

DALTONIANA

NEWSLETTER

OF THE INTERNATIONAL RESEARCH GROUP ON COLOUR VISION DEFICIENCIES

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FOREWORD

I have to apologize because the Proceedings of the Avignon symposium did not appear till now. I had much difficulties with some manuscripts and with the publisher. He promised that the volume comes out in mid February, but we still wait in begin March...

I have also to apologize because this issue of Daltoniana is somewhat late and contains only announcements. I had to wait somewhat for the material from Bruce Drum, but you will see that his work is superb. Accordingly I hope that we will be in great number in Annapolis.

You will also find in this issue (1) the announcement of an AIC Symposium on Color Vision Models in Florence, a very closed event which seems to be reserved to very selected people (I personally asked but not succeeded to be admitted), (2) the booklet of the Symposium "Seeing Contour & Colour" in Manchester (Dr. Kulikowski heartily welcomes all IRGCVD members), (3) the announcement of a W.S. Stiles Lectureship Fund (by John Mollon).

Guy Verriest.

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 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-deg colour-matching functions, which were the basis for an international standard; and his monumental 'Color Science', jointly written with G. Wyszecki. He was an honorary member of the International Research Group and many will remember his address at the Strawberry Hill meeting.

Donations to date amount to about half the sum needed to establish the lectureship. 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.

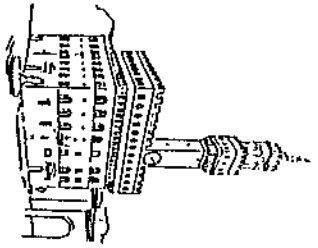
John Mollon



Provisional Program

AIC-Myszecki and Stiles
Memorial Symposium
on Color Vision Models

Florence, June 10 - 13, 1987
Sponsored by CIE-Division 1
Vision and Color



Wednesday, June 10, 6 p.m.

Opening of the AIC-Interim Symposium by the AIC-President,
Heinz Terstiege.
Welcome of the participants, accompanying persons and guests at
the Palazzo Vecchio in Florence by the Mayor of Florence

- Memoire M.S. Stiles by M. Alpern
- Memoire G. Myszecki by M. Budde

Cocktail Reception for participants and accompanying persons
Visit to the "Quartieri Monumentali"

Paper Sessions at the Istituto di Ottica, 6 Largo Fermi, Florence
(Director: Prof. F.T. Arcelli)

Thursday, June 11

Participants Accompanying Persons

9.00 - 9.10 Opening of the scientific Fashion day:
sessions - Peter Kaiser, Visit to the
Chairman CIE-TC 1-03 Galleria dei Costumi
9.10 - 9.55 State of the Art Color (Palazzo Pitti),
Vision Models - J.D. Mollon Visit to the
Haute Couture Pucci

10.00 - 10.45 Paper session I
10.45 - 11.00 coffee break
11.00 - 12.30 paper session II
12.30 - 13.30 lunch
13.30 - 15.00 paper session III
15.00 - 15.30 coffee break
15.30 - 17.00 paper session IV

19.00 Merenda Toscana
to participants and accompanying persons
(Casa Rositani, 1, via Suor Maria Celeste)

Friday, June 12

Participants Accompanying persons

9.00 - 10.30 paper session V Visit to Florence,
10.30 - 11.00 coffee break including Corridoio
11.00 - 12.30 paper session VI Vasariano,
12.30 - 13.30 lunch Ponte Vecchio
13.30 - 15.00 paper session VII and Uffizi
15.00 - 15.30 coffee break
15.30 - 17.00 paper session VIII
19.00 Social Dinner

Saturday, June 13

Participants

9.00 - 10.30 paper session IX
10.30 - 11.00 coffee break
11.00 - 12.00 paper session X
12.00 State of the Art Color Vision Models -
Oscar Esteves
13.00 Lunch

Option:

Sunday, June 14

Full day excursion to Siena with Lunch (60 US\$)

Participants: 60 US\$

Option: 60 US\$ for lunches, Coffee, Dinner on Friday

Accompanying
persons: 60 US\$ (Tours and Dinner on Friday
included)



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

20 Bundesstraße für Umgehendring (BAM) - Unter dem Eichen 27 - D-1000 Berlin 45

To
 AIC Members, Observers
 and Executive Committee

Der Präsident:
 Prof. Dr. Heinz Testfage
 Tel. (030) 8104 5400
 Telex 183 261 bamb d

Jan. 28th, 1987

Enclosed you will find a provisional program of the AIC-Wyszecski and Stiles Memorial Symposium on Color Vision Models prior to the CIE Session in Venice.

The list of about 30 invited speakers for the paper sessions includes names as: Gouras, Shevell, Yaguchi, Hood, Boynton, Palraven, Runt, Akita, Buchsbaum, Cicerone, Finkes, Nayatani, Hollon, Trezona, Kaneko, McCann, Estevez, Vairsu, Stromeyer, Ikeda, Devalets, Nassof, Zrenner, Smith, Pokorny, Ronchi, Vienot etc.

Because of limited space in Florence we can allow only a total number of 60 active participants. Therefore the organizing committee reserves the right of admission for further special lists in the field of color vision.

Yours sincerely



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

20 Bundesstraße für Umgehendring (BAM) - Unter dem Eichen 27 - D-1000 Berlin 45

Dr. G. Verriest
 Afd. Sens. Fysiopathologie
 Oogheelkunde
 Akademisch Ziekenhuis
 De Pintelaan 135
 B-9000 Gent

Febr. 13th, 1987

Dear Dr. Verriest,

I will soon send the final program of the AIC-Wyszecski and Stiles Memorial Symposium and the registration form to member countries of AIC. Because of limited space it may be better not to inniciate too much promotion for the venue.

Therefore, if you want to mention it in the next Daltonia please indicate, that it is more or less a closed party for invited persons.

Kind regards

Der Präsident:
 Prof. Dr. Heinz Testfage
 Tel. (030) 8104 5400
 Telex 183 261 bamb d

Ninth IRGCVD Symposium
July 1-3, 1987, St. Johns College, Annapolis, Maryland, U.S.A.

Arrangements for the next Symposium are going well. We have received enough titles for a full three-day scientific program, and we are arranging a program of sightseeing and entertainment events that we believe will meet the high standards of previous meetings. Below, we give details about the meeting, registration and reservation forms for both participants and accompanying persons, and a preliminary schedule of the scientific program.

Scientific Program

To date, we have received 70 paper titles, which we have organized below into a preliminary program schedule. However, we have received only 43 200-word summaries. Summaries received are indicated by "S" in front of the listing in the program schedule. All authors who have not yet sent summaries should send them either to Dr. Verriest or Dr. Drum by **no later than April 1**. Summaries received after April 1 may not be included in the printed program to be distributed at the meeting.

We have scheduled all oral papers for 10 minute presentations and 5 minute discussion periods. At the end of the second day we also have scheduled a brief session for discussing the posters.

All authors are reminded to bring to the meeting finished manuscripts of their presentations for inclusion in the published Proceedings. Each contributed paper will be allotted 6 free Proceedings pages, and each invited paper will be allotted 12 free pages. Authors who exceed these limits may be charged for the extra pages.

We will have a limited area in which to exhibit books and commercial products related to color vision deficiencies. Publishers or companies who wish to display their products should contact Dr. Drum.

Registration Fees

The registration for participants in the scientific program will be \$140 (in U.S. dollars) before May 29 and \$160 after May 29. This fee is needed to pay for program booklets, proceedings, tickets for the Aquarium and crab feast (see below), rental of meeting facilities and snacks and beverages during the meeting. Registration at the meeting will be open in the auditorium lobby 7:00-10:00 PM on June 30 and 8:00-9:00 AM on July 1.

Room Reservations

We have contracted with St. Johns College for use of an air conditioned dormitory for attendees with limited budgets. The dormitory has 3 floors, with 5 single rooms, 2 double rooms and one restroom on each floor. There will be no maid service, except that if an attendee of the previous Color Appearance meeting leaves on June 30th, the room will be cleaned before an IRGCVD attendee moves in. However, this cleaning can be done for no more than 10 of the 21 rooms. To allow time for room cleaning, the earliest check-in time on June 30th will be 4:00 PM. The fee for the dormitory rooms is \$20/day for each person, with the entire fee payable in advance. A special reservation form is enclosed, to be sent with payment to Dr. Drum before May 29. The fees can be refunded only if cancellation requests are received by Dr. Drum by May 29.

We have also contracted with two hotels in Annapolis to provide special rates for IRGCVD attendees. The Thr-rift Inn has reserved a block of rooms at the rate of \$44/day for a single room and \$48/day for a double room, plus 11% room tax. A reservation form is enclosed, to be sent directly to the hotel before May 29. The Thr-rift Inn is located 4 miles from St. Johns College on Rt. 50 just outside of Annapolis. Bus service is available from the hotel to State Circle, near St. Johns, on a regular basis. For those with cars, a free shuttle runs from the stadium parking lot (2 miles from the hotel) to St. Johns. In addition, the Historic Inns of Annapolis, a set of 5 buildings all within easy walking distance of St. Johns, has reserved a block of rooms at the rate of \$70/day plus 11% tax for either a single or double room. Besides its convenient location, this hotel offers complimentary continental breakfast, Washington Post newspaper, and Home Box Office cable television. A reservation form is enclosed, to be sent directly to the hotel before May 29.

For those who wish to stay at other Annapolis hotels, a list of names, addresses, phone numbers and approximate prices is provided below:

Annapolis Hilton Inn Compromise & St. Marys Sts. (301) 268-7555 Single: \$89-239 Double: \$109-239 (walk to St. Johns)	Annapolis Hotel 126 West St. (301) 263-7777 Single: \$95 Double: \$105 (walk to St. Johns)	Howard Johnson 1700 Revell Way (301) 757-1600 Single: \$55 Double: \$67
Annapolis Terrace Motel 71 Revell Hwy (301) 757-3030 Single: \$42 Double: \$52	Econo Lodge 591 Revell Hwy (301) 974-4440 Single: \$44 Double: \$52	Holiday Inn 210 Holiday Court (301) 224-3150 Single: \$51-53 Double: \$61
Ramada Inn 173 Jennifer Rd. (301) 266-3131 Single: \$79 Double: \$89		

Transportation

Annapolis is located 20 miles from the Baltimore-Washington International (BWI) Airport, 35 miles from Washington National Airport, and 55 miles from Dulles International Airport. At this time, we have not been able to arrange any charter flights or group discounts from Europe that would offer significant savings over the lowest individual fares. British and European travelers may wish to investigate the following possibilities for low fares. Air America currently has two flights/week between the London Gatwick airport and BWI at about \$570 for a round trip. Also, Virgin Atlantic has daily flights between Maastricht, the Netherlands, and Newark, New Jersey, with a stop at London Gatwick, at \$674 for a round trip. Travelers would then need to schedule short connecting flights between Newark and BWI. For transportation between the BWI Airport and Annapolis, a bus/limosine service makes hourly trips during the week and less often on weekends for a \$12 one-way fare. To orient people unfamiliar with the Annapolis area, maps of Annapolis and the St. Johns College are enclosed. The locations of the Thr-rift Inn and the Historic Inns of Annapolis are marked on the Annapolis map and the locations of the Chase-Stone Dormatory, cafeteria and meeting rooms are marked on the campus map.

Food

The St. Johns cafeteria will be open for breakfast and lunch at very reasonable rates. The St. Johns campus is also within easy walking distance of many restaurants in downtown Annapolis. Each morning before the opening session, coffee, juice and donuts will be available in the auditorium lobby beside the meeting room. There will be a half-hour coffee break in each morning session and a half-hour coffee & soft drink break in each afternoon session. Snacks and soft drinks will be available in the lobby during registration on the evening before the meeting. Dinner arrangements for the first two days of the meeting are described below with the social program. Attendees who stay for the evening of the third day can take advantage of the wide selection of nearby downtown restaurants.

Social Program

Annapolis is the Capitol of Maryland, and St. Johns College is only one block from the State House and the Governor's residence. Although we are not yet sure if his schedule will allow it, we are trying to organize an official welcome by the Maryland Governor, William Donald Schaefer, either at the crab feast (see below) or at the opening reception on June 30.

On the first evening of the meeting, an outdoor Maryland crab feast, barbecue and buffet will be held on the St. Johns campus in front of the auditorium. In preparation, the afternoon session will end with an illustrated lecture on how to eat steamed crabs.

On the second evening, everyone will be bused to the Baltimore Inner Harbor for a fancy reception in the famous Baltimore Aquarium. We have rented the entire aquarium for the event, and people will be free to tour the aquarium at their leisure while they help themselves to an extensive buffet and open bar. As the evening progresses, many people will want to explore the rest of the Inner Harbor, with its many shops and restaurants.

For meeting registrants, tickets for the crab feast and Aquarium reception are both included in the registration fee. Accompanying persons can purchase tickets to these events by completing the enclosed form and sending it with payment to Dr. Drum before May 29.

For accompanying persons, a full daytime schedule of sightseeing events is planned. The itinerary will include:

- A walking tour of historic Annapolis, led by guides in colonial dress.
- A bus trip to the Washington, D.C. Mall, with its Lincoln Memorial, Washington Monument, Smithsonian Institution and Capitol Building.
- A "day on the bay cruise" on the Chesapeake Bay, including a visit to St. Michael's, a pre-revolutionary war town on the Eastern Shore.

To purchase tickets for these events, please complete the enclosed social program registration form and send it with payment to Dr. Drum by May 29.

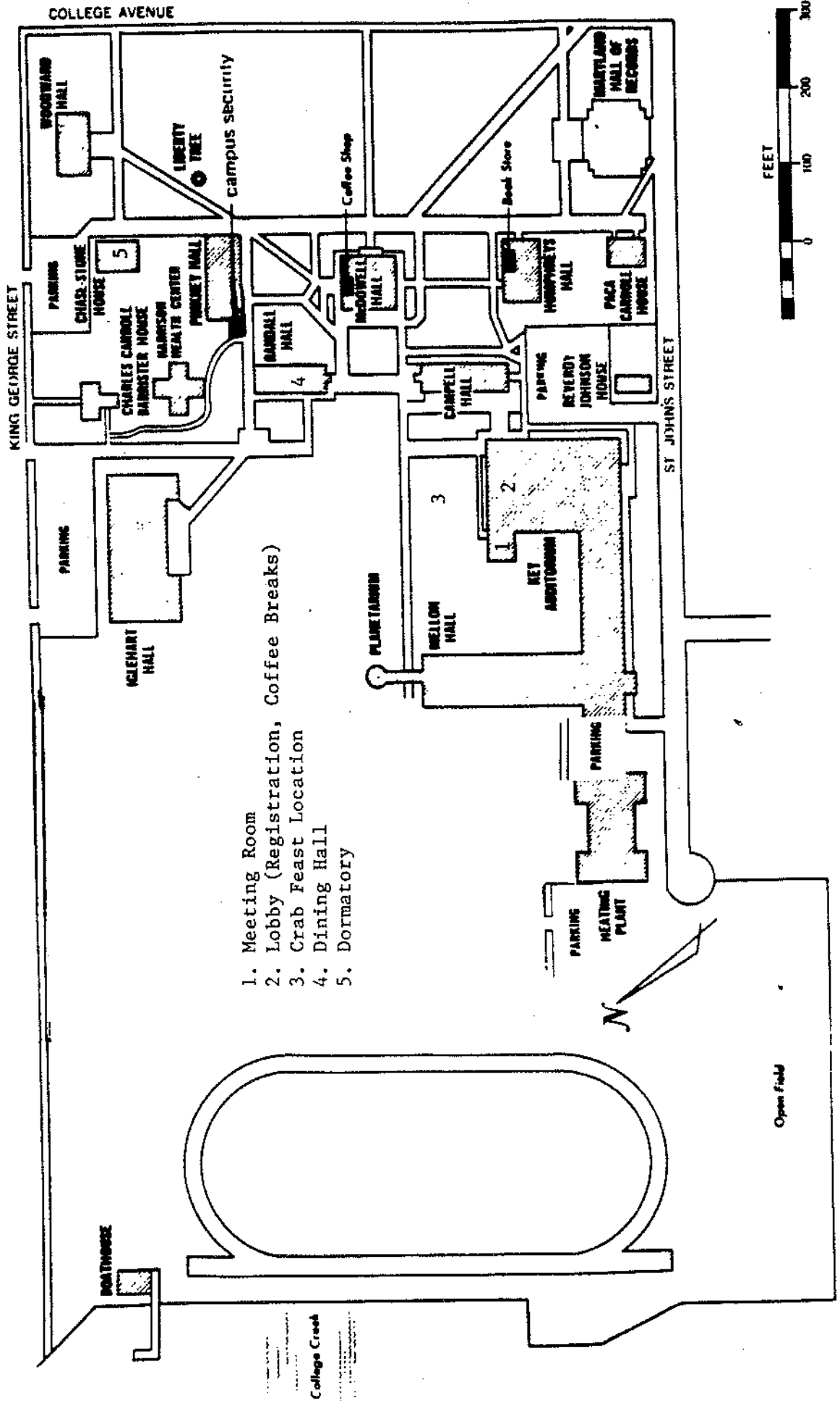
Optical Society of America Topical Meeting on Color Appearance.

We wish to remind everyone of the OSA Color Appearance meeting at St. Johns on June 29-30. Please contact Dr. Drum for more information.

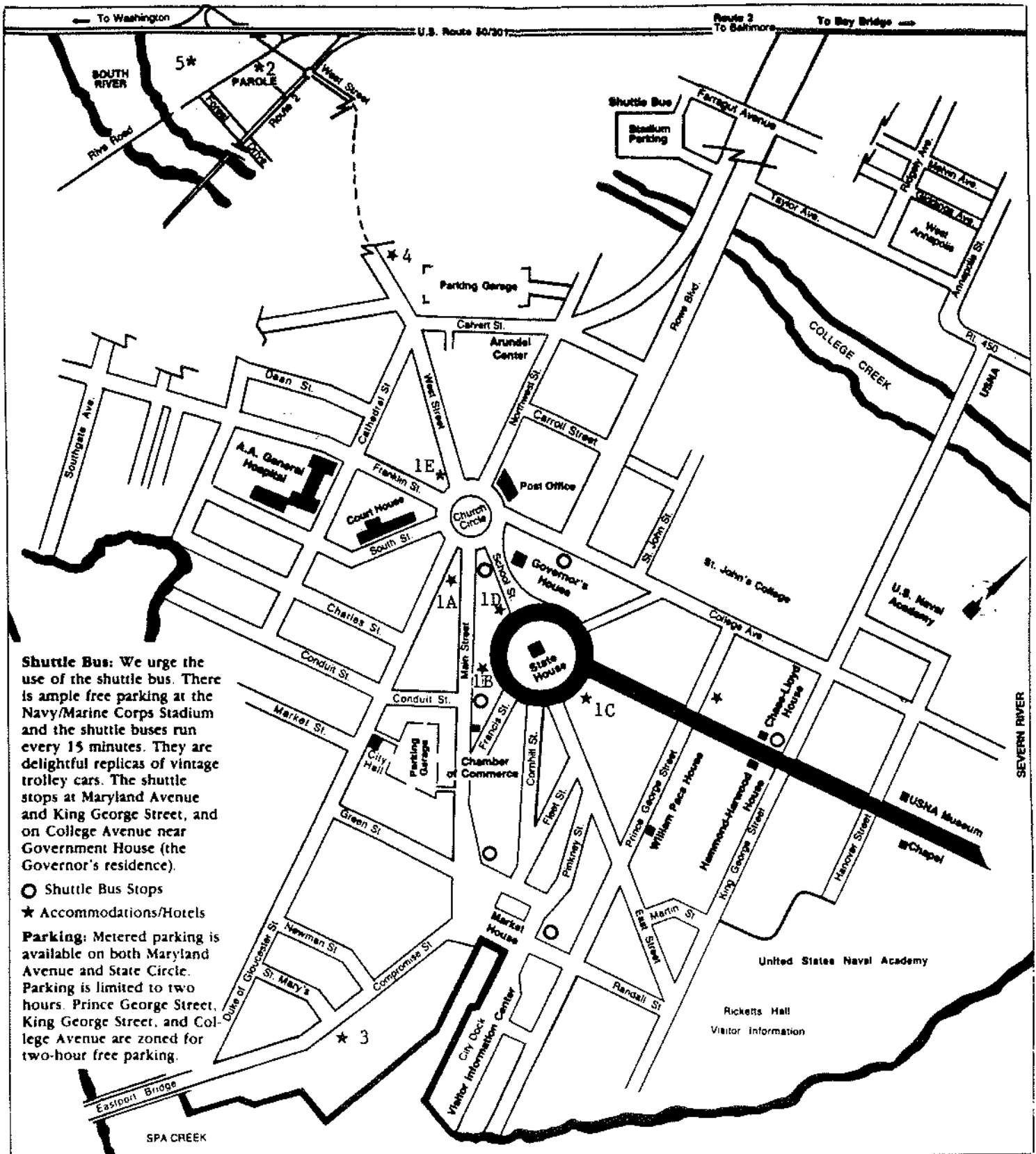
From the program Committee: Bruce Drum, General Chair
Joel Pokorny, Program Chair
Vivianne Smith
Guy Verriest

ST. JOHN'S COLLEGE

Annapolis, Maryland



1. Meeting Room
2. Lobby (Registration, Coffee Breaks)
3. Crab Feast Location
4. Dining Hall
5. Dormitory



- | | |
|-------------------------------|---------------------|
| 1. Historic Inns of Annapolis | 2. Thr-rift Inn |
| A. Maryland Inn | 3. Annapolis Hilton |
| B. State House Inn | 4. Annapolis Hotel |
| C. Governor Calvert House | 5. Holiday Inn |
| D. Robert Johnson House | |
| E. Reynolds Tavern | |

Preliminary Program Schedule for Annapolis IRGCVD Meeting

June 30

7:00-10:00 PM **Registration and Reception**

July 1

8:00 AM **Registration; Coffee, Juice and Donuts**

8:45 AM **Welcome and Announcements**

SESSION 1A: Polymorphisms of Normal Color Vision and Inherited Color Defects.

9:00 AM **T. Piantanida** (Invited Paper): Menlo Park, CA, USA.
Molecular genetics of human color vision.

S 9:30 AM **J. Weitz and G.H. Jacobs**: Santa Barbara, CA, USA.
Polymorphisms of cone pigments in color normals: evidence from color matching.

S 9:45 AM **A. Nagy**: Dayton, OH, USA.
Color discrimination and post-receptoral processes in congenital color deficient.

10:00 AM **A.E. Elsner, J. Waldvogel and S.A. Burns**: Pittsburgh, PA, USA.
High illuminance color matching in anomalous trichromacy.

S 10:15 AM **H. Lutze, V.C. Smith, and J. Pokorny**: Chicago, IL, USA.
Critical flicker frequency in X-chromosome linked dichromats.

10:30 AM **BREAK**

SESSION 1B:

11:00 AM **P. Gouras**: New York, NY, USA.
Electroretinograms of a blue cone monochromat.

11:15 AM **J. Nathans, R. Klingaman and G.A. Fishman**: Memphis, TN, USA.
Genetics and psychophysical measures in a blue cone monochromat.

11:30 AM **R. Klingaman**: Memphis, TN, USA
VER in blue cone monochromacy.

S 11:45 AM **G. Verriest, S. De Bie and J. Wilmet**: Ghent, Belgium.
Minor color vision defects: relation to purest colors and sib-sib correlations.

S 12:00 PM **J. Birch**: London, England.
Congenital protan and deutan defects in women.

S 12:15 PM **S.R. Cobb**: Glasgow, Scotland.
On a possible explanation of the unusually high rate of color vision defect in some west of Scotland primary schools.

12:30 PM **LUNCH**

SESSION 2: Theoretical Studies of Color Vision

S 2:30 PM **G.A. Fry**: Columbus, OH, USA.
A König model for color vision.

S 2:45 PM **H. Scheibner and R. Bruckwilder**: Düsseldorf, West Germany.
Protanopic opponent color vision.

3:00 PM **BREAK**

SESSION 3: Cortical Mechanisms of Normal and Abnormal Color Vision

- 3:30 PM **J. Krauskopf** (Invited paper): New York, NY, USA.
Cortical mechanisms of color vision.
- 4:00 PM **P. E. King-Smith** (Invited paper): Columbus, OH, USA.
Cortical color deficiencies.
- S 4:30 PM **J. J. Kulikowski, I. J. Murray and N. R. A. Parry**: Manchester, England.
Electrophysiological correlates of chromatic opponent and achromatic stimulation in man.
- S 4:45 PM **W. Paulus and H. Plendl**: Munich, West Germany.
Interaction between color and pattern evoked potentials.
- S 5:00 PM **K. A. Manning and K. Knoblauch**: Stony Brook, NY, USA.
VECP and psychophysical evidence of opponent processing in a deuteranope.
- 5:15 PM **How to Eat Crabs: a Demonstration.**
- 6:30 PM **Outdoor Crab Feast and Barbecue**

July 2

8:00 AM **Coffee, Juice and Donuts**

SESSION 4A: Acquired Color Vision Deficiencies in Retinal and Optic Nerve Disease.

- 8:30 AM **S. A. Burns** (Invited Paper): Pittsburgh, PA, USA.
Localizing color vision deficiencies in eye disease.
- S 9:00 AM **M. Harré, E. Harré and H.-J. Zenker**: Dresden, East Germany.
Development of color vision deficiency in families with dominant progressive cone dystrophy.
- 9:15 AM **F. Zisman and M. G. Harris**: Berkeley, CA, USA.
Filter enhanced visual acuity in a case of central rod-cone dystrophy.
- S 9:30 AM **G. Bresnick, V. Smith and J. Pokorny**: Madison, WI, USA.
Familial macular dystrophy with selective short-wave cone involvement.
- 9:45 AM **M. J. Jaffe and F. M. de Monasterio**: Bethesda, MD, USA.
Is there a color vision loss in Kallman syndrome?
- 10:00 AM **BREAK**

SESSION 4B:

- 10:30 AM **F. M. de Monasterio and R. B. Mussenblatt**: Bethesda, MD, USA.
Color vision and ERG alterations in early posterior uveitis.
- S 10:45 AM **A. J. Vingrys, P. E. King-Smith and S. C. Benes**: Columbus, OH, USA.
Equiluminous color deficits are greater than achromatic losses in a case of toxoplasmosis.
- S 11:00 AM **A. Serra, M. Fossarello, G. De Martini, M. D'Atri, I. Zucca and M. G. Mulas**: Cagliari, Italy.
Color discrimination and long-term modifications in central serous choroidopathy.
- 11:15 AM **V. Greenstein, D. Hood and R. Carr**: New York, NY, USA.
A comparison of S cone pathway sensitivity loss in patients with diabetes and retinitis pigmentosa.
- S 11:30 AM **K. E. Higgins, M. S. Roy, et al.**: Bethesda, MD, USA.
Saturation discrimination and the degree of diabetic retinopathy.

11:45 AM BUSINESS MEETING

12:15 PM LUNCH

SESSION 4C: Acquired Color Defects in Optic Nerve Disorders.

- S 2:00 PM **B.Drum, M.F.Armaly and W.E.Huppert:** Baltimore, MD, USA.
Chromatic and achromatic sensitivity in glaucoma.
- 2:15 PM **F.Suos and G.Verriest:** Brussels, Belgium.
Increment threshold and spatial summation in glaucoma.
- 2:30 PM **R.Lakowski, J.G.Airaksinen, S.H.Drance and Y.Yamazaki:**
Vancouver, Canada.
Chromatic functional loss and its relation to the morphology of
the glaucomatous retina.
- S 2:45 PM **P.E.King-Smith, A.J.Vingrys, S.C.Benes and W.H.Havener:**
Columbus, OH, USA.
Differences between perimetric thresholds for white and equi-
luminous red, blue and yellow in a nerve fiber bundle defect.
- 3:00 PM **S.Alvarez and P.E.King-Smith:** Birmingham, AL, USA.
Mysterious sparing of blue sensitivity on yellow backgrounds in
dominant optic atrophy.
- 3:15 PM **BREAK**

SESSION 4D:

- S 3:45 PM **A.Roth, M.Pelizzone and D.Hermes:** Geneva, Switzerland.
The two-equation method: results in normal color vision.
- S 4:00 PM **D.Hermes and A.Roth:** Geneva, Switzerland.
The two equation method: results in retinal and optic nerve
disorders.
- S 4:15 PM **H.Fossarello, C.H.Dessy, I.Zuocci, L.Orrà, S.Uocheddu and
A.Serra:** Cagliari, Italy.
Color vision in long-term aphakia.
- S 4:30 PM **H.G.Sperling and S.L.Nills:** Houston, TX, USA.
ERG analysis of spectral sensitivity in normal and blue-blind
rhesus eyes.
- S 4:45 PM **A.Serra, I.Zucca, C.M.Dessy, A.Falchi, P.C.Lai and
A.Mula:** Cagliari, Italy.
Acquired color vision deficiencies and electronics.
- 5:00 PM **Discussion of Posters**
- 6:15 PM **Buses leave for Aquarium**

July 3

8:00 AM **Coffee, Juice and Donuts**

**SESSION 5A: Farnsworth-Munsell 100-Hue Test and other
Clinical Color Vision Tests**

- 8:30 AM **R.Lakowski (Invited paper):** Vancouver, Canada.
Uses and abuses of the FM 100-Hue Test in studies of acquired
color vision defects.
- S 9:00 AM **J.D.Moreland:** Bradford, U.K.
Analysis of monopolar and bipolar components of errors in the
Farnsworth-Munsell 100-Hue test.

- S 9:15 AM **T. Steinschneider**: Jerusalem, Israel.
Method for estimation of results obtained in two Farnsworth's tests.
- S 9:30 AM **K. Knoblauch, E. Saunders, M. Kusuda, R. Hynes, K.E. Higgins and F.M. de Monasterio**: New York, NY, USA.
Quantitative comparison of Farnsworth and Kinnear plots of the Farnsworth-Munsell 100-Hue test.
- S 9:45 AM **B.C. Reeves, A.R. Hill and P.A. Aspinall**: Oxford, England.
Assessing the significance of change in Farnsworth-Munsell 100-Hue error score.

10:00 AM **BREAK**

SESSION 5B:

- S 10:30 AM **S.J. Dain and V.J. Honson**: New South Wales, Australia.
Selection of an optimal light source for the FM 100-Hue test.
- S 10:45 AM **J. Birch**: London, England.
Farnsworth tests in the study of acquired color vision defects in diabetic retinopathy.
- 11:00 AM **R. Lakowski and M. Yamazaki**: Vancouver, Canada.
Objective data for the SPP test, Part 2 (for acquired color vision defects).
- S 11:15 AM **W. Jaeger and H. Krastel**: Heidelberg, West Germany
Detection of tritan defects by recording the spatial resolution of the blue system: a modified application of Lanthony's tritan album.
- S 11:30 AM **M. Mäntyjärvi**: Kuopio, Finland.
Observations on the use of Lanthony tritan album.
- S 11:45 AM **J. Leid and V. Leid**: Pau, France.
Clinical study of the Lanthony's tritan album: initial results.

12:00 PM **LUNCH**

SESSION 6A: New Instruments and Techniques for Testing Color Vision

- S 2:00 PM **K. Hamano, S. Noyori and Y. Ohta**: Tokyo, Japan.
Experimental small anomaloscope utilizing light-emitting diodes.
- S 2:15 PM **H. Krastel and H. Gehrung**: Heidelberg, West Germany
First results obtained by means of the new LED Anomaloscope.
- S 2:30 PM **J. Pokorny, V.C. Smith and M. Lutze**: Chicago, IL, USA.
A computer controlled briefcase anomaloscope.
- 2:45 PM **R.W. Massof and M. Severns**: Baltimore, MD, USA.
A new screening test for congenital color vision deficiencies.
- 3:00 PM **M.E. Breton, P.J. Ryan and R.J. Fonash**: Philadelphia, PA, USA.
A CRT-based test of saturation discrimination designed for rapid evaluation of acquired color vision defects.
- S 3:15 PM **R.D. Gunkel, R.C. Caruso and M.S. Roy**: Bethesda, MD, USA.
Saturation and luminosity in color vision testing.

3:30 PM **BREAK**

SESSION 6B:

- 4:00 PM **W.M. Hart, Jr.**: St. Louis, MO, USA.
Color contrast testing of the extrafoveal macula.
- S 4:15 PM **S.J. Dain and P.E. King-Smith**: New South Wales, Australia.
Thresholds for iso-luminous colors across the visual field.

- S 4:30 PM **M.Harré, M.Lange, H.-J.Buchmann, R.Roitzsch and R.Sander:** Dresden, East Germany.
Color vision screening in 4383 kindergarten children.
- S 4:45 PM **J.M.Steward and B.L.Cole:** Melbourne, Australia.
The effect of object size on the performance of color ordering and discrimination tasks.
- S 5:00 PM **T.Motohashi, A.Hanabusa and Y.Ohta:** Tokyo, Japan.
Comparative study between test results of 8° large field anomaloscope and large size panel D-15 test on dichromats.
- 5:15 PM **H.Zwrick, Belkin and Garcia:** San Francisco, CA, USA.
Effect of broad-band filters on spectral dark adaptation functions.
- 5:30 PM **ADJOURN**

Poster Session, July 1-2

1. **M.de Mattiello and A.Gonella:** Buenos Aires, Argentina.
The function of chromatic lightness and its application in ocular pathology.
2. **M.de Mattiello and A.Gonella:** Buenos Aires, Argentina.
Change in the inhibiting effects of ocular pathology.
3. **H.Zwrick and Bloom:** San Francisco, CA, USA.
Acute and long term change following punctate foveal retinal damage.
- S 4. **J.M.Steward:** Melbourne, Australia.
Incidence of congenital red-green color vision defects in an Australian optometric population.
5. **J.F.Kozak and R.Lakowski:** Vancouver, Canada.
Modification of the Field-Master automatic perimeter for chromatic retinal threshold testing.
- S 6. **M.Pelizzone, A.Roth and D.Hermes:** Geneva, Switzerland.
First trials on an automated clinical examination of color vision.
7. **F.Zisman, K.R.Seger and A.J.Adams:** Berkeley, CA, USA.
Evaluation of the Fletcher-Hamblin simple color vision test.
- S 8. **R.L.Klingaman and M.Baier:** Memphis, TN
Color opponency and the FM-100 test in macular degeneration.
9. **A.R.Hill, D.C.Reeves and A.Burgess:** Oxford, England.
Huematic, an automated scorer for the FM 100 Hue test.

Participants Registration Form

Ninth IRGCVD Symposium
July 1-3, 1987, St. Johns College, Annapolis, Maryland, U.S.A.

Last Name _____ First Name _____ Telephone _____

Address _____ City _____

State _____ Zip Code _____ Country _____

Meeting registration: before May 29.....\$140
after May 29.....\$160 \$ _____

Room reservation for St. Johns Dormitory:

Single Room.....\$20/day Double Room.....\$40/day

Circle type of room and indicate dates of stay:

Optical Society single double

arrival date: _____ departure date: _____

IRGCVD single double

arrival date: _____ departure date: _____

Number of days _____ times price/day _____ = Total \$ _____

NOTE: If you already have reserved a dormitory room through the Optical Society of America for any of the days between June 28 and July 3, please check the Optical Society box and fill in the room type and date information, but do not include the room fee for those days on this form. Since the number of dormitory rooms is limited, please indicate your second choice of hotels below. If we cannot put you in a dormitory room, we will use your payment as a deposit to secure a room for you in your second-choice hotel.

Second choice hotel: Thr-rift Inn Historic Inns

Please pay all fees in American Dollars. Make checks payable to IRGCVD, and send them to: Bruce Drum, Ph.D., Ninth IRGCVD Symposium, Wilmer B-27, Johns Hopkins Hospital, 601 North Broadway, Baltimore, MD 21205, U.S.A.

Social Program Reservations for Accompanying Persons

Ninth IRGCVD Symposium
July 1-3, 1987, St. Johns College, Annapolis, Maryland, U.S.A.

Last Name _____ First Name _____ Telephone _____
Address _____ City _____
State _____ Zip Code _____ Country _____

Crab Feast, Barbecue and Buffet:

Number of persons _____ X \$15.00 = \$ _____

Reception in Baltimore Aquarium:

Number of persons _____ X \$35.00 = \$ _____

Bus Tour to Washington, D.C. Mall (minimum of 20 persons):

Number of persons _____ X \$25.00 = \$ _____

Historic Annapolis Walking Tour:

Number of persons _____ X \$ 5.00 = \$ _____

All Day Chesapeake Bay Cruise (minimum of 20 persons):

Number of persons _____ X \$25.00 = \$ _____

Total = \$ _____

NOTE: For all of the above events:
fee for children aged 6-12 = 1/2 adult
fee for children under age 6 = free

Please pay all fees in American Dollars. Make checks payable to
IRGCVD, and send them to: Bruce Drum, Ph.D., Ninth IRGCVD
Symposium, Wilmer B-27, Johns Hopkins Hospital, 601 North
Broadway, Baltimore, MD 21205, U.S.A.

Advance Reservation Form for Thr-rift Inn
OSA Topical Meeting on Color Appearance, June 29-30, 1987, and
Ninth IRGCVD Symposium, July 1-3, 1987

Name _____ Telephone _____

Address _____

City _____ State _____ Zip Code _____ Country _____

Number of rooms requested: _____ Singles(\$44/day) _____ Doubles(\$48/day)

Arrival Date: _____ Arrival time: _____ AM PM

Length of Stay: _____ days Deposit enclosed: \$ _____

Send to: Thr-rift Inn, 2542 Riva Road, Annapolis, Maryland 21401, U.S.A.
This reservation request must be accompanied by a deposit of one day's rent
for each room reserved. A written confirmation will be sent to you. All
requests must be received by the hotel by May 29, 1987. For further
information, call the reservation desk at (301) 224-2800.

Advance Reservation Form for Historic Inns of Annapolis
OSA Topical Meeting on Color Appearance, June 29-30, 1987, and
Ninth IRGCVD Symposium, July 1-3, 1987

Name _____ Telephone _____

Address _____

City _____ State _____ Zip Code _____ Country _____

Number of rooms requested (daily rate, \$70): _____ Singles _____ Doubles

Arrival Date: _____ Arrival time: _____ AM PM

Length of Stay: _____ nights Deposit enclosed: \$ _____

Send to: Historic Inns of Annapolis, 16 Church Circle, Annapolis, Maryland
21401, U.S.A. This reservation request must be accompanied by a deposit of
one day's rent for each room reserved. A written confirmation will be sent
to you. All requests must be received by the hotel by May 29, 1987. For
further information, call the reservation desk at (301) 263-2641.

