

Inter-Society Color Council *News*

ERRATUM

THE CORRECT DATES FOR THE 1979 ANNUAL MEETING OF THE ISCC ARE APRIL 23 AND 24. THE DATES GIVEN IN THE MAY-JUNE (NO. 254) AND JULY-AUGUST (NO. 255) 1978 ISSUES OF THE NEWSLETTER ARE INCORRECT.

HIGHLIGHTS FROM THE BOARD OF DIRECTORS MEETING, OCTOBER 1978

The Board of Directors met on October 22 in Columbus, Ohio for their regular quarterly meeting.

Approval was given to 35 new applicants for IMG membership. It was announced at the Board meeting that the voting delegates had approved an amendment to the bylaws which introduces a new category of membership, i.e., student membership. Four of the new members were accepted under this new category. Minor changes were also introduced in the Standing Rules pertaining to Article I, Section 2(e). The change simply means that the present subcommittees name will be changed to: "ISCC Committees on 'Stated' Project."

The Board was informed of the numerous actions taken by the Executive Committee since the last Board meeting. These included presentation of Certificates of Appreciation for past service, appointment of C. J. Bartleson as chairman of the Macbeth Award Committee, the title of the 1980 Williamsburg Conference to be called Helson Memorial Symposium on Chromatic Adaptation and some financial matters. It was also decided that further action would be taken by the Board concerning the apparent cutback of funding for spectrophotometry programs at the NBS.

The programs for Williamsburg Symposia and the 1979 and 1980 annual meetings were discussed in detail. The 1979 Annual Symposium title is "Color in Motion Pictures and Television" and the 1980 Annual Symposium title is "Color from Concept to Finished Product through Graphic Arts." There is a possibility of an excellent talk being scheduled to follow the business meeting on Tuesday afternoon. It was pointed out that more publicity is needed for the 1979 Williamsburg Conference called "Judd Memorial Conference on Color Metrics" i.e. color difference formulations. Mr. Rolf Kuehni, the program chairman, has prepared an excellent program which includes both the physical and physiological aspects of color space with many well known experts in the field participating.

Preparations for the 1979 Annual Meeting are well underway. Besides usual committee meetings, there will be a special program on Monday evening with Mrs. Schwartz, a consultant from Bell Telephone Labs, speaking on "The Artist and the Computer"—(computer generated color motion pictures). Cal McCamy is the general chairman of the 1979 meeting. The Board Meeting was concluded with a kind plea to get involved as deeply as possible with all affairs of the Council.

Franc Grum

NUMBER 256 SEPTEMBER-OCTOBER 1978

BIRREN, J. G. DAVIDSON, SWENHOLT NOMINATED AS DIRECTORS

The ISCC Nominating Committee, Charles W. Jerome, Chairman, reported to the Board of Directors on October 21, 1978, its recommendation that the nominees for Director for the 1979-1982 term be Faber Birren, IMG; James G. Davidson, IMG, MCCA/C, OSA; and Bonnie K. Swenholt, IMG/C. The report of the Nominating Committee was accepted with thanks by the Board.

According to the By-Laws, Article III, Section 3, additional nominations may be made at the request of five voting delegates provided that they are forwarded to the Secretary within 20 days of the delivery of this *Newsletter*.

Attention is also called to the Amendment, published January 1, 1978, of Article I, Section V, Subdivision (b) of the By-Laws, which states that individual members shall be entitled to all the rights and privileges of the accredited delegates appointed by Member-Bodies. The right of election to office is included. This is the first time that individual members have been nominated for the position of Officer or Director of the Council under the amendment.

Faber Birren was born and educated in Chicago. His father, a successful painter, was founder and first president of the Alumni Association of the school of the Art Institute of Chicago. Mr. Birren attended the Institute School from about ages 12 to 20, then studied at the University of Chicago, where his interest in color had its beginning.

At age 30 he became a full-fledged color consultant and moved to New York. He has since become a well-known and widely read color authority of our time. He has written several hundred articles for general, professional, and scientific publications, and he has written over a score of books. He has prepared color specifications for top American companies and for various departments of the United States government.

Until now Mr. Birren, long a member of the Council, has been content to maintain IMG status while taking a lively interest in ISCC affairs.

Dr. James G. Davidson received his Ph.D. in color science at Rensselaer Polytechnic Institute in 1970, where his thesis research was concerned with the characterization of metallized paint films. He joined the Macbeth Division of Kollmorgen Corporation on graduation and is now manager of that firm's Munsell Color and Macbeth Daylighting operations. He has been active in the Manufacturers Council on Color and Appearance and is now Chairman of its Delegation, as well as being a Delegate from the Optical Society of America. He is also the Chairman of the Council's Arrangements Committee, a new Standing Committee appointed by President Grum to assist in arrangements for annual meetings, symposia, and other events.

Ms. Bonnie K. Swenholt received a M.Sc. degree in physics from Northwestern University, then joined the Eastman Kodak Company. After working in the Visual Research Studio under Ralph M. Evans until his retirement, she became leader of a photophysics group in the Physics Laboratories of the Photographic Technology Division, with major emphasis on investigations of the relationships between physical measurements and pictorial photographic reproduction quality evaluation.

Ms. Swenholt is chairman of the ISCC Committee on Color Aptitude Tests, and is Chairman of the Individual Member voting Delegation.

VIGNETTES FROM THE PRESIDENT'S DESK

It was indeed a pleasure to receive the July-August 1978 *Newsletter*. It is full of information on the various activities pertaining to color here and abroad. It is also very refreshing to see in the *Newsletter* so much news on the activities of individual ISCC Member Bodies. The ISCC *Newsletter* is the FORUM where the news from Member Bodies should appear since the *Newsletter* does reach a large population of those interested in the arts, science and design of color. I would, therefore, encourage the chairmen of all Member Bodies to continue to supply the information on the activities from their organization to the ISCC *Newsletter* on a regular basis. At the same time, I also would like to invite the IMG members to write to the *Newsletter* about their views, problems, or news on color activities.

The larger the participation in the publication activities, the more valuable will this communication medium be to the color enthusiasts at large.

COLOR 77

Copies of the proceedings are still available. Inquiries should be directed to the Treasurer, Mr. S. Leonard Davidson, whose address appears on the back page of the *Newsletter*.

NEWS OF MEMBERS

Waldron Faulkner

An article on Mr. Faulkner appeared in *Washington Post* on October 7, 1978. I learned quite a bit from it, and I thought that I would pass along some of this information to our members.

Mr. Faulkner moved from New York to Washington, D.C. in 1926, and one of his first jobs here was the restoration of the Blair-Lee House, where foreign guests of presidents stay. As the years went by, almost 50 of them, he designed buildings for private schools, the American Association for the Advancement of Science, the American Chemical Society, the Brookings Institution, several big hospitals, and a number of private homes. As his last work before retirement, he planned the conversion of the Old Patent Office into two museums, the National Collection of Fine Arts and the National Portrait Gallery. He won several architecture awards for his restoration, and it has received high praise from the current director of the National Portrait Gallery.

The article in the *Post*, written by Wolf Von Eckart, also informs us that Mr. Faulkner was the son of a Connecticut Yankee painter who was associated both stylistically and socially with John Singer Sargent and Frank Millet. The article points out that Mr. Faulkner was born in Paris, and I should

like to use this as an excuse to relate part of a conversation that I had with Mr. Faulkner several years ago. He told me that he had spent much of his boyhood in Paris and that he could see the Eiffel Tower from the windows of his parents' apartment. When he asked his parents about the origin of this tower, they replied, "Oh, Mr. Eiffel built that." Throughout his youth, Mr. Faulkner had a vivid image of Mr. Eiffel, dressed in coveralls and carrying wrenches, building the Eiffel Tower.

Thanks to Ms. Dorothy Nickerson and Dr. Fred W. Billmeyer, Jr. for sending copies of article by Wolf Von Eckart to me.

Ed.

IN MEMORIAM

Emil August Wich

Mr. Wich was a delegate to the ISCC from the Dry Color Manufacturers Association for many years, and resigned when he retired in 1976. He graduated from Brooklyn Polytechnic Institute in 1935. He worked for Collway Colors (1935-1939), GAF Corp. (1939-1965), and Sandoz Colors and Chemicals (1965-1976), where he held the position of technical manager when he retired. In addition to the ISCC, he had been a member of the American Association of Textile Chemists and Colorists, the American Chemical Society, the Society of Plastics Engineers, the New York Pigment Club, and the Dry Color Manufacturers Association. He died on August 5 at his home in New Providence, New Jersey at the age of 67.

DR. ROLAND E. DERBY, JR. 1925-1977

Roland Derby was a unique individual. He was among other things a brilliant scientist, a highly-qualified airplane pilot, and a dedicated outdoorsman. He was a man for all seasons. He found time to be a gardener in the spring, a golfer and a fisherman in the summer, and a hunter in the fall and winter. He was a great reader and an interested sports spectator at all times. Roland had many unusual talents. It is typical of his modesty that he was particularly proud of his ability to bake bread and prepare popovers.

I first met Roland Derby at a professional meeting in the late 1940's. We found that we were working in the same field—the application of spectrophotometry to the solution of dyeing problems in the textile industry. He visited me at our laboratory in Amsterdam, N.Y. and I went to Lawrence, Massachusetts to see his equipment and to discuss his work in color. This was the beginning of a friendship which lasted until his untimely death.

Roland's interest in color was an important part of his life and his intense interest in the Inter-Society Color Council has been demonstrated over a period of many years. He was particularly fond of getting together with members of the ISCC for informal talks after board meetings and at seminars and the annual meetings. We all remember with what animation he expounded his views on color to the group.

Roland's professional achievements are so well known that there is no need for me to mention them. Instead, I would like to share with you some personal memories of my association with Roland. Although color was the basis of our friendship, we soon branched out to other mutual interests. We always found time, however, to discuss some aspect of color or dyeing

even while fishing from a canoe in Labrador, while playing golf, during plane trips, and even between the halves of a football game in Yankee Stadium. I even remember once, while steaming lobsters in an autoclave in the mill laboratory, we became so involved looking at spectrophotometric curves that we overcooked the lobsters.

Roland quickly became a friend of the family. In the summer, he would often fly over our beach cottage on the Cape and, if the car was in the driveway, would land at a nearby airport and pay us a visit. How we would enjoy his stories about flying small planes. He was a frequent guest at our home in Amsterdam, New York. My wife and daughter enjoyed his wit and stimulating conversation and shared his interest in the English language and the educative process.

Roland was a talented teacher at Lowell Technological Institute and later enjoyed being a guest speaker at seminars on color. He gave several distinguished papers on color, and he was one of the U. S. representatives at many international meetings on color.

Roland was generous and loyal to his friends and a stimulating companion. He touched our lives in ways that we all shall remember. He was a good friend and I shall miss him.

Jack Hanlon

I don't remember when I met Roland. It was at an Inter-Society Color Council meeting probably at the Statler Hilton in New York in the Secretary's suite. From that time on, Roland was my friend and working companion in the Inter-Society Color Council. I remember when he was Chairman of the Problems Committee and his report was due the next day at the Annual Meeting. I know he worried about it, but I don't know when he put it together. But he always came up with an excellent report. It was factual, entertaining and challenging.

I remember the first Williamsburg conference. It was my first conference with all the people I had read about. I was impressed. But it was Roland who made the conference for me with his rather crisp comments that were both pertinent and amusing.

We were all together at Color '73 at York University in England. It was Roland with his comments at informal meetings with the participants from all over the world that helped to put so many matters in the proper focus.

In 1974, I started as the Treasurer of the Council and Roland began his term as President. The Board of Director's meetings were long and full of discussions over the matters that are usually discussed by Boards of Directors. Through it all Roland was patient and made sure that everyone that had anything to say was heard. I think Roland enjoyed his term as President. I enjoyed working with him and for him.

When we were at York and the AIC was looking for a place to hold their next meeting, the Inter-Society Color Council offered to hold it at R.P.I. in July, 1977. They accepted and on July 10, 1978, the meeting was opened with all the arrangements made by the committee chaired by Roland. The meeting was successful from a technical and social point of view. It also broke even financially.

I have talked about Roland and a few of the activities he had with the Inter-Society Color Council.

The first part of this memoir was easy. The next part is difficult because it hurts to write about a friend that isn't here anymore. It doesn't happen very often, but to know him and work with him as an associate in society affairs resulted in a

friendship that I hated to lose. Wherever we were, be it New York City, Troy, Williamsburg, you always looked forward to seeing and talking and listening to him. This included some late meetings to listen to jazz, dinners at places that were new to me and just relaxing in the "Suite" at the meetings.

He had the rare ability to make everyone welcome and to bring people with different opinions together. They may have continued to disagree, but at least they knew what they were disagreeing about.

The Council has lost a member that comes along once in a while. This man gave of himself and made it a better organization because this was what he wanted to do and then he did it.

I am sorry he had to go. I will miss a colleague that helped me make it worthwhile to serve the Inter-Society Color Council. But more than that, I will miss him as a friend.

S. Leonard Davidson

NEWS OF MEMBER-BODIES

To The Delegates Of Member-Bodies

After receiving your new I.S.C.C. Membership booklet, I am sure you will all realize what an excellent job Dr. Fred Billmeyer, Jr. has done updating the everchanging information of the various Member-Bodies.

There have been many changes in delegation membership and I would like to offer my congratulations to the incoming Chairmen. I know we can work diligently together to continue to optimize our channels of communication. I am always here to help or discuss any problem you may encounter. To the retiring Chairmen, I would like to say thank you, and please let us continue to see you at the I.S.C.C. annual meetings.

The following is an update on the Member-Bodies Chairmen.

	<i>New Chairman</i>	<i>Replacing</i>
AAPL*	Angelo John Grado	—
AATCC	Therese R. Commerford	Roland E. Derby, Jr.
ACS	Lawrence Lerner	C. A. Garland
ACP	Stephen Bergen	Robert C. Sproull
AEA, Inc.	Linda L. Taylor	Joy T. Luke
GIA*	Vincent Manson	Robert Gaal
GTAF	Richard Warner	W. D. Schaeffer
HGCP*	Nadine Bertin	—
IES	W. A. Thorton	C. W. Jerome
MCA*	Kent H. McKnight	—
NAPIM	Gerald Nass	D. Kilpatrick
PF*	Roy H. White	—
SPE		
	(C&A Div.) W. J. Cunningham	Thomas G. Webber
TAPPI	S. J. Popson	Rolland A. Aubey
APS*	Richard A. Maley	—

*New Member-Bodies

Joyce S. Davenport

Federation of Societies for Coatings Technology

Publication of "Paint/Coatings Dictionary" Announced by Federation of Societies for Coatings Technology

The Federation of Societies for Coatings Technology is pleased to announce publication of the "Paint/Coatings Dictionary," a comprehensive 632-page volume that defines the technical

terms and jargon of the coatings industry and its interfacing technologies. The more than 5500 entries have been derived through consensus by the Federation's Definitions Committee over a 12-year period.

More than 4500 of the terms are defined and over 1000 additional entries are synonyms cross-referenced to the defined terms.

SI-approved units and spelling are used throughout.

The broad scope of terms included reveals the obvious usefulness of the dictionary to a wide audience, ranging from the layman, to artists and artisans, to technicians in all the coatings-related fields.

Included are the definitions for approximately 400 color terms, detailing color difference equations, optical phenomena, gloss, hiding, color instrumentation, etc.

Pigment terms have been classified by their Color Index numbers, and pigment synonyms have been extensively cross-referenced to a commonly accepted name.

A unique feature is the classification of all terms into one or more of 73 categories; these have been number coded and appear as superscripts at the end of each definition. The terms are listed in their appropriate categories in the thesaurus, which comprises the second section of the dictionary and serves as a check list for key words, research papers, literature searches, etc.

An extensive bibliography of more than 600 references of dictionaries, glossaries, encyclopedias, and journals of the coatings and allied industries forms the third section of the dictionary.

Several handy reference tables complement the text.

The 632-page dictionary (6 x 9 in.) is case-bound and sells for \$30 to Federation members, \$50 to non-members. Prepaid orders, add 5% to cover handling and postage; for orders requiring billing, postage plus a 50¢ handling charge will be added.

The dictionary is available from Federation of Societies for Coatings Technology, 1315 Walnut Street, Suite 832, Philadelphia, Pa. 19107.

Society of Plastics Engineers (SPE) Color and Appearance Division (CAD)

ANTEC '78 Summary

The second-largest crowd in SPE history gathered in Washington, D.C. for the 36th Annual Technical Conference held during the last week in April 1978. Over 3400 people flocked to the Washington Hilton for the four-day meeting that featured over 300 speakers, 48 technical sessions, and almost 60 exhibitors.

The CAD program, moderated by Tony Pentz from Rohm and Haas Company and Fletcher Fisackerly, Kerr McGee Chemical Co., was highlighted by papers from Japan, West Germany, and both coasts of the USA.

Richard Hunter, who was celebrating his fiftieth(!) year of contributions to the science of color, reviewed "Progress in Achieving Needed Reproducibility in Worldwide Appearance Measurements of Color." Mr. M. Tsunashima from Mitsubishi Metal Corp. presented an excellent paper on methods of evaluating cadmium pigments for plastics. C. S. McCamy, representing Kollmorgen's Macbeth Division allowed us to peek into the future by describing some recent developments in appearance measurement. Ray Millard presented the Avecor

paper, "Using a Computer to Comply with Health, Safety, and Environmental Regulations for Plastic Colorants Used in Packaging," and won the award for the paper with the longest title. Dr. Joachim Richter offered a fine discussion of improved azo pigments for plastics, despite some problems with a balky slide projector.

Following Frank Shea's paper on cell formation in foamed film, Dennis Osmer presented his CAD award winning paper, "The Opacity Parameter." Mr. Osmer discussed the importance of careful sample preparation, methods of measurement, relationships to colorant concentration, and interactions of two or more pigments.

Papers jointly presented by CAD and the Decorating Division were given by Mr. J. F. Frazier on the printing and decorating of plastics, and by Mr. Jack Glott on the "SCIIM" Process.

M. E. Berenson

Past Chairman

Technical Program Committee

ANTEC Seminar—Fundamentals of Coloring Plastics

Our 3rd annual one-day Antec seminar, presented in Washington on April 25th, attracted approximately 25 attendees. Suppliers, processors and users were about equally represented. As before, the presentations were handled by Tom Reeve of Du Pont, Dan Popielski of Monsanto and Bob Swain of Chroma Corp.

There appears to be a continuing interest and need for this educational activity, and we are currently planning the next one for the 1979 Antec in New Orleans.

Looking Ahead to ANTEC '79

Antec '79 will be held in New Orleans at the Hyatt Regency on May 7-10, 1979. CAD plans two half-day sessions. Tentatively, eleven papers have been promised to date covering a wide variety of topics. Most of these were directly solicited by the Technical Program Committee.

A need for papers, perhaps even for this conference, always exists. Those interested should contact any of the following:

Chmn. William S. Laycock, Color Technology (617) 336-9611.

Chmn.-Elect James G. Davidson, Macbeth (914) 561-7300.

Secy. Walter E. Coleman, C. Withington (212) 824-6900.

Wm. S. Laycock,

Program Committee Chairman

Appearances Count

The following guidelines offer a clue to your executives prowess. If you would like to discover more about your attire and image read, John T. Molloy's *Dress for Success*, (New York, McKay Publishing, 1975).

SHIRTS—Color makes a difference. White or light blue shirts infer authority and credibility while yellow manifests friendliness, happiness and no pressure.

TIES—If you recall, both President Ford and now President Carter both wore maroon ties with small patterns during the televised debates. Studies have shown that a tie such as this states authority and tenability. Any tie knot is suitable so long as it fills the collar opening.

SUITS—If you want the message to read masterfulness and direction, dark blue and gray are your best bets. Tan suits in-

dicade likableness but rate low on influence. The lighter the color, the lower the authority rating, with the exception of the summer when light colors become more acceptable. However, they never measure up to the dark blue or gray suit. As you travel west from Ohio dark brown becomes more acceptable than blue.

Sports jackets and slacks read low in reliability, education, authority and credibility. The combination of the blue-blazer, pale yellow shirt, blue tie, and beige slacks prove highest in likability.

SHOES—Black or brown in any style are considered acceptable. Care should be taken in decorative ornaments (metal ornaments should not be bigger than a dime).

GENERAL INFO—When you're trying to impress—don't offend. Chose the colors that don't threaten the person you're dealing with. As long as hair is neat and clean it's desirable. Facial hair reduces believability. Neat, snug fitting clothing spells sex appeal to most women.

Reprinted from *SPE Color and Appearance Division Newsletter*, Fall 1978.

Graphic Arts Technical Foundation GATF)

GATF Abstracts Celebrates 50th Anniversary

The Foundation publication *Graphic Arts Abstracts* quietly entered its fiftieth year of publication recently.

Beginning as a bimonthly digest of technical articles in June, 1928, under the title *Lithographic Abstracts*, the Foundation's *Graphic Arts Abstracts* continues as one of only two such digests published in the United States for the graphic arts industries.

The GATF *Graphic Arts Abstracts* is a convenient source of information on recent developments in the graphic communications field presented in a concise, time-saving format.

The purpose of the *Abstracts* is to do the reading for the busy corporate executive who must keep abreast of the latest developments in the industry. This is accomplished by staff members at GATF who review more than 225 of the world's leading graphic communications journals.

Articles of importance appearing in these journals are reviewed and important facts from each article are presented in a brief summation that can be read and evaluated in a moment. Photocopies of any abstracted article, should the *Abstracts* reader desire the complete journal article, can be purchased at a nominal charge by calling the GATF library.

Eleven monthly issues plus an annual index, which summarizes all of the literature reviewed during the calendar year, can be purchased by anyone affiliated with a GATF member firm.

The annual subscription rate for employees of GATF member firms located in the U.S., Canada, and Mexico is \$35.00. The subscription rate for employees of Foundation member companies located outside these geographic areas is \$45.00 per year.

To subscribe or learn more about the GATF *Graphic Arts Abstracts*, contact Ms. Randy Kane, *Abstracts* editor and GATF librarian at the Foundation.

For those of you unfamiliar with *Abstracts*, a copy of the entries for color and color printing in the 1977 index are listed. Other papers related to color also appear under other headings (e.g. Quality and Process Control).

Color and Color Printing

Between cameras & Scanning	310	C4146-2
Characteristics of the original in colour reproduction	228	C3671-4
Chromascope—a new approach to color scanner adjustments	85	—
Color by computer: latest wrinkle in textile printing	310	C4142-3
Color proofing	19	C2960-4
Color separation: way to go is direct screen via enlarger	227	C3920-3
Color separation: why the day of the scanner has arrived	227	C3921-4
Colour and the consumer	228	C3673-1
Computer color matching—a view from retirement	85	C3239-3
Control your print variable via pre-press proofing	375	C4389-3
Controlling color in the lab	50	C3114-6
Eight million formulations later—where are we now?	310	C3663-5
Evaluation of different color-difference formulae	228	C3661-6
Het inregelen van offetpersen vor vierkleurdruk	179	C3566-5
How yellow is a lemon?	150	C3448-4
Improved B & W halftones (1)	117	C3251-3
Improved B & W halftones (2)	117	C3393-3
Introduction to the art of duotones	150	C3386-1
Make your color separations pay for themselves	179	C3620-3
Mathematical model of a contact screening system	86	—
Method for establishing the optimum color balance. . .	84	—
Negative/positive	375	C4381-3
New approach to fast proofing	85	—
New approaches to graphic arts colorimetry	86	—
New developments in colour scanning	150	C3407-3
New high speed digital colour scanner	49	—
New in colour repro	339	C4184-4
New method for the colorimetric measurement. . .	227	C3662-7
No separation method suits all needs	149	C3529-1
On-machine measurement of the chromatic aspects of appearance	116	C3341-3
One piece of film instead of four	84	C3233-4
Pre-press automation trend. . .	309	C4123-1
Random quasiperiodic halftone process	19	C2987-9
Scanner a year for an expanding group	229	C3784-1
Sensitometry (3)	19	C3020-4
Separation Identification system. . .	338	C4286-1
Specifying color to printers	50	C3113-13
Standardized viewing conditions for reproduction	49	C3128-5
The role of a proof in colour reproduction	228	C3672-3
TRIC colour printing	149	C3470-1
21st annual color issue	376	C4388-15
Undercolor removal, a key to better printing	84	C3213-4
Understanding color. . .	149	C3528-8
What is color?	49	C3091-2
Where instrumental color matching is today	85	C3240-5

US NATIONAL COMMITTEE OF THE CIE

The USNC-CIE now has a newsletter, and Issue No. 1 came off the presses in September 1978. The editor of the first issue was Dr. Fred W. Billmeyer, Jr., and the editor of the second issue will be Dr. H. Richard Blackwell. Three items, one on the 19th Session of the CIE in Kyoto, another on the AIC meeting in Tokyo, and a third on recent CIE publications, are reprinted from the newsletter.

USNC Members Submit 19 Prospectuses for Kyoto Papers

Prospectuses for the following papers have been received by the Executive Committee and are being reviewed by its Papers Committee, consisting of Amick, H.R. Blackwell, Grum, Kaufman, and Schwab. Those prospectuses approved by the Papers Committee and the Executive Committee will be sent to the Central Bureau for consideration as contributed papers at Kyoto.

F. W. Billmeyer Tak-Fu Chong	"Evaluation of Methods for Predicting the Colors Under Standard Illuminants of Fluorescent Samples Measured Under an Arbitrary Source"
F. W. Billmeyer Tak-Fu Chong	"Visual Evaluation of Methods Assessing in the Ultraviolet Range the Quality of Daylight Simulators for Colorimetry"
R. M. Boynton Naotake Kambe	"Measurement of Slightly Suprathreshold Color Difference Steps"
D. L. DiLaura	"Finite Fourier Series and the Practical Generalization of Lighting Calculations"
D. M. Finch J. E. Jewell M. J. Leite Burt Nelson	"Atmospheric Light Pollution"
W. S. Fisher	"A Method for Evaluating the Net Impact of Electric Lighting on a Building's Energy Budget"
J. E. Flynn C. Bernecker	"Subjective Analysis of 'Light Structures' in Architectural Interiors"
V. P. Gallagher M. Freedman	"Visibility Requirements for Highway Tunnels"
S. L. Guth	"The Effect of Achromatic Adaptation on Foveal Spectral Sensitivity and Heterochromatic Additivity"
G. D. Hayward and Lauren Birenbaum	"Lighting and Human Behavior"
R. S. Hunter	"Analysing the Gloss of Lighting Materials: Past, Present and Future"
M. S. Janoff V. P. Gallagher R. N. Schwab	"The Role of Visibility in Roadway Lighting"

J. E. Jewell R. Verderber S. Selkowitz	"Energy Efficiency and Performance of Solid-State Ballasts"
K. C. Lau E. Allen	"Application of Radiative Transfer Theory to Metallic Paints"
D. L. MacAdam	"Evaluation of Half-Step Color Differences in OSA Uniform Color Scales by Use of CIE 1976 $L^*u^*v^*$ and $L^*a^*b^*$ Formulas"
K. D. Mielenz	"Problems in Luminescence Spectrometry"
J. Rennilson	"Measurement of Geometrically Caused Variations in the Nighttime Chromaticity of Retroreflective Materials Using Spectroradiometric Techniques"
S. W. Smith M. S. Rea	"Relationships Between Office Performance and Ratings of Feelings and Task Evaluations Under Different Light Sources and Levels"
W. H. Venable H. F. Stephenson H. Terstiege	"Factors Affecting the Metrology of Retroreflecting Materials"

There will be two types of papers presented at Kyoto: a very few General Papers, selected for their interest to several CIE Technical Committees, and Committee Papers, which include all others. It was necessary for the Executive Committee to forward its recommendations for General Papers to the Action Committee last spring; they were the following:

F. W. Billmeyer, Jr. Tak-Fu Chong	"Evaluation of Methods for Predicting the Colors Under Standard Illuminants of Fluorescent Samples Measured Under an Arbitrary Source"
H. R. Blackwell	"The CIE Methods of Analyzing Visual Performance Aspects of Lighting"
L. Thorington	"Actinic Effects of Light"
W. H. Venable H. F. Stephenson H. Terstiege	"Factors Affecting the Metrology of Retroreflective Materials"
H. M. Brandston	"An Approach to the Design of Lighting Systems"

AIC Meeting on Color Appearance

The International Colour Association (AIC) has announced an AIC Midterm Symposium '79 "Color Appearance" to be held at the Hotel Fairmont, Tokyo, on August 15-16, 1979, just prior to the Kyoto CIE session. Like the CIE, the AIC holds quadrennial Congresses, the years being selected to alternate with those of CIE Congresses. Just as many CIE Technical Committees meet near the time and place of an AIC Congress (as was the case in Troy, New York, in 1977), so the AIC often schedules a midterm meeting close to a CIE Congress. The

scope of the "Color Appearance" Symposium is stated as follows:

"The role of color is immensely increasing in our everyday life and the demand for qualitative and quantitative treatments of the color appearance is as great as ever. The color appearance, however, changes greatly and in a complex manner depending upon situations, and a simple solution has not been derived yet. The Symposium is planned in order to search a possible solution or solutions for the demand through presentations of papers and discussions on the main theme as well as on some subthemes such as Color Difference, Color Adaptation, Color Space, Color Atlas, and Color Signal. The Symposium consists of three scientific sessions of three hours each. In each session three or four persons will present survey lectures or talk about the recent developments in the field of the selected topics and the remaining time will be open to all participants for free discussions."

Further information on this meeting can be obtained from the Editor, who stayed at the Fairmont in 1975 and can recommend it highly.

New CIE Publications

The following new CIE Publications have been issued recently. Copies may be ordered from Jack Tech, Secretary, National Bureau of Standards, Washington, DC 20234, for the prepaid prices indicated.

CIE Publication No. 12.2, *Recommendations for the Lighting of Roads for Motorized Traffic*, \$22.00.

The aim of these recommendations is to lay down the fundamental principles governing the lighting of roads and to indicate certain well established values and techniques. The technique of lighting varies in different countries. Possibilities and usages vary; so do the construction, the use, and the layout of roads. National Codes can not in practice be identical since they have been set up to meet the needs of, and to be used in, the particular circumstances of the country. Nevertheless it is possible to lay down certain principles and established techniques that are of general application. The recommendations given in this document cover primarily the principles of lighting for road traffic and the photometric characteristics of fixed lighting installations which have to be provided as a consequence of these principles (road surface luminance, glare restriction, optical guidance).

CIE Publication No. 38, *Radiometric and Photometric Characteristics of Materials and their Measurement*, \$20.00.

This publication is the result of active cooperation between different countries and has been produced by the members of CIE Technical Committee TC-2.3 which has representation from 27 countries. The report, in conjunction with the International Lighting Vocabulary (CIE Publication No. 17, 1970) is a survey of the processes which occur if a material is irradiated, and of the characteristics of the material which are important in determining its behavior in general and in a few special cases. This report also clarifies the definitions of the characteristics and processes. Certain correlations among various characteristics are described. For the most important characteristics, practical methods of measurement are given to insure that measurements in different laboratories yield similar values. The processes and characteristics described in this report apply to optical radiation, particularly light. There are 123 literature references and 7 figures.

CIE Publication No. 39, *Surface Colors for Visual Signal-*

ling, \$8.50.

This publication is the result of active cooperation between different countries and has been produced by the members of CIE Technical Committee 1.6 (Visual Signalling) which has representation from 19 countries.

The object of this report is to provide information regarding the colors of non-self-luminous surfaces, in terms of chromaticity limits and limits on luminance factor. Different types of surface colors are considered: ordinary colors, fluorescent colors, retro-reflecting materials, transilluminated signs and high-conspicuity colors. Indications are given concerning: change of illuminant, defective color vision, and size of a sign. The report refers to non-self-luminous signs intended for all forms of transport and for warning signs and color codes in general.

CIE Publication No. 40, *Calculations for Interior Lighting—Basic Method*, \$13.00.

A report in English, and partly in French and German, on Calculations for Interior Lighting, has been published by the Commission Internationale de l'Eclairage (Publication CIE No. 40). The Publication is the result of active cooperation between different countries and has been produced by the members of CIE Technical Committee 1.5 (Lighting Calculations) which has representatives from 26 countries.

This report presents a "Basic Method." Committee 1.5 plans to prepare another report on an applied method. The basic method can be used in the following situations: the interior is a rectangular parallelipiped, the working plane is materialized by a surface, the room surfaces reflect regularly, the direct flux on the working plane does not vary significantly with rotation of the luminaries.

The publication has 64 pages, with two figures and 54 tables.

DESIGNER'S SATURDAY—NEW YORK CITY

"Fourteenth floor please." The elevator rises and my anticipation grows. This is it—Designer's Saturday in New York City—and my first big introduction to the "real" world of professional design. Armed with a map and a list of Designer's Saturday sponsoring firms, I'm ready for the first showroom of the day.

The elevator door opens—to a transformation of colors and shapes. Dozens of people crowd round the reception desk—a young woman calls out, "Please register, please register." And here comes the possibility of blowing my professional cover by being recognized as a student! I didn't assemble my best-jacket-and-tie facade this morning just to be discovered as an imposter! So boldly I step up to the desk and fill out the card I've been handed.

Oh-oh . . . firm and position held? I write "Acme Interiors—chief designer," and hand back the card. In return I'm given a red balloon, three full-color posters, a box filled with cookies and champagne and a corned beef sandwich, a purple hardhat and a catalogue of the firm's newest furniture line—all enclosed in a spiffy shopping bag.

Trick or treat?

As a three-year Designer's Saturday veteran, I'm no longer compelled to take every loose page of information stacked on the tables, and I don't bother stuffing my pockets with material samples I'll never use. But the excitement of the event is still there. To me it's always a thrilling, interesting and entertaining time . . . a chance to see and try out all the furniture

FUTURE MEETINGS

ISCC Annual Meetings

1979: April 23-24 — Roosevelt Hotel, New York, N.Y.
1980: April 21-22 — Rochester, N.Y.

Williamsburg Conferences

1979: February 11-14
1980: February 4-6
1981: February 9-11

Graphic Arts Technical Foundation

1978: La Quinta, CA, September 28-October 1

The American College of Prosthodontists

1978: Las Vegas, Hotel Sahara, October 16-22

Dry Color Manufacturers' Association

1979: The Greenbrier, White Sulphur Springs, WV, June 17-20

Federation of Societies for Coatings Technology

1979: St. Louis Convention Center, October 3-5

I've been using in my floor plans for the past year . . . a refreshing change from the limits of catalogues. It's a time to meet people, to talk and ask questions.

What if the excitement is, after all, a brilliant promotion effort by the showrooms? That's not the important feature to me, at least not now, as a student. What's important to me is to be immersed in an atmosphere of design.

The day goes quickly. We know it won't last long, but it's unique and wonderful. And where else can you see 300 other well-dressed people on an autumn afternoon, walking up Madison Avenue wearing purple hardhats?

Jonathan Richmond

University of Massachusetts

Reprinted from *NSC ASID Feedback*, Fall-Winter 1978.

CHANGE OF DATES OF THE AIC MIDTERM TOKYO SYMPOSIUM '79 ON COLOR APPEARANCE

Dates of the AIC Midterm Tokyo Symposium '79, which will be held prior to the CIE 19th Session Kyoto, Japan, (see *ISCC News* No. 253, March-April 1978), have been changed to August 16th (Thursday) and 17th (Friday) from August 15th and 16th so that those who will join the packaged tour of the US National Committee for CIE will be able to participate the Symposium. According to the nature of the Symposium, plenty of time will be allocated for discussion, and the organizing committee is accepting registration from scientists in the field of color who will take part and make discussions. The First Circular with details and preliminary registration form is available at Mr. Akira Kodama, Secretary of the organizing committee, Japan Color Research Institute, 1-19 Nishi-Azabu 3 chome, Minato-ku, Tokyo 106, Japan.

Editor's Note

"Color 77, A Year Later" was to be concluded in this issue of the *News*. Unfortunately, scheduling difficulties did not permit this. The conclusion will appear in a future issue.

Deadlines for submitting items to be included in the *Newsletter* are: February 15, April 15, June 15, August 15, October 15, and December 15, in other words, the fifteenth of the even-numbered months.

Send *Newsletter* items to Editor:

Dr. William Benson
618 Constitution Ave., N.E.
Washington, D.C. 20002
202-546-1016

COMMITTEE ON PUBLICATIONS

William Benson, Chairman
Yale Forman
Harry K. Hammond
Bella Schwartz
Frederick T. Simon

OFFICERS, 1978-1980

President

Mr. Franc Grum Research Laboratories, Bldg. 81
Eastman Kodak Company
Rochester, New York, 14650
716-458-1000, ext. 77827

President-Elect

Dr. William D. Schaeffer Graphic Arts Technical
Foundation
4615 Forbes Avenue
Pittsburgh, Pennsylvania 15213
412-391-5000

Secretary

Dr. Fred W. Billmeyer, Jr. Department of Chemistry
Rensselaer Polytechnic Institute
Troy, New York 12181
518-270-6458

Treasurer

Mr. S. Leonard Davidson N L Industries
Hightstown Laboratories
P.O. Box 700
Hightstown, New Jersey 08520
609-443-2617

Past President, 1978-1980

Mr. Charles W. Jerome

DIRECTORS

1976-1979

Ms. Joyce S. Davenport
Mr. Calvin S. McCamy
Dr. Frederick T. Simon

1977-1980

Ms. Therese M. Commerford
Mr. Karl Fink
Dr. Alan R. Robertson

1978-1981

Ms. Bonnie Bender
Dr. Stephen F. Bergen
Mr. Edward L. Cairns