriate date for the adoption of such a standard.

For at least 65 years, the CIE has been recognized as the world's leading authority on colour science and as a major source of recommendations and standards. The exploding field of image technology offers the CIE an opportunity to continue in these roles. Standards are needed urgently and the community is looking to the CIE to provide them. With its tradition of bringing together experts from many different disciplines, this is an opportunity and a challenge that the CIE is well placed to accept.

Alan Robertson, Vice-President

Received by Fax December, 1996

The Color Association of Japan

The President of **The Color Association of Japan** changed this year to Dr. **Munehira Akita**, of the Japanese Welfare University.

Because, in 1997, the AIC Congress is being held for the first time in Asia, a representative of the CAJ visited our neighboring country, South Korea, in September, 1996, in order to promote AIC Color 97 Kyoto.

AIC Color 97 Kyoto

The Organizing Committee

The Committee met on November 8, 1996.

The Chairperson of the **Organizing Committee** is Dr. **Yoshinobu Nayatani**, of Osaka Electro-communication University. Vice-chairpersons are Mr. **Ikuo Hirayama** (Artist), Mr. **Nagaichi Suga** (General Director, Suga Weather Technology Foundation), and Mr. **Yoshiharu Hukuhara** (President, Shiseido Co. Ltd.). The Officers of the Committee are composed of Members and the President of the CAJ. A progress report was presented by each Sub-committee, and matters were discussed, such as correspondence with various Asian countries and the goal of fund-raising activities, and so on.

The Steering Committee

The Chairperson of the **Steering Committee** is Dr. **Mitsuo Ikeda** of Ritsumeikan University. The Committee is composed of about 10 Members, and is responsible for proposing, discussing and adjusting ideas; discussions are held in order to ensure that all projects proceed smoothly, to include those supervised by a Scientific Program Committee, an Exhibition Committee, a Local Committee, and a Pre-event Committee. The Committee has been keen to encourage participants from Asian countries, for example, by offering selected financial aid and a Scholarship for Young Asian Color Scientists. Contact Dr. Ikeda for details on Fax +81-75-341-1917.

The Fund-raising Committee

The Chairperson of the **Fund-raising Committee** is Prof. **Asao Komachiya**, of Tokyo National University of Fine Arts and Music. The Officers representing the Kanto area, Tokai area and Kansai area are engaged in fund-raising activities for enterprises in each area. The difficulty of fund-raising was predicted because the present adverse condition of the Japanese economy. However, the Committee is almost attaining its goal, ahead of schedule, in both individual and corporate fund-raising.

The Scientific Program Committee

The Chairperson of the **Scientific Program Committee** is Dr. **Hirohisa Yaguchi**, of Chiba University. The Committee is composed of 18 Members from foreign countries and 20 Japanese Members, as stated in the Second Circular. Regarding contents of the Program, efforts have been made to increase the participation of the area of design. The need for interpretation into the English language has been prepared for. Sections on color management, color cognition and machine vision, color design 21, and art restoration are to be included. At present there are minor delays regarding the preparation of parts of the Symposium dealing with design.

The Local Committee

The Chairperson of the **Local Committee** is Dr. **Yoshimichi Ejima**, of Kyoto University. Its activities started this autumn, and have been concerned with a Technical Tour, meeting-place management, and an accompanying persons program, plus an exhibition of Kabuki clothing.

The Exhibition Committee

The Chairperson of the **Exhibition Committee** is Dr. **Hitoshi Komatsubara**, Chief Examiner of the Japan Color Research Institute. Currently, it is anticipated that some 30 companies will participate in the Exhibition accompanying the Symposium.

The Pre-event Committee

The Chairperson of the **Pre-event Committee** is Prof. **Masao Yamagishi**, of the Kanazawa College of Art. The Pre-event Program is scheduled for the day preceding AIC Color 97 Kyoto. The purpose of the Program is to encourage and welcome further participants to the Symposium. Its theme encompasses personal color and public color. Included in this event is a lecture on the color theories of Prof. **Jean-Philippe Lenclos** from France.

The 27th National Conference of the Color Association of Japan

The Conference was held in Osaka on May 16 and 17, 1996. The Executive Chairperson is Dr. **Naoyuki Osaka**, of Kyoto University.

There were 47 spoken presentations.

An enthusiastic greeting, looking forward to **AIC Color 97 Kyoto**, was given in the general meeting of this convention.

Transcribed by RO 6 Dec 96

AIC Study Group: Colour Education. At the AIC Executive Committee meeting in Gothenburg, in June, 1996, I was appointed Chair of the Colour Education Study Group. It is my intention to concentrate on colour education in art in further and higher education. My initial task has been to compile a *bibliography* of books on colour education in art (see below). My second intention is to contact educators worldwide, in order to investigate and record various approaches to the teaching of colour in art schools. **Roy Osborne** MA, current Chairman, The Colour Group (GB).

1584 Giovanni Paolo Lomazzo, *Trattato dell'arte della pittura*. Milan.

1651 Leonardo da Vinci, *Trattato della pittura*. Milan.

1699 Roger de Piles, *Dialogue sur le coloris*. Paris.

1725 Jacob Christolph Le Blon, *Coloritto, or, The Harmony of Colouring in Painting*. London.

c. 1766 Moses Harris, *The Natural System of Colours*. London.

1809 James Sowerby, *A New Elucidation of Colours, Original, Prismatic and Material*. London.

1810 Johann Wolfgang von Goethe, *Zur Farbenlehre*. Tübingen.

1810 Philipp Otto Runge, *Die Farbenkugel*. Hamburg.

1817 George Field, *Chromatics, or, An Essay on the Analogy and Harmony of Colours*. London.

1826 Charles Hayter, *A New Practical Treatise on the Three Primitive Colours*. London.

1838 Frank Howard, *Colour as a Means of Art*. London.

1839 Michel-Eugène Chevreul, *De la Loi du contraste simultané des couleurs*. Paris.

1853 Richard Redgrave, *An Elementary Manual of Colour*. London.

1857 John Ruskin, *The Elements of Drawing*. London.

1867 Charles Blanc, *Grammaire des arts du dessin*. Paris.

1871 Arthur Herbert Church, *Colour, An Elementary Manual*. London.

1873 Thomas Sully, *Hints to Young Painters*. New York.

1874 Wilhelm von Bezold, *Die Farbenlehre in Hinblick auf Kunst*. Braunschweig.

1879 Ogden Rood, *Modern Chromatics*. New York & London.

1882 William Muckley, *A Handbook for Painters and Art Students on the Character, Nature and Use of Colours*. London.

1883 Lucretia Crocker, *Lessons on Colour in Primary Schools*. Chicago.

1890 Milton Bradley, *Color in the School Room*. Springfield, Massachusetts.

1893, Louis Prang, *Color Instruction*. Boston.

1895 Mark Maycock, *A Class-book for Color Teachers*. Buffalo, New York.

1896 Helena Chace, *Practical Color Work for Primary and Ungraded Schools*. Springfield, Massachusetts.

1900 Anson Kent Cross, *Color Study, A Manual for Teachers and Students*. Boston.

1900 George Henry Hurst, *Colour, A Handbook of the Theory of Colour*. London.

1902 James Ward, *Colour Harmony and Contrast for the Use of Art Students*. London.

1905 Albert Henry Munsell, *A Color Notation*. Boston.
1912 Wassily Kandinsky, *Über das Geistige in der Kunst*. Munich.

1915 Henry Barrett Carpenter, *Suggestions for the Study of Colour*. Rochdale, Lancashire.

1916 Wilhelm Ostwald, *Die Farbenfibel*. Leipzig.

1923 Walter Sargent, *The Enjoyment and Use of Color*. New York.

1925 Maurice de Boigey, *The Science of Colour and the Art of the Painter*. London.

1925 Michael Jacobs, *The Study of Color, with Lessons and Exercises*. New York.

1927 Frederick Le Roy Sargent, *Working System of Color for Students of Art and Nature*. New York.

1928 Herbert Rankin, *Simple Lessons in Colour*. London.

1933 Anna Marie Anderson, *Syllabus of Design and Color*. New York.

1933 Arthur MacMorland, *Colour: Theory and Practice for Schools and Colleges*. London.

1935 Arthur Allen, *The Teaching of Colour in Schools*. London.

1935 Oliver Jesse Tonks, *Colour Practice in Schools*. London.

1942 Hilaire Hiler, *Color Harmony and Pigments*. Chicago & New York.

1952 Maitland Graves, *Color Fundamentals*. New York.

1956 Paul Klee, *Das bildnerische Denken*. Basel.

1961 Faber Birren, *Creative Color*. New York.

1961 Johannes Itten, *Kunst der Farbe*. Ravensburg.

1962 Frank Taylor, *Colour Technology for Artists*. Oxford & London.

1963 Josef Albers, *Interaction of Color*. New Haven.

1965 Charles Smith, *Student Handbook of Color*. New York.

1967 Hal Helman, *The Art and Science of Color*. New York.

1971 Gottfried Tritten, *Teaching Color and Form*. New York.

1972 Harald Küppers, *Farbe: Ursprung, Systematik, Anwendung*. Munich.

1973 Frans Gerritsen, *Het fenomen kleur*. Amsterdam.

1974 Joseph Gatto, *Color and Value: Design Elements*. Massachusetts.

1977 Harald Küppers, *Das Grundgesetz der Farbenlehre*. Cologne.

1980 Roy Osborne, *Lights and Pigments: Colour Principles for Artists*. London.

1980 Enid Verity, *Colour Observed*. London.

1983 Hazel Rossotti, *Colour: Why the World Isn't Grey*. Harmondsworth, Middlesex.

INVITATION ADDRESS

Dear Colleagues,

On behalf of the Organizing Committee, it is our great pleasure to invite you to the 8th AIC Color Congress to be held from May 25 to 30, 1997, in Kyoto, Japan. We believe the Congress will provide an ideal opportunity for the lively exchange of information and knowledge on various aspects of color between the participants. There will also be ample opportunities to enjoy traditional Japanese culture in the ancient capital, Kyoto. We trust that your stay in Japan will be most enjoyable. We look forward to seeing you in Kyoto.



Yoshinobu Nayatani
Professor
Osaka Electro-Communication University
Chairperson, Organizing Committee

WELCOME MESSAGE

Dear Friends,

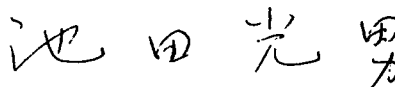
The AIC Congress takes place once every four years in one of its member countries. This Congress is the Olympics of color science, engineering, design and arts. At the Olympics, athletes from across the globe gather to compete in sports. The AIC Congress is the corresponding forum for competition in research and ideas in color. At Olympics, people form friendships. In the same way, the AIC Congress offers an environment for both reunions and the creation of new, lasting acquaintances. This is the first time the AIC Congress shall be held in Asia, making it possible for many young people from across the continent to come to an event they would otherwise have difficulty attending. AIC Color 97 Kyoto aims to become a focal point of exchange between Western and Asian people. Kyoto is a beautiful, quiet old city, rich in an academic atmosphere, suitable for frank talks with old and new friends.

We will do our best to give you a hearty and warm welcome, and sincerely look forward to meeting you and your colleagues in Kyoto in May, 1997.

HOME PAGE "AIC COLOR 97 KYOTO"

Updated information on AIC Color 97 Kyoto can be found on the home page:

<http://is804.tech.chiba-u.ac.jp/AIC97/>



Mitsuo Ikeda
Professor, Ritsumeikan University
Chairperson, Steering Committee

CONGRESS INFORMATION

- Period:** May 25 (Sunday) - May 30 (Friday), 1997
- Venue:** Kyoto International Conference Hall
Takaragaike, Sakyo-ku
Kyoto 606, Japan
- Language:** The working language of the Congress is English.
- Invitation letters/
Visas:** Participants may require official invitation letters to the Congress for either local grant applications or entry visas to Japan. Please write to the Secretariat should such a letter be needed. This invitation, however, does not imply commitment to the payment of any expenses.
Participants requiring Organizing Committee support of their visa applications are asked to consult the Passports and Visas section for further information.