

# AIC Newsletter

Association Internationale de la Couleur

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## R.W.G. HUNT RECEIVES JUDD-AIC AWARD

The 1987 Deane B. Judd - AIC Award has been conferred on Robert W.G. Hunt in recognition of his extensive contributions to the science and technology of colour.

The Award was instituted in 1975 in honour of the memory of the outstanding colour scientist Deane B. Judd. It is awarded biennially by the AIC to recognize and honour persons who have performed work of outstanding merit in colour science. Previous recipients have been Miss Dorothy Nickerson, Professor Dr. William David Wright, Dr. Günter Wyszecki, Professor Dr. Manfred Richter, Dr. David Lewis MacAdam and Professors Dorothea Jameson and Leo Hurvich.

Dr. Hunt's work on colour negative films, the telecine transfer of film to television, the reproduction of reversal film using graphic art materials, his investigations towards the assessment of colour appearance and the ability of an observer to scale the hue, colourfulness and lightness of a surface colour using a variety of adaptation conditions, are among the contributions noted here for recognition by the AIC. His professional career at Kodak Research Laboratories spanned a period of more than 35 years during which time he published his book "The Reproduction of Colour", which is seen as a standard text-book by everyone involved in the art and science of reproducing colour using photography, television or printing. Even after 1982 in retirement he has not been inactive. His book has been updated, and another one written as well and he was President of the AIC from 1982 to 1985 having previously served on the AIC Executive Committee. His contributions to colour reproduction and the assessment of colour appearance, and his contributions to colour standardization in the relevant CIE Committees have earned him admiration and gratitude of colleagues and associates throughout the international colour community. The Executive Committee of the AIC is therefore pleased to honour Dr. Robert W.G. Hunt with the 1987 Deane B. Judd-AIC Award.

The award consists of a gold medal with a portrait of Deane Judd on one side, and on the other side the inscription "To honour Robert Hunt 1987 for important work in colour science". The President of the AIC, Dr. Heinz Terstiege presented the Award to Dr. Hunt at the AIC Midterm meeting in Florence, Italy on 12 June 1987.

### MESSAGE FROM THE PRESIDENT

It is a tradition for AIC to hold Interim Symposia in combination with CIE Sessions. The CIE Session is a break for the AIC quadrennium and reason for a review:

The first Interim Symposium of this quadrennium was successfully organized by the Canadian Society for Color (CSC) in June 86 in Toronto, Canada, under the title "Color in Computer-Generated Displays". The Symposium drew 116 participants, 21 from countries outside Canada and USA.

The next AIC Interim Symposium, which took place in Florence this year, was organized under the scientific responsibility of CIE Committee TC 1-03 "Models of Heterochromatic Brightness Matching" (Chairman: Dr. Peter Kaiser) and was called "AIC Wyszecki and Stiles Memorial Symposium on Color Vision Models" in memory of the numerous contributions these scientists made to the science of color vision. Like the Driebergen Symposium on Color Metrics in 1971 this symposium was an exchange of ideas and discussions between color vision specialists. Therefore 40 scientists were invited to present papers. Because of limited facilities unfortunately only a small number of additional participants could take part. However a summary of the conference was presented as a paper at the CIE Session in Venice afterwards. In addition AIC will publish proceedings of the Interim Symposium.

In less than two years we will have AIC COLOR 89 which will be organized by the Grupo Argentino de Color under the chairmanship of Lic. Daniel R. Lozano in Buenos Aires. The event will take place from March 13 to 19, 1989 and the count down is already in progress. The AIC Papers Committee had its first meeting in Florence in June at the Interim Symposium. The AIC Executive Committee hopes to welcome many participants and accompanying persons in 1989 in Buenos Aires.

At COLOR 85 in Monte Carlo the Chinese Colour Commission joined AIC as new member. One year later at the Executive Committee's meeting in Toronto the South African Colour Science Association was welcomed as new member of the AIC. Then, during the 1987 Executive Committee meeting, the Colour Society of Australia was admitted so that the AIC now has 21 members and 8 observers.

Heinz Terstiege

## 1987 AIC INTERIM MEETING

### Wyszecki and Stiles Memorial Symposium on Color Vision Models

The 1987 Interim meeting of the AIC took the form of an international Symposium on Color Vision Models. It was held on 10-13 June 1987 in Florence, Italy and was named in honour of the memory of Günter Wyszecki and Walter Stanley Stiles, two giants of colour science who died in 1985. The Symposium was organized in cooperation with the International Commission on Illumination (CIE) Technical Committee 1-03. The chief organizers were Heinz Terstiege (Chairman), Peter Kaiser (Program Chairman) and Lucia Ronchi (Arrangements Chairman).

In order to encourage a high level of discussion and interaction among experts, attendance was limited to about 60 people and all the approximately 35 speakers were invited experts. In addition Wolfgang Budde and Mathew Alpern respectively presented memories of Wyszecki and Stiles in which they emphasized the personal character of the men they honoured rather than their scientific achievements.

The technical part of the Symposium was held in the Institute of Optics. The program was organized around a set of ten specific questions:

1. What are the factors that determine cone action spectra and how do the details of the spectra affect models of colour vision?
2. How are models affected by the numerosities and spatial distributions of different cone classes?
3. What transformations are undergone by the cone signals in the early visual system and is it useful to employ the concept of opponent channels?
4. To what extent is colour information analyzed independently of spatial and temporal information?
5. Is there a luminance of channel?
6. What non-linearities do we need to postulate in the analysis of colour?

7. How do rod signals interact with cone signals?
8. What are observers doing when making colour matches, colour discriminations, or heterochromatic brightness matches?
9. What is the nature of the neural processes that correspond to psychologically unique hues?
10. How is colour constancy to be explained?

Originally, there were no plans to publish proceedings, but following some discussions in the final stages of the Symposium it is now likely that proceedings will be made available. Interested people should contact the President of the AIC, Dr. Heinz Terstiege, Bundesanstalt für Materialprüfung, Unter den Eichen 87, D-1000 Berlin 45, Germany (Federal Republic).

Alan Robertson

#### 1988 AIC INTERIM MEETING

A Symposium on "Color in Environmental Design" will be held at Winterthur Polytechnic in Switzerland 8-11 August 1988.

First circulars with "Call for Contributions" will be distributed to the AIC National Member Bodies by the Organizer Prof. Werner Spillman, Winterthur Polytechnic Department of Architecture, CH-8401 Winterthur (Switzerland).

## **AIC COLOR 89, BUENOS AIRES, ARGENTINA**

The 6th Congress of the AIC will be held at the Centro Cultural, General San Martín, Sarmiento 1551, Buenos Aires, Argentina on 13-17 March 1989.

The Congress is being organized under the general direction of the President of the AIC, Professor Dr. Heinz Terstiege, and of the AIC Executive Committee, and under detailed direction of the Executive Board of the Argentine Colour Group (Grupo Argentino del Color - GAC).

The General Chairman will be Lic. Roberto Daniel Lozano, the Program Chairman will be Dr. Lorenzo Plaza Montero, the Financial Chairman will be Lic. Cristina Melcon de Bellora, and the Arrangements Chairman will be Lic. Antonio A. Alvarez.

### **Provisional Program**

The program will consist of general sessions in the mornings and poster sessions and specialist sessions in the afternoons. All sessions will be held in large and medium lecture halls in the Centro Cultural San Martín which belongs to the Buenos Aires City Council.

At the general sessions broad surveys on various aspects of color will be given by invited lectures, while in the poster and specialist sessions contributions on more detailed aspects of color will be presented. Papers will be selected for oral or poster presentation trying to group them together with similar topics. Parallel sessions, if required, will take place in adjacent lecture halls.

It is the wish of the organizers to keep parallel sessions to the minimum possible and leave time for discussions on the topics of most interest.

An exhibition of scientific equipment, books, charts, photographs and other illustrative material will be arranged for display in the Orange Room of the Center.

### **Invited Survey Lectures**

In keeping with the objectives of the AIC to provide, through its Congresses and Proceedings, a record of the state of the art and science of color at four-year intervals, the Congress will include approximately eight invited survey lectures presented by international experts, each dealing in depth with one aspect of color. The titles of these lectures and the names of the speakers will be announced at a later date.

### **Contributed Papers**

Offers of papers, which may deal with any aspect of the science, art and technology of color, must be submitted to the Program Chairman with three (3) copies of an extended abstract of not more than 1000 words by September 1, 1988. The abstract, which will be published in the Proceedings, must be patterned following the guides which will be provided to each contributor, and may include one diagram. Papers will be accepted in English, French or German, but the preferred language is English. Papers will be accepted subject to review by a Papers Committee chaired by the Program Chairman and authors will be notified regarding acceptance by November 1, 1988. The Papers Committee will be responsible for grouping papers into specialist sessions and the assignment of mode and time for their presentation.

### **Preprints and Proceedings**

The Proceedings of the Congress, consisting of the survey lectures and the extended abstracts, will be published as COLOUR 89. Preprints will be supplied in advance of the meeting. The cost of the Preprints and Proceedings will be included in the registration fee. Authors will be free to publish the complete version of their paper in any journal of their choice if they wish to do so.

### **Accommodations**

Buenos Aires is a large city of several million inhabitants. It is modern, with large and wide avenues in its central part, and provides a wide selection of hotels and pensions with a capacity of nearly 30 000 beds. Prices are very reasonable for most categories (5/4 stars about US\$80/100 daily, 3 stars about US\$50 daily, 1/2 stars US\$ 10/20 daily), which is less expensive than in most countries. A detailed guide for hotel selection will be provided, giving a reservation service which will guarantee good attention and comfort for any class of lodging reserved.

### **Social Program**

A full social program will be arranged and participants are invited to bring members of their families with them. Buenos Aires and surroundings offer charming and interesting places to visit from very wild life in the "Tigre" Delta to the folklore of traditional "asados" and "gauchos". Full of artists and artist life, several possibilities will be offered from classical music to "tango" or national folk music.

Arrangements will be made for participants to make advance reservations for scheduled social events should they wish to do so.

### **Registration Fee**

The registration fee for participants is expected to be US\$220, but a firm announcement will be made later. This fee will include the cost of the Preprints and the Proceedings. The registration fee for accompanying persons is expected to be US\$80.

### **Preliminary Registration**

Preliminary registration for the Congress may be made by writing to the address given below. This is not a binding registration, but the second circular giving further details of the Congress and including the final registration form will be sent only to those who have submitted a preliminary registration.

The second circular will be sent in April/May 1988. It will greatly assist the Organizing Committee if preliminary registrations are made as soon as possible.

### **Correspondence**

Inquiries and correspondence should be addressed to:

COLOR 89  
Grupo Argentino del Color  
c/o Division Optica  
INTI  
C.C. 157  
1650 San Martin (BA)  
ARGENTINA

### YVES LE GRAND, 1908-1986

Le Professeur Le Grand a consacré sa carrière à l'enseignement et à la recherche en optique Physiologique et à ses applications biologiques et techniques. Il a laissé à la postérité une oeuvre écrite considérable.

Ancien élève de l'Ecole Polytechnique, il entreprit l'étude de l'oeil humain en tant qu'instrument d'Optique et récepteur de rayonnement. Ses premières recherches portèrent sur la vision binoculaire, la photométrie, l'éblouissement et les aberrations de l'oeil humain. Il fut le premier à employer la technique des franges d'interférences formées directement sur la rétine, en vue de mesurer le pouvoir séparateur de l'oeil indépendamment de ses défauts optiques (1935). Sa thèse de Doctorat ès Sciences (1937) traite de la diffusion de la lumière dans l'oeil: il tenta de séparer les causes physiques et physiologiques de l'éblouissement.

Dès 1935, le cadre de son travail fut le Laboratoire de Physique Appliquée du Muséum National d'Histoire Naturelle à Paris. D'abord collaborateur de Jean Becquerel, il lui succéda comme professeur au Muséum en 1949, et comme examinateur des élèves à l'Ecole Polytechnique. Avec l'esprit créatif qu'il avait admiré chez les Becquerel, le Professeur Le Grand continua d'étudier de nombreux problèmes visuels: observation du phénomène Geblewicz-Le Grand de papillotement en vision latérale (1937), photométrie des sources ponctuelles, colorimétrie, myopie de nuit, théorie de la vision des couleurs, photobiologie, rythmes circadiens, etc. Beaucoup d'élèves français et étrangers ont été formés à la recherche sous sa direction.

De 1942 à 1969, il enseigna l'Optique Physiologique à l'Institut d'Optique. Il voulait lui-même que l'exposé fut assez général pour intéresser le plus d'auditeurs possible et assez concret pour servir utilement à la diffusion de la Science. Grâce à la clarté de ses exposés et au style vivant de son discours, il réalisa pleinement ses objectifs et éveilla de nombreuses vocations.

Ses cours furent à l'origine de son oeuvre majeure: un Traité d'Optique Physiologique en trois volumes, remis à jour régulièrement: I. "La dioptrique de l'oeil et sa correction", 1946 (traduit en anglais en 1980), II. "Lumière et couleurs", 1948 (traduction anglaise "Light, Colour and Vision", 1972), III. "L'espace visuel", 1956 (traduction anglaise "Form and Space Vision", 1968). Ce traité, comparable à celui qu'Helmholtz avait publié en siècle auparavant sur le même sujet, constitue une synthèse magistrale et



reste toujours l'ouvrage de référence pour les spécialistes de la Vision. Il assura au Professeur Le Grand en rayonnement considérable en France comme à l'étranger.

D'autres ouvrages de synthèse ont été publiés sous sa signature et reflètent la qualité encyclopédique de son intelligence. En particulier, citons: "Vision, lumière et éclairage", 1958, "Les yeux et la vision", 1960, "Lumière et vie animale", 1967, (traduction anglaise "An introduction to Photobiology", 1972), "Spectral Luminosity" dans "Handbook of Sensory Physiology", 1972. Particulièrement compétent dans les domaines de la biologie où la lumière prend une part active, il donna aussi en essor aux recherches en Océanographie Physique et publia d'importantes notes de synthèse sur le rôle de la lumière dans l'évolution. Son élection à la Direction du Muséum National d'Histoire Naturelle consacra son intérêt pour les Sciences Naturelles sur lesquelles il portait un regard de physicien très apprécié de ses collègues zoologistes, botanistes et biologistes.

Le Professeur Le Grand est officier de la Légion d'Honneur. Sa valeur scientifique est attestée par les hautes fonctions qui lui furent confiées en France et à l'étranger: président de l'Association Française de l'Eclairage, président de l'Association Française de Colorimétrie, président de la Société Française d'Optique Physiologique, président du Comité National Français de l'Eclairage, secrétaire général, puis vice-président de la Commission Internationale de l'Eclairage, ainsi que par les nombreuses distinctions dont il fut lauréat: Prix Hughes de l'Institut, Médaille Tillyer de l'Optical Society of America, et enfin Médaille Prentice de l'American Academy of Optometry.

Décédé le 20 janvier 1986, le Professeur Le Grand laisse à ses amis, ses collaborateurs et ses élèves, le souvenir d'un homme très ouvert, extraordinairement cultivé, et doué d'un esprit lumineux.

Françoise Vienot

### C. JAMES BARTLESON, 1929-1987

Jim Bartleson died, unexpectedly, in his sleep, on Tuesday August 25, 1987. He is survived by his wife Trudy and sons, Chris and Brandt.

Although Jim's untimely death is a shock and severe loss to us all, he has left a rich legacy of color science from his 32-year publication record. In addition, his active administrative role in color research has made significant contributions.

Jim was born in Kenmore, New York. He spent the first two years of secondary school at Latin High School in New York City and finished his senior year in Illinois where he met Trudy. Immediately upon graduating from high school Jim enlisted in the United States Marine Corps where he trained as a frogman. It was in the marines that he received his first experience in photography which was to be such an important part of his research life.

In 1951 he received the degree of Associate of Applied Science from the Rochester Institute of Technology and in 1977 he received his Ph.D. in visual science and physiology from The City University of London, School of Ophthalmic Optics and Visual Science. Between these two degrees Jim also took courses at Columbia University and the University of Rochester.

His first professional job in color was with Pavelle Color Corporation where he worked on a photographic color print system using the Ansco Plenachrome film. He joined Eastman Kodak in 1952. In 1967 he joined Kollmorgen Corporation as Vice President and Director of Research and Development. In 1974 he commenced studies for his Ph.D. and returned to Eastman Kodak in 1977 where he attained the position of Senior Research Scientist.

Jim's work in color science received international acclaim. He was awarded the Isaac Newton Medal from the Colour Group of Great Britain, the C.E.K. Mees Award from the Research Laboratories of Eastman Kodak, the Service Award from the Photographic Society of America, the Journal Award from the Society of Motion Picture and Television Engineers, the Papers Award from the Japan Graphic Arts Association and the Speakers Award from the Color Science Association of Japan.

He was a Fellow of the Optical Society of America, and Vice President and President of the International Colour Association (AIC).

He devoted considerable effort to the International Commission on Illumination (CIE) where he served as Associate Director of Division 1, Chairman of Technical Committee 1-06 and member or consultant of Technical Committees 1-03, 1-04, 1-05, and 1-13. His activities in the U.S. National Committee of the CIE included Director, Executive Board of Directors, and member of the Scientific Advisory Board. In the AIC, in addition to his elected-officer duties, Jim was chairman of the Study Group on Color Order Systems.

His publication record was truly impressive. Not including book reviews, meeting reports and internal reports, Jim's publication list numbers over 70 items. The most recent major effort includes the five volume Optical Radiation Measurements co-edited with the late Franc Grum and published by Academic Press. Jim contributed seven chapters to the volume on Visual Measurements.

Those of us who observed and worked with Jim at scientific meetings also knew him as an impressive teacher. He had the ability to take complex topics and make them understandable through well thought-out prose accompanied by superb visual aids.

Daan Zwick said it best in his eulogy at the memorial service: "Though Jim Bartleson has gone, there remains for each of us so much of his living to admire, remember and cherish."

Peter Kaiser

#### W.S. STILES LECTURESHIP FUND

On the initiative of Professor Jay Enoch, a small international committee has been formed to try to establish a permanent annual lectureship in memory of the late W.S. Stiles. It is proposed to establish the lectureship at University College, London - Stiles' alma mater. The proposal has been welcomed by the Provost of University College. A sum of fifteen thousand U.S. dollars is needed.

Stiles was one of the most distinguished visual scientists of the twentieth century, although he did not attract a great deal of public recognition in his lifetime. His concept of a mechanism or channel, independent in detection and adaptation, has been extended from colour vision to many other sensory dimensions. He will be remembered for his discovery, with Crawford, of the directional sensitivity of the retina; his line-element analysis of discrimination; his concept of the equivalent background; his 10° colour-matching functions, which were the basis for an international standard; and his monumental 'Color Science', jointly written with G. Wyszecki.

Anyone who values the contributions of Stiles to visual science and feels able make a donation to the fund, is invited to send a cheque either to Professor J.M. Enoch, School of Optometry, University of California, Berkeley, California 94720; or to The W.S. Stiles Lectureship Fund, The Finance Division, University College London, Gower St., London WC1E 6BT, United Kingdom.

John Mollon

#### DAVID WRIGHT AND THE AIC

Many discussions had already been held at the annual "Journées internationales de la couleur" in Europe which had taken place since 1957, but it was only during the XVth CIE Congress in Vienna at an informal meeting of people interested in colour on 21st of June 1963 that an international Action Committee consisting of delegates of national organizations within each country was formed. However at the International Colour Meeting in Lucerne in June 1965, the Action Committee could not yet agree on the statutes of an International Organization to be chartered.

When on the 21st of June 1967 during the XVIth CIE Session in Washington the Chairman and the Secretary of the Action Committee called the delegates and interested observers of National Colour Organizations to a meeting, W.D. Wright was one of the 25 participants from 15 countries which had gathered in the Diplomat Room of the Sheraton Hotel in Washington DC and after some discussions chartered the International Colour Association (AIC).

Since it was intended to have the AIC Congresses every four years alternating with CIE Congresses it was decided to have the first congress together with the next meeting of AIC delegates in 1969. For this first term Professor W.D. Wright was unanimously elected the first AIC President and he also served the next term until 1973 as Past President of the AIC.

In recognition of his extensive contributions to the science and technology of colour, Professor William David Wright was honoured by the International Colour Association with the 1977 Deane B. Judd-AIC Award.

On the occasion of his 80th birthday the AIC wishes David Wright all the very best and I personally, who have had the privilege of spending 6 weeks with him at the Imperial College in London, want to thank him for everything that he has done for the world of colour.

Heinz Terstiege

### ANNOTATED BIBLIOGRAPHY ON COLOR SYSTEMS

An Annotated Bibliography on Color Order Systems, commissioned by the AIC was completed in 1985 by the Study Group on Color Order Systems, under the chairmanship of Dr. Fred W. Billmeyer, Jr. A preliminary distribution of the bibliography early in 1986 by ASTM Committee E 12 on Appearance was limited in physical appearance due to cost restriction for both production and distribution.

Through the generosity of Mr. Faber Birren, a member of the study group, a new edition has been prepared by reprinting in new typeface on quality paper, with cover and plastic binding. This 90-page booklet, 8.5 x 11 inches in size, contains the full original report of over 400 entries, updated to November, 1986. Among the color order systems covered are the Munsell, Natural Color, OSA-UCS, Ostwald, DIN, and Coloroid systems.

Until the edition of 200 copies is exhausted, copies will be sent to individuals at no charge except for the following for postage and handling:

First-class mail within the U.S.	- US \$3.10
First-class mail to Canada	- US \$3.20
Air mail to all overseas locations	- US \$6.50

All payments must be made by International Money Order or in U.S. Dollars drawn on a U.S. bank. Funds drawn on foreign banks (including Canadian) not having a U.S. office will not be honored and payment will be returned. Copies should be requested from: Mimeoform Services, Inc.; Rear, 4805 Prince George's Avenue; Beltsville, Maryland 20705, U.S.A.

## NEWS FROM MEMBER COUNTRIES

### Argentina

The GAC organized courses entitled "Introduction to Colour Science", "Advanced Techniques of Colour Technology" and "Colour Formulation". The courses were given by Lic. R. Lozano and Lic. A.A. Alvarez in May 1987, and included laboratory practice.

### Australia

On April 11th, 1985, at a seminar on colour, an announcement was made suggesting that a colour society be established in Australia which required only that its members have an interest in any of the many aspects of colour. The response to this suggestion was overwhelming with much enthusiasm shown from groups involved in the art, industry and science of colour.

Organising committees were established in both Sydney and Melbourne which drafted the Rules and By-Laws for the Colour Society of Australia. The Organising Committees also arranged a number of technical meetings covering specific aspects of colour. These meetings, which were open to anyone, proved most successful so it was decided that on July 1st 1986, the start of the Australian financial year, the Society would be established by accepting its founding members.

The Society now has almost one hundred members throughout Australia and Divisions have been established in the states of New South Wales, Victoria and Western Australia. These Divisions organise a programme of regular technical meetings which are open to all members as well as guests and visitors. The Society hopes that Divisions will soon be established in the remaining states of Queensland, South Australia and Tasmania.

The business of the Society is undertaken by a Council consisting of an equal number of elected representatives from each of the state Divisions. The Council is responsible for all matters relating to the constitution of the Society, membership, finance and liaison with other organisations.

Each Division is run by a committee which is responsible for the organisation of a programme of technical meetings in its state. This programme is designed to encompass a wide range of topics thereby satisfying the needs of the membership which have diverse interests in colour. These meetings, which are held on a monthly or bimonthly basis depending on the Division, invite a guest speaker to present a paper on a specific aspect of colour.

The Division is funded by the national Council which returns a proportion of the members subscription to the state in which the member resides.

All members receive a copy of the monthly newsletter and notices of all technical meetings which are held throughout Australia. This ensures that all members know what is going on in all states and encourages them to attend these meetings when they travel interstate.

The Society was recently invited to become a Full Member of the Australian National Committee on Illumination (ANCI), the Australian member body of the CIE. The Society was very pleased to accept this invitation and looks forward to being involved in the work of CIE Division 1, Vision and Colour.

The Society is also well represented on the "Colour Assessment and Measurement Committee" of the Standards Association of Australia (SAA). This committee is presently reviewing a number of Australian Standards on topics such as the method of "Visual Comparison of Colour Matches" and "Instrumental Measurement of Colour Differences".

In September of 1987, the Western Australian Division of the Society will be holding our first national conference and we are delighted to have Dr. Anders Hard as our guest speaker. In addition, we are also organising a special meeting at which Frans Gerritsen will be our guest in August of this year.

In the twelve months since its formation, the Colour Society of Australia has achieved a great deal and is represented well across the country. Its membership covers a wide range of interests and continues to grow at a pleasing rate.

The Society has a promising future and looks forward enthusiastically to becoming a member of the AIC, thereby broadening our horizons and allowing us to participate with our colleagues overseas on an international basis.

### France

A colloquium on 'Colour in Schools' was held in Paris in November 1986 and was attended by almost 300 people. The colloquium focussed on different methods of teaching colour.

Since February 1987, the President of the CFC has been M. Robert Sève, who replaced M. Michel Albert-Vanel.

### Hungary

The XXith Symposium of Coloristics was organized in Siofok, September 28 to 30, 1987, by the Hungarian Society of Chemists, the Hungarian National Colour Committee, and the Scientific Society for Building. Scopes: Pigments, colorimetry, colour design.

The 3rd International Conference on Colour Dynamics will be organized by the Hungarian National Colour Committee and the Hungarian Academy of Sciences, August 23 to 26, 1988. Scopes: Experiments on the interaction between man-colour-environment, theory and practice of colour design.

Address of registration: Technical University of Budapest,  
Dr. Nemcsics Antal  
1111 Budapest, Müegyetem rkp.3.  
Hungary.

The 1st International Colour Design Studio will be organized by the Hungarian National Colour Committee, the Hungarian Academy of Sciences and the Hungarian Society for Urbanology for young specialists, August 15 to 28, 1988. Scopes: Colour design of historical towns.

Address of registration: Hungarian Society for Urbanology,  
1088 Budapest, Rakoczi ut 7.  
Hungary.

A new colour atlas for the COLOROID colour system will be published in December 1987. It contains 2000 colour samples. Texts are in English, French, German and Hungarian. Colour samples are defined, in addition to coloroid coordinates, also in terms of CIE XYZ, CIE xy, Munsell, NCS, and DIN colour values.

To be obtained from: Novotrade RT.  
1136 Budapest Fürst S.u. 24-26,  
Hungary.  
Telex: 22-5959 NOVTR H.



### **Netherlands**

The "Dutch Colour Association" (NVVK) organized a symposium wholly dedicated to Goethe's Theory of Colours, with four speakers, a lot of experiments as mentioned by Goethe. A professional group of dancers danced the colour circle as described by Goethe.

More than 250 spectators from all over the country were expected in Zeist for the symposium.

In Almere - a newly built satellite city for Amsterdam - a 2-hour colourful walk through the city is established as standard tourist tour. In other cities, walks, also colourful and guided by colours are in preparation to set an awakening interest in coloured cities and coloured architecture.

### **South Africa**

The Rainbow and other Spectra were clearly in evidence for all to behold at the first AGM and Conference of the South African Colour Science Association in Johannesburg on 30 October, 1986.

Mr. Chalmers, in opening the proceedings, took great pleasure in welcoming Professor H. Terstiege, President of the International Colour Association, and Mr. J. Duncan, the Director Technical Liaison & Research of the SABC and Council Member of the SAIEE.

Mr. Duncan's Opening Address was dramatic, since he went from Thomas Young and Maxwell to describe the exciting demonstrations he had witnessed at the record-breaking 1986 International Broadcasting Convention in Brighton - the High Definition Television, 1125-1250 lines of superb colour fidelity.

Mr. Chalmers in presenting his Report for this first year was modest indeed. He announced that Membership of the AIC had been achieved; and the Association had a growing membership from television, photography, textiles, paints, plastics, foodstuffs, paper and pulp industry. Mr. Chalmers emphasised that SACSAs was not an offshoot of SANCI; the Association represented RSA in AIC.

The Keynote Address by Professor Terstiege from Germany, President of AIC and Secretary to CIE, brought to our notice the activities of the thirty countries involved, the variety of colour systems, the past histories and developments and, from the wide fields of developments, he selected the colours for traffic signs - which brought Mr. Sator to his feet to confirm his work in CSIR.

Mr. Dempster, that man of many activities in the varieties of different forms of lighting, presented a dissertation, this time on art - from Rubens to Constable - and the lights by which they created their masterpieces, which he compared with the present-day lighting of our art galleries.

Dr. Kok, that doyen ever-reaching into space, proved to his own satisfaction, if not to everyone present in this world, that D65 was the light source as a compromise for all countries of the world and anyway, where would we be in RSA without Dr. Kok and daylight studies?

Dr. Einhorn, that man with a sharp eye and tongue for colour and all the poor lamp makers, having had implanted a much sharper right eye, tricked us all with his non-eye-adaptation light sources, but what's the good of being a colour rendering expert if you're not allowed some magic? Tri-phosphors indeed!

Dr. Barkhuysen of the Textile Institute described their textile testing works, but we have a feeling he was outwitted, at least for the ladies present, when Dr. Dodge brought to light all the optical properties of diamonds, and the defects in construction that produce the colours by absorbing light. He was followed by Dr. de Boer with his intriguing computer activities in printing colours.

Remarkably, with such a feast of talent and cornucopia of subjects allied with colour, Mr. Chalmers in the chair tactfully kept the program to time, even to allow the commercial presentations by Protea Technology and African Colour Systems their full hour of product information, with which they held the audience's attention well indeed.

The AGM proceedings were remarkable for their smoothness and amity, which augers well for this thriving infant Society of 12 months. Wisely, and with obvious appreciation of his international goodwill in these sanction imposing times, they selected Mr. Chalmers as Chairman for this forthcoming second year. To ensure good education and full attention in the classroom, Dr. Einhorn was elected Vice-Chairman. Dr. Hengstberger was elected Treasurer and Dr. Kok, Secretary.

Appointed as Committee Members were Dr. F.A. Barkhuysen, Mr. A.M. Clarke, Mr. W.J. Gosling, Dr. C.M. Levitt, Mr. P.A. Lategan.

And to make all the noises offstage, they elected John T. Grundy as Publications and Publicity Officer.

**U.S.A.**

A combination symposium and workshop concentrating on problems of teaching information about color effectively will be held in June 1988 under the auspices of the Inter-Society Color Council. The main purpose of this symposium will be to provide educators in the fields of art, graphics, design, and architecture with new and additional demonstration materials, ideas and resources. The number of participants will be restricted to allow close contact with instructors and to stimulate an interchange of views between attending educators.

The symposium, **The Teacher and Color Education**, will be held at the Fashion Institute of Technology at 227 W. 27 Street, New York City, 10001 on June 21-23, 1988. For additional information please contact Professor Evelyn Stephens at the above address or telephone (212) 760-7871.

**Yugoslavia**

The following workshops were held in Yugoslavia in the period 1984-1987.

1. Color and Colorimetry 1984/10/18-19
2. Eurocolor System 1985/11/25-26
3. ACS Color Measuring and Reciping Systems 1985/11.

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## AIC EXECUTIVE, 1986-1989

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