According to 1988 Conference Chairman Tom Fadner of Rockwell International-Graphic Systems Division, TAGA'88, the 40th Annual Technical Conference of the Technical Association of the Graphic Arts, will begin with the Grand Welcoming Reception at 5:30 p.m. on the evening of Sunday, May 1, 1988, at Stouffer's Hamilton Hotel in Itasca, Illinois (Chicago).

The papers sessions will begin at 8:00 a.m. on Monday, May 2. According to 1988 Papers Chairman Fred Dankert of Flint Ink, the program promises to be the most exciting ever, with a full slate of technical subjects to be presented by very prominent industry speakers already scheduled. This year's theme will be an historical perspective of TAGA and the graphic arts industry during the past 40 years. Special presentations will be made by TAGA Executive Director Mike Bruno and other industry leaders. An introduction to each session will include a retrospective given by past presidents of TAGA, and Bruno, who is also one of TAGA’s “founding fathers”, will lead a special session on the Association’s role in the evolution of the Graphic Arts Industry.

Conference and hotel registration forms have recently been mailed to all TAGA members outlining all planned conference events. If you have not received yours or if others at your firm wish to receive a copy, please notify the TAGA Office at (716) 272-0557 and one will be mailed to you.

We look forward to seeing you at the gala anniversary celebration at TAGA'88 in Chicago!

Following are some of the technical papers scheduled to be presented at TAGA'88:

PREPRESS:
- A Few Things About Microlines that Most People Do Not Know—F. Nigg, R.I.T.
- The Future of Parallel, Analog, and Neural Computing Architecture for Graphic Arts—R. Holub, Eikonix
- Electronic Reproduction Technology for the 90's—Dr. U. Cast, Hell Graphic Systems
- Data Structures for Coiling-Screened Half-tone Pictures—Prof. Forchhammer, University of Denmark

PRESS:
- The Importance of Raw Water Quality in the Control of Fountain Solution Chemistry—John MacPhie, Baldwin Technology
- On the Structure of Ink-Water Emulsions as Derived from Dielectric Constant Measurements—M. Cher, Rockwell Graphic Systems
- Color Separation and Image Manipulation in Proofing—John Souther, 3M Co.
- Analysis of Ink Starvation Ghosting—Ray Prince, G.A.T.E.
- Optimization of Litho Performance—Mechanical Considerations—R. Bassemir, Sun Chemical Corp.
- Printing Pressure Distribution in Contact Areas of Offset Press Cylinder—Prof. Gong, Shenzhen Institute, China

MEASUREMENT:
- A Better Way to Characterize the Hue

Error—Dr. S. Chou, Rockwell Graphic Systems
- Colormetric vs. Densitometric Values for Ink Checking—S. A. Barrels, 3M Co.
- Closed Loop System for Automatic Color Control—H. P. Murbach, Gestet
- GCR—The Production Realities—R. Fisch, 3M Co.
- A Definitive Strategy for the Closed Loop Control of Process Color Printing—J. MacPhee, Baldwin Technology
- Experience on the Closed Loop Control—R. Fisch, 3M Co.


TAGA88 CHICAGO: MAY 1-4, 1988

TAGA's 40th Anniversary

It is a very special time in the history of the Graphic Arts, and TAGA is proud to be a part of it. The celebration begins with the Grand Welcoming Reception on May 1st at Stouffer's Hamilton Hotel in Itasca, Illinois (Chicago).

The technical program promises to be the most exciting ever, with a full slate of technical subjects to be presented by prominent industry speakers already scheduled. The theme of the conference is the historical perspective of TAGA and the graphic arts industry during the past 40 years.

Conference and hotel registration forms have recently been mailed to all TAGA members outlining all planned conference events. If you have not received your copy or if others at your firm wish to receive a copy, please notify the TAGA Office at (716) 272-0557 and one will be mailed to you.

We look forward to seeing you at the gala anniversary celebration at TAGA'88 in Chicago!
According to Executive Director Mike Bruno, plans for TAGA '89 are already underway. The conference is scheduled for April 2–5, 1989, at the Holiday Inn Crowne Plaza Hotel in sunny Orlando, Florida, and will be hosted by Committee Chairman “Bud” Pedley of Lanman Graphics.

The 1990 TAGA Annual Technical Conference is scheduled for April 8–11, 1990, in Kansas City, Missouri. This meeting is being planned by Committee Chairman John Lundy of Hallmark Cards, Inc. The conference hotel is still in the negotiation stage. TAGA '91 has been planned for May 5–8, 1991, at the Goat’s Island Sheraton Hotel in Newport, Rhode Island. According to Bruno, no Committee Chairman has yet been chosen for this conference. The 1992 TAGA conference is tentatively scheduled to be held in Vancouver, Canada, in May 1992 and will be organized by Committee Chairperson Nancy Lowther of Hallmark Cards Canada.

More details of these meetings will be released as they become available. Be sure to mark your calendar with the above dates and begin planning early to attend!

THE HEAT IS ON!

More Hot Stuff

The “Hot Stuff” breakfast/program was such a hit at Graph Expo '87 last November, that the TAGA Board has decided to make this an ongoing event! TAGA Board Member Ray Prince, who originally proposed the idea of “Hot Stuff” and who planned “Hot Stuff” at Graph Expo '87, is already planning three more such programs. The next “Hot Stuff” breakfast/program is scheduled to be held at Graph Expo '89 in Chicago, Illinois (October 1–4, 1989). Others will be held at DRUPA '90 (April 27–May 10, 1990), and at Print '91 in Chicago (September 4–11, 1991). A specific date and more details for each “Hot Stuff” program will be reported as soon as they become available. Don’t miss out on the exciting revelations and explanations of emerging technologies unveiled at these major trade shows to be presented at the TAGA “Hot Stuff” programs!

Acknowledgements

We wish to extend our sincere thanks to Mr. David Bethlahmy, President of Atomic Press in Seattle, Washington, for the donation of 12,000 revised TAGA membership brochures. Contributions to this publication were also made by Michael Osborne Design, Inc. of San Francisco, Wescan Color Corp., Golden Pacific Embossing, and Bayless Bindery. We would also like to thank Mr. Otto Glatt of Paper Sources International for the contribution of the 90# Ikonorex coated paper upon which the text of the brochure is printed. Heartfelt thanks also go out to Triton College Graphic Arts Department, Acme Printing Ink Co., American Printer, and Schawk Graphics for the donation of their time, efforts, and materials to create the TAGA 40th Annual Technical Conference brochures. Both of these brochures are top quality publications which serve to portray TAGA’s new more professional and progressive image. These donations are greatly appreciated.

2
The following have served on the TAGA Board of Directors since June 1, 1985, and are currently serving the third year of their three-year term of office:

Dr. Thomas A. Fadner is Research Manager at Rockwell International's Graphic Systems Division's advanced printing process and printing materials programs. Prior to joining Rockwell, he served as Associate Scientist in American Can Company's printing research group, Manager of GATF's Chemistry Division, Director of Paper Specialties R&D at Oxford Paper Company. Dr. Fadner has published numerous technical articles and patents in polymer, paper-coating, and graphic arts fields. He holds a Ph.D degree in polymer chemistry from Polytechnic Institute of New York and a B.S. degree from the University of Wisconsin, Oshkosh. In addition to TAGA, he is a member of TAPPI, GATF, ACS, and SME. Dr. Fadner has authored, co-authored, and presented many technical papers at TAGA conferences since 1978. He has served on the TAGA Board of Directors for the past three years and will be hosting the 1988 TAGA Annual Technical Conference in Chicago serving as Local Conference Committee Chairman.

Donald R. Voas is Manager of Graphics Technology at the James River Corporation Research and Development Center in Neenah, WI. He coordinates research and technical support for the firm's offset litho, flexo, gravure, and letterpress printing operations. Before joining James River in 1985, he was Project Manager of Graphic Arts Technology at Mead Paper for four and one-half years, Technical Services Representative for almost ten years at Graphic Arts Technical Foundation (GATF), and held production and management positions in newspaper and commercial printing companies in Iowa, Nebraska, and Indiana. He has conducted technical plant audits and been a seminar/workshop speaker on printing, technical problems, quality control, paper and ink throughout the United States as well as abroad. Mr. Voas received his B.S. degree from South Dakota State University with majors in Printing Management and Journalism. He has been a TAGA member since 1972 and has served actively on the TAGA Board of Directors for the past three years. He also is a member of the GATF Technical Services Committee, Technical Association of the Pulp and Paper Industry (TAPPI), and the Flexographic Technical Association (FTA). He is currently running for the office of Vice President of Technical Papers in the 1988-89 TAGA election.

Leslie A. Watkins was recently named Vice President-Technical Operations of Graphic Fine Color in Hyattsville, Maryland, previously serving as Technical Director. Prior to joining Graphic Fine Color in 1986, he was Technical Director of Capitol Printing Ink Company, Inc. in Washington, D.C. Prior to joining Capitol in 1982, he held several positions with Canadian Fine Color Co., Toronto, Canada, including Technical Service Manager, Technical Director, and Vice President-Technical Operations. He was born and educated in England and moved to Canada in 1968 where he continued his education at the University of Toronto in business administration. He taught printing ink technology at George Brown College in Toronto and is currently involved in industry seminars and workshops across the country as well as writing articles for industry publications. He has been active in TAGA since 1972. In 1975, he served on the Local Conference Committee for the Annual Meeting, and in 1977, he was appointed to the TAGA Board to complete the term of a member who had resigned. He is currently serving his third year as an elected TAGA Board Member and also serves as Chairman of the TAGA Ink, Paper and Press Committee.
COMMITTEE NEWS

_color_committee

The 1988 T&GA Color Workshop will be held from 7:00-8:30 a.m. on Tuesday, May 3, 1988, at T&GA88 Chicago. The workshop will be conducted by Color Committee Co-chairmen George Leyda, 3M Company and Thomas Croteau, USA Today. If you have any suggestions regarding topics you would like discussed at this workshop, please contact Mr. Leyda at (612) 736-1793. A larger-than-ever-turnout is expected at this important T&GA88 function, so begin making plans now to attend.

_Ink, Paper & Press Committee

According to Committee Chairman Les Watkins of Graphic Fine Color in Hyattsville, Maryland, plans for the 1988 Ink, Paper & Press Workshop are well underway. Several timely topics have already been chosen for discussion. If you have any topic suggestions, you may contact Mr. Watkins at (301) 322-7575. The workshop format will once again be the highly successful "Donohue format", striving to achieve the optimum in audience participation. Plan now to attend this important event at T&GA88, scheduled to be held from 5:00-6:30 p.m. on Monday, May 2, 1988.

Electronic Pre-Press Committee

According to Electronic Prepress Committee Chairman Brian Chapman of Eikonix Corporation, the same format which proved so successful at last year's Electronic Prepress Workshop will again be employed at the T&GA88 EP Workshop in Chicago. This event is planned for 7:00-8:30 a.m. on Wednesday, May 4. Three subjects will be presented by three industry experts:

* Digital Color Proofing—Michael Bruno
* Design Work Stations—Kennard Cloud
* Optical Disks—Dr. S. Thomas Dunn.

The length of each presentation will be 7-8 minutes with the remaining time devoted to discussions involving the experts and attendees. Don't miss this T&GA88 highlight!

Fellowships Committee

T&GA believes that supporting the graduate education of technically inclined students is a particularly worthwhile use of its funds. as these graduates will undoubtedly provide technical leadership to the graphic arts industry of the future. T&GA fellowship funds are donated by its Corporate Sponsors through payment of their annual dues. With the generous support of its Corporate Sponsors, the T&GA board is pleased to continue its encouragement of technical education of the graphic arts and related industries. According to Fellowships Committee Chairman Gary Field of California Polytechnic State University in San Luis Obispo, California, candidates for fellowships to be awarded for 1988-89 are being interviewed at this time by, among others, T&GA Fellowships Committee members Dr. Thomas Fadner of Rockwell Graphic Systems, and Donald Voas of James River Corporation in Neenah, Wisconsin. The worthy recipients will be announced at the 1988 T&GA Annual Technical Conference in Chicago and their names will be reported in the next T&GA Newsletter. The T&GA Fellowships program is administered by the National Scholarship Trust Fund. Graduate students wishing to apply for these fellowships should request an application form by writing to: Mr. Jack Simich, National Scholarship Trust Fund, 4615 Forbes Ave., Pittsburgh, PA 15213.
Student Chapters Committee

The TAGA Student Chapters will hold its 3rd Annual Meeting and Reception in conjunction with the 1988 TCGA Annual Technical Conference in Chicago which takes place May 1–4, 1988. The Student Chapter Meeting will be held Monday evening May 2, 1988, at Stouffer’s Hamilton Hotel from 7:00 to 9:00 p.m. Any TCGA Student Chapter member or faculty advisor may submit agenda items for the meeting. Submit all such items to Dr. Harvey Levenson, Graphic Communications Department, California Polytechnic State University, San Luis Obispo, CA 93407.

Because of the central location for this year’s annual conference (Chicago), it is expected that there will be a large turnout of TCGA Student Members. Students interested in information about alternative lower-priced hotel accommodations in close proximity to the conference hotel should contact Mr. Thomas Fadner, TCGA88 Conference Chairman, at Rockwell International Graphic Systems Division, 3100 S. Central Ave., Chicago, IL 60650, Telephone (312) 656-8600.

As in previous years, each student chapter will have the opportunity to discuss its chapter activities and provide input into how the student chapters should relate to the TCGA organization. The $1,000 cash award will be presented to Clemson University student Simons Ann Bryan, who submitted the best research paper as part of a student chapter journal. She will present her winning paper entitled, Using a Bump Exposure with Direct Emulsion, as part of the TCGA88 Conference.

Currently, 110 students representing 19 colleges and universities are members of TCGA.

International Relations Committee

During April/May 1987 the VDD (Verein Deutscher Druckingenieure e.V.) undertook a visit to several leading Graphic Arts and Electronics companies on the West Coast with the highlight of the trip being their participation at the very successful TCGA meeting in San Diego.

From reports published in German trade magazines and some additional direct information, the VDD group considered this visit a very successful one. The same group, which is part of the International efforts of TCGA USA, is considering the possibility of a similar type trip as part of the next TCGA meeting near Chicago from May 1 through May 4, 1988. Because of this initiative taken by the VDD, we are again supporting the effort asking all the other TCGA-type organizations in several foreign countries to investigate if they would like to participate in the 1988 TCGA-related visit being considered by the VDD. The TCGA-type organizations in the following countries have been contacted: Japan, Switzerland, Italy, Finland, France, Brazil, England, W. Germany and Austria.

We are also asking if they would consider this type of trip to take place during the annual TCGA meeting, or maybe every second year.

Please send any comments or suggestions you might have in regard to this subject or any other item which relates to the International Committee of TCGA, to: TCGA International Relations Committee Chairman Kurt Pfahl, Hallmark Cards, Inc., PO. Box 580, Kansas City, MO 64108, Telephone (816) 274-5283.

Simons Ann Bryan Wins Student Paper Contest

Clemson University student Simons Ann Bryan was one of several TCGA student members to submit a technical paper for consideration by the 1988 Papers Committee, chaired by Fred Dankert of Flint Ink, for presentation at TCGA88. Ms. Bryan is a student of Dr. Sam T. Ingram, TCGA Student Chapter advisor, at Clemson University’s Industrial Education Department in Clemson, South Carolina. Her paper, Using a Bump Exposure with Direct Emulsion, was chosen as superior to many other excellent papers submitted by the TCGA Student Chapters at California Polytechnic State University, the Rochester Institute of Technology, and Clemson University. Ms. Bryan will travel to Chicago to give her presentation at the 1988 TCGA Annual Technical Conference in Chicago. The text of her presentation will also appear in the 1988 TCGA Proceedings. Most exciting of all, she will receive her award of $1,000 cash at the TCGA88 Awards Banquet on the evening of Tuesday, May 3. We extend sincere congratulations to this enterprising TCGA Student Member. TCGA also thanks all of its other student members who submitted papers for a job well done.

TAGA Newsletter • Spring 1988 5
CANDIDATES

Election of Officers and Directors 1988–1989

Election ballots have been mailed to all TAGA members eligible to vote in the 1988 election of TAGA Officers and Directors. The following individuals are candidates for office:

**President:**
Frederick T. Dankert
Principal Research Scientist with Flint Ink Corp.

**Executive Vice President:**
David Q. McDowell
Technical staff member of the Graphic Imaging Systems Division of Eastman Kodak Company

Derek Swarbrick
A District Manager at E. I. duPont de Nemours & Co., Inc.

**Secretary-Treasurer:**
Herbert Phillips
T&EE Center Director, College of Graphic Arts and Photography at Rochester Institute of Technology

**Papers Vice President:**
Donald Voas
Technical Staff Member of the Research and Development Center at James River Corp.

**T&E Center Director, College of Technical Staff member of the Graphic Imaging Systems Division of Eastman Kodak Company**

**Board of Directors (4 Positions):**
Simo Karttunen
Director of the Graphic Arts Research Laboratory of the Technical Research Centre of Finland

Patrice Margin
Associate Scientist at The Pulp & Paper Research Institute of Canada

Nancy Lowther
Manager of Graphic Arts Technical Development at Hallmark Cards Canada

New Members

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<tr>
<th>ANDERSON, Harvey L.</th>
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<td>CROSBY, Linda J.</td>
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*Be sure to exercise your right to vote for the candidates of your choice. Your ballot must be returned in the envelope provided and postmarked no later than April 8, 1988, in order to be counted.*
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TAGA Corporate Members

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Baldwin Technology Corp.
Chesley F. Carlson Co.
Church of Jesus Christ—LDS (Printing Services Div.)
Crosfield Electronics
Dunn Technology Inc.
E.I. duPont de Nemours
Eastman Kodak Company
ENC0 Printing Products
Eikonix Corp.
Gretag Graphic Arts
Hallmark Cards Canada
Hallmark Cards Inc.
Harris Graphics Corp.
Hell Graphic Systems
Heidelberg Canada Ltd.
Heidelberg Eastern Inc.
Howson-Algraphy Ltd.
Miller Printing Equipment
Photo-Mechanical Services Inc. (PMSI)
Polaroid Corp.
Rockwell Graphic Systems
Scitex America Corp.
Sun Chemical Corp.
U.S. Dept. of Commerce-NOAA (Reproduction Branch)
3M Company
Western Lithotech
Westvaco Corp.
Weyerhaeuser Corp.

TAGA thanks its Corporate Members for their continuing support!

Free Service Offered to Graphic Arts Industry

The Technical Association of the Graphic Arts is pleased to announce the availability of a free service to the industry concerning the placement of students in technical internships. TAGA is making available space in its newsletter for companies to advertise the availability of internships, summer jobs, cooperative experiences, and other types of jobs suitable for college students.

The newsletter space is available only for publicising technical positions. Such positions as quality control, technical sales, research and development, product and materials evaluation, and technical management are examples of suitable job opportunities.

All details concerning working hours, salary, benefits, transportation, college credit and similar issues are negotiated between the company, student, and if appropriate, the college. TAGA's involvement is limited to providing the space in the newsletter.

The TAGA newsletter reaches all TAGA student members, perhaps the largest available pool of students interested in technical issues in the graphic arts. Companies using this service will attract the applications of highly motivated young people that surely will make an important contribution to the technical leadership of tomorrow's industry.

Companies wanting to use this service should send the following information to the TAGA office: brief job description; job location; length of job, including preferred starting date; name of person to whom application should be addressed; and name and address of company. The information should be typed, double spaced, and limited to 100 words. Please note that this service is not available for permanent positions but is restricted to part-time jobs for students.

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8