On June 1st, Karen Lawrence was promoted to the position of Managing Director of TAGA by the TAGA Board of Directors.

Karen has been with TAGA for the last seven years as the Executive Assistant to the Board of Directors. In that capacity, she was involved in running our conferences, creating the newsletter, helping to manage our money, and carrying out many other details that went into making TAGA what it is today.

Prior to working for TAGA, Karen was the Office Manager in the Campus Safety Department at RIT where she supervised 12 full time and 8 part-time employees. Not one to sit still, in her spare time she took courses in Financial Planning, Personal Computers, and Management Skills.

Karen attended Southern Connecticut State University full time for two years and later transferred to Rochester Institute of Technology's College of Business where she is currently enrolled part-time in the Bachelor of Science degree program in Business Management.

In her free time, Karen is an avid reader of historical novels, and in the summer, she and her husband, Jim, enjoy boating on Canadian waters in their 32-foot cabin cruiser.

You have elected the following officials to serve you on the TAGA Board of Directors for the coming year:

The new TAGA President is Raymond J. Prince, GATF; Executive Vice President, Patrice Mangin, PAPRICAN. New Board Members are Bruce Blom, James River Corp.; Sam Ingram, Clemson University; Bryan Sunderland, WACE Group, England; and John Sweeney, X-Rite Corp.

These new officers and directors join existing board members: Vice President of Technical Papers - Richard S. Fisch, 3M Co.; Vice President of Membership - Donald M. Fredrickson, Editor's Press; Secretary-Treasurer - Herbert Phillips, RIT; and Directors - Robert Chung, RIT; John Favat, American Printer; H. Cameron Hitchcock, DuPont; Anthony Johnson, Crossfield, England; Nancy Lowther, Hallmark Cards Canada; Robert Mason, HunterLab (retired); Jeannette Truncellito, Sun Chemical Corp.; Leslie Watkins, Graphic Fine Color; and Immediate Past President - David Q. McDowell, Eastman Kodak Company.
MEET YOUR BOARD

Ray Prince

Our first interview is with Ray Prince, our new TAGA President. When did you join TAGA?

"I had known of TAGA's existence since my days as a student at RIT (we the editors did not ask how long ago that was) and joined TAGA in 1983."

What does TAGA give you?

"It gives me knowledge of what is going on in our industry. I learn not only from the proceedings but at the conference. I always value what people like Curtis Thormodsgaard and Mike Bruno have in their briefcases. And the people contact is very valuable."

Why did you run for election to the Board?

"...because of Harvey Levenson. I did a lecture a number of years ago at Cal Poly. Harvey asked what I had returned to the industry. Since that conversation I have authored two books, produced in excess of thirty magazine articles, presented four TAGA papers and worked on the Board of Directors of TAGA."

What does your actual job entail?

"I'm the Director of Technical Services for GATF and as such, supervise seven people, and responsibilities range from management of technical services consultants, to servicing the hot line, doing technical plant audits, to the GATF library. I teach two courses at RIT for the T & E Centre and five programs at GATF. And I review manuscripts and solicit donations for GATF."

How many hours do you work on average each week?

"...82 to 93 hours."

What about your spare time?

"My wife Nancy and I have two children, Susan who is 8 and Sarah who is 4. We have a farm in South Dakota and two horses. We ride English hunt and have an indoor riding arena. And I do gardening - vegetables."

UPDATE

by David Q. McDowell

It is surprising how quickly the last two years have passed and how many changes we have seen in TAGA and in our industry. It has been a privilege for me to serve as your president during this period of time. I want to emphasize and acknowledge that the success of TAGA represents teamwork between the staff, officers, board members, and individual members.

That teamwork was evident in our very successful 1991 TAGA Annual Technical Conference recently completed in Rochester. Several key players deserve special credit. Richard Pisch (3M Company), our Vice President of Technical Papers, created an excellent technical program that provided a balanced look at many segments of graphic arts from prepress through finishing. The excellent tutorials that began our conference emphasize that we need to make Sunday tutorials a permanent part of the program. The workshop leaders under Dick's direction also made these activities more interesting and relevant as they provided a focus for more detailed discussion leading from the tutorials. It goes without saying that the authors and speakers were the heart of the conference, and we appreciate their willingness to share.

Richard Bucknam (Eastman Kodak Company), Chairman of the Local Arrangements Committee, working with Managing Director John Holtz and a great local committee provided us with the physical arrangements and support to allow the conference to flow from one event into another. This group also recruited corporate financial support for the conference, and we appreciate the support from our industry which was provided in both goods/services and cash. A team of our TAGA student members, mostly from RIT, also provided significant support at the registration area and in A/V operation and monitoring.

A very large thank you to Karen Lawrence for all her work on the conference and to all who helped make this an excellent TAGA Annual Technical Conference.

A warm welcome to incoming board members Bruce Blom (James River Corp.), Sam Ingram (Clemson University), Brian Sunderland (WACE Group, U.K.) and John Sweeney (X-Rite) and a fond goodbye to Patrice Dunn (Dunn Technology Inc.), Simo Karttunen (VTT, Finland), and Alice Mentzer (3M Co.) as they leave the board. Patrice Mangin (PAPRICAN) is continuing on as your new Executive Vice President in support (continued on page 5)

TAGA Newsletter • Spring 1991
1991 TAGA CONFERENCE — WELL ORGANIZED, PROGRAMMED AND EXECUTED

The 43rd Annual Technical Conference of the Technical Association of the Graphic Arts (TAGA) was held in Rochester, NY at the Marriott Thruway Hotel, May 5-8, 1991. It was attended by 208 industry technologists and specialists, and 54 students. Attendance was enhanced by 28 spouses and guests and 45 foreign registrants from 13 countries many of whom were on their way to the IARIGAI Research Conference in Pittsburgh the following week. The conference technical chairman was Dr. Richard S. Fisch, 3M, and TAGA Vice President of Papers and Publications, and chairman of local arrangements was Richard Bucknam, Kodak. Officiating at the conference was David Q. McDowell, Kodak, and TAGA President, and its administrator was John Holtz, TAGA Managing Director, ably assisted by Karen Lawrence, TAGA Executive Assistant.

The technical program consisted of two tutorials on Sunday, two technical papers sessions on Monday and a PrePress workshop on Monday evening, two papers sessions on Tuesday with a color workshop before the morning session, and two papers sessions on Wednesday morning with a Paper, Ink and Press workshop before the sessions. The social program included a welcome reception on Sunday evening; a meeting of the TAGA student chapters represented at the conference and a reception for the foreign registrants and guests on Monday evening; an Awards reception and banquet on Tuesday evening; and a tour of the George Eastman House on Wednesday afternoon.

The tutorials were so well received at the 1990 TAGA Conference they have become a part of the new TAGA Conference format. This year's tutorials were Digital Image Handling, Black and White Color, and Text by Tony Johnson, Crossfield Electronics, Herts, England; and Factors Affecting Ink Formulation by Jeannette Truncellito, Sun Chemical Co. and Board member, and Mike Bruno, Consultant and TAGA Executive Director. The technical sessions were preceded by a Keynote Address by Hal Gaffin, Kodak Vice President and Manager Graphics Imaging Systems Division who defined the "future not as a place but as check points on the road to progress," and predicted two opposing cultures and languages in the 1990's Computer/Electronics vs. films, plates and presses.

The program consisted of these technical sessions: Session I, Electronics and Desktop Publishing; Session II, Color Definition and Measurement; Session III, Paper and Its Printability; Session IV, Ink.

All the technical papers and reports of the workshops will be published in the annual Proceedings of the Technical Conference which will be available early in the fall and distributed to all TAGA members.

1992 TAGA CONFERENCE

More than ever, this conference location is a great place in which to take some vacation. There is so much to see and do. Look at the snow-topped mountains rising out of the downtown city; tugboats and red-hulled Japanese freighters and sailboats with multi-coloured sails drifting by; seaplanes landing in the city inlet; the golfing, skiing, sailing and fishing.

Our hotel for the TAGA conference is the Bayshore Westin. It is (as the name implies) right on the bay and Stanley Park is also at its doorstep — a wooded park that spreads over 1,000 acres with hiking trails, bicycle paths, tennis courts, gardens, a miniature railway, Canada's largest aquarium (with daily orca and beluga whale shows).

You can be fishing in some of the world's best salmon waters within 35 minutes — or take a plane to a glacier for a champagne lunch — or go whale watching — or go white-water rafting — or go to University of British Columbia for the extraordinary totem pole/war canoe/Indian art display.

Science World features four major gallery areas on science and technology — such as the principles of physics and the nature of energy and matter.

So come to the TAGA conference - April 4th to 8th, 1992 and take some time to enjoy Vancouver, Canada.
At the Annual Awards Banquet held in conjunction with the 1991 Annual Technical Conference at the Rochester Marriott Thruway Hotel on May 7, 1991, three outstanding individuals in the graphic arts industry were presented with the prestigious TAGA Honors Award.

The first presentation was made by TAGA Secretary-Treasurer Herbert Phillips to Sven Ahrenkilde, Senior Research Associate and member of the School of Printing Management and Science at the Rochester Institute of Technology (RIT). Sven received the award for his over 30 years of dedicated service to the graphic arts industry as an advisor and consultant, teacher of hundreds of industry seminars and the Research Methods course in the RIT Graduate School, Imaging Systems Division of Eastman Kodak Company. Brian was chosen by his peers to receive this award for his over 25 years of dedicated service to the graphic arts industry as leader of the research teams that developed the first electronic dot generation (screening) system with conventional screen analysis and produced the first modular scanner, as part of the team that developed the first digital scanner using colorimetric input, as a long time member of TAGA, as chair of its Electronic Prepress Workshop, and as one of TAGA’s past presidents.

The second award was presented by Mike Bruno to Brian Chapman, Director of Business Planning for Electronic Printing Systems, a part of the Graphic Imaging Systems Division of Eastman Kodak Company. Brian was chosen by his peers to receive this award for his over 25 years of dedicated service to the graphic arts industry as leader of the conference were by TAGA principals: two past presidents, its current President, Vice President of Papers and Publications, and a number of the Board of Directors.

Mike Bruno, TAGA’s first President in 1949-1950, presented a one-and-a-half hour keynote paper on Status of Printing in the USA-Post Druga ’90. In fact, Bruno, a non-member of IARIGAI has presented the most technical papers (14) at IARIGAI Research Conferences since 1957. Tony Johnson, Crossfield Electronics, Ltd. (England) and TAGA Board member presented a paper on Optimising Color Reproduction. David Q. McDowell, Kodak, and immediate past president of TAGA gave a paper on Summary of IT8 Color Definition Activity and explained how these standards activities correlate with those in Europe. Dr. Richard S. Fisch, 3M, and TAGA Vice President of Papers and Publications gave a paper on A Designed Experiment To Access The Effects Of Changing Paper Type, Black Ink Toner Level, And Black Ink Solid Density In Conjunction With Different GCR/LUCA Levels, which helps to explain some of the anomalies encountered in GCR printing. John MacPhee, Baldwin Technology Corp. and TAGA past president in 1984, presented a paper on The Application Of Elastohydro-Dynamic Lubrication Theory To The Prediction Of Conditions Existing In Lithographic Printing Press Roller Nips which can help to give us better control of the printing process and its results.

TAGA PRINCIPALS STAR AT IARIGAI CONFERENCE

Five TAGA principals presented significant papers at the 21st IARIGAI International Research Conference. IARIGAI is the acronym for International Association of Research Institutes for the Graphic Arts Industry. Its research conference meets every two years in odd years and it has a management conference that meets in between in even years. The association consists of 27 graphic arts research institutes and associations in Europe, including one in the USSR, three in the USA, one in Canada, and one in Japan.

The 21st Research Conference was hosted by the Graphic Arts Technical Foundation (OATF) and was held at the Vista Hotel in Pittsburgh, Pennsylvania, May 12-17, 1991. Five among the most significant of the 30 papers presented at

(left to right) Chuck Rinehart, Sven Ahrenkilde, and Brian Chapman

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WE ARE PLEASED TO ANNOUNCE THE WINNERS OF THE TAGA STUDENT PAPERS COMPETITION...

Vice President of Technical Papers Dick Fisch (center) presented Mark Montecalvo (left) and Derek Seaton (right) with an award of $1,000 each at the TAGA '91 Rochester Awards Banquet.

This year, the TAGA judges found themselves in a dilemma ... there were two student papers that emerged as winners in the student papers competition - Derek Seaton of Ryerson Polytechnical University in Toronto with his paper on "Trap - A Study of Tint Overprints"; and Mark Montecalvo of Rochester Institute of Technology with his paper on "Experimental Determination of a Device Independent Color Reproduction Algorithm".

We talked briefly with Derek and Mark after their presentations at the conference.

Mark told us that one of his advisors recommended that his project be on something that he had not learned about in school so that he could learn while he researched.

When we asked Mark what the most challenging part of the project was he told us, "...interpreting the graphs, I knew what I did but it was hard to write it so it made sense." He did his project specifically for the TAGA Student Papers Competition but now is going to expand on it by putting his algorithm into the computer to see how it works. In this way, he can use his paper for his Scitex class.

Derek has just helped form the TAGA Student chapter at Ryerson. We asked why he had pushed to get a TAGA chapter and he told us, "In our course we go out to companies for tours to see what's really out there. We only have so much equipment at school. Perhaps the TAGA chapter will open a few more doors." He went on to say that "Information from the TAGA Proceedings has helped with the technical aspects in our courses in the past. The more information we have to draw on, the better."

At RIT, the chapter is well established and Mark has been a member for two years. When asked about the benefits of a TAGA student chapter, Mark told us that, at their TAGA meetings, they have people from RIT and from local businesses come in and speak. Also, "At RIT there is not much opportunity to use the equipment but TAGA chapter students were allowed some privileges. And, at the conferences, you make contacts, and learn a lot of things you may not learn in class."

Update (continued from page 2)

of your new President Ray Prince (GATF). We all need to provide our best support to these folks as they continue the TAGA leadership.

In other changes, Karen Lawrence has replaced John Holtz as Managing Director as of June 1. We wish John well as he pursues other activities, and we welcome Karen to her new position.

Karen has been the TAGA Executive Assistant for a number of years. TAGA is fortunate to have such a capable person available to fill this position.

Many of you may not realize that although I have completed my term as President, I do not get off "scott free". One of the duties of the immediate past president is to serve as the chair of the Nominating Committee. Sooo...I have asked Ray to appoint Tom Dunn and Ian Muir to serve on the Nominating Committee with me (and more names will be added). If you are interested in serving TAGA, or if you want to suggest specific individuals who you feel are uniquely qualified, please contact one of the Nominating Committee as soon as possible.

Our goal is to nominate individuals to the Board and to the officer positions that reflect the makeup and wishes of the membership. Please speak out and let us hear who you would nominate.

The other duty of the Nominating Committee is to propose individuals to the board for consideration as a recipient of the TAGA Honors Award. The criteria the board used in making their final selection is the contribution made by the individual to TAGA or to the industry. Here again, we want your inputs and suggestions.

Thank you all for your support over the last two years. Please provide that same support to the incoming team.

Coming Soon

We would like to start a new column in the newsletter ... and we need your help! The column will be titled, Recent Accomplishments and will be a list of any of our members' accomplishments - books you have had published, patents you have received, articles you have gotten published, presentations you have given at conferences or trade shows (and especially if you talked about TAGA during your presentation).

Send any information on this to Karen Lawrence at the TAGA Office.
**TAGA JOURNAL**

by Dick Fisch

Your votes have been counted and we now have a TAGA Journal. The vote was overwhelmingly in favor of our new publication.

We are now open for contributions to this publication.

The TAGA Journal publishes papers concerning articles, in English, relevant to graphic arts materials, science, engineering and processes associated with graphic arts research and practices. Manuscripts contributed are considered in the following broad categories:

1. Student Papers pre-published in TAGA Student Chapter publications.
2. Overflow papers from the annual TAGA conference (unable to be presented for any reason).
3. Complex Presentations:
   a. Mathematical Complexity
   b. Subject Matter
   c. Pre prints for Editorial Review
4. Color Reproduction and Inserts
5. Educational and processes associated with graphic arts research and practices.

**Deadline for Abstracts:** November 15, 1991

**Topics:**

- Print Evaluation: Laboratory or Pressroom
- Image Analysis: Techniques, Applications
- Printing Problems: Press Contamination, Non-uniformities, etc.
- Printing on Coated Papers
- Alkaline Papers: Printing and Recycling
- Modern Printing Technologies: Computer and Digital, Thermal and Ink Jet
- Future Trends: Papermaking, Printing, Printing Media
- ISO 9000 and Other Standards
- Environmental: Recycling and Related Issues

**Submission Of Material**

Material will be accepted for review from any source. Only original material will be accepted. This rule can be bypassed by the Editor in Chief for extenuating circumstances including, but not limited, to articles never before available in English.

In order to assist in expediting the editorial and publication process, the following guidelines will be observed.

**Blind Reviewers**

All papers submitted will be reviewed for content by the Editor and Editorial Reviewers. Those people who screen the content of the proposed papers are called Reviewers. They are selected by the Editor of the Journal or the Editorial Board for their expertise in the topic of the paper. Usually up to 2 different persons review a submission. The identity of the paper author is unknown to the reviewers, likewise the author does not know the Reviewers' identity. Communication between the author and reviewer is handled by the Journal Staff. Comments on accuracy, style, clarity, commercial content and technical aspects of some papers needing clarification are sent back to the author. Once accepted by the Review Staff papers needing no additional work are accepted as is, otherwise the author is requested to make corrections as noted.

All accepted submissions shall be charged a per page charge of $80. This charge may be waived by the Editor in Chief under extenuating circumstances, including, but not limited to the ability to pay. Our plan is to initially publish one issue per year and increase as papers and finances allow. We anticipate our first issue appearing in the first quarter of 1992. Contact Dick Fisch for instructions to authors.

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**CALL FOR PAPERS**

**INTERNATIONAL PRINTING AND GRAPHIC ARTS CONFERENCE TAPPI/CPPA**

**Place:** Westin William Penn Hotel; Pittsburgh, PA, USA

**Dates:** October 18-22, 1992

**Theme:** Visions and Missions for the 90's

**Visions:** Global and Trans-national

**Missions:** Quality, Environmental Friendliness, Cost Effectiveness

**Contact:**

**Conference Chairman**

T. Sarada

Fitney Bowes

M.S. 26-22

Shelton, CT

06484-8000

(203) 924-3096

FAX (203) 924-3545

**Program Chairman**

Joseph Aspler

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**Sponsored by the Printing and Imaging Committee of the Coating and Graphic Arts Division of TAPPI and the Printing and Graphic Arts Committee of the Technical Section of the Canadian Pulp and Paper Association.**

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**TAGA Newsletter • Spring 1991**
CALL FOR TECHNICAL PAPERS
TAGA ANNUAL TECHNICAL CONFERENCE
VANCOUVER CA. APRIL 1992

Technical papers are now being solicited for the 1992 TAGA Annual Technical Conference. TAGA members and other interested parties alike are invited to submit innovative technical and scientific papers for presentation at this conference.

Papers should emphasize original and unpublished research and development in the graphic arts. Papers of a commercial nature are not encouraged. Papers accepted will be published in the 1992 TAGA Proceedings hardcover book. TAGA is recognized worldwide as the most prestigious and comprehensive literature source on graphic arts science and technology.

Proposed abstracts (~100 words) should be sent on this form or a facsimile of it. Please return this form as soon as possible:

Author(s):

Company:

Address:

City State Zip

Telephone Fax

TITLE:

ABSTRACT:

"Disseminating graphic arts research internationally since 1948."

TAGA Newsletter • Spring 1991
TECHNOLOGY PATRONS RECOGNIZED

Four TAGA Corporate Sponsors were presented with a beautiful walnut and gold plaque displaying a certificate commemorating their status as TAGA Technology Patrons. The criteria for Technology Patron status is a donation to TAGA of $5,000 or more in goods and/or services in any calendar year. The recipients were American Printer, Dunn Technology, Inc., Hallmark Cards Inc., and Raymond J. Prince. Receiving the award on behalf of MacLean Hunter was James Fulcher; for Dunn Technology, Henry Lassiter; for Hallmark Cards, Ed Porth; and for Raymond J. Prince, himself. The Technology Patrons were recognized at the Awards Banquet at TAGA '91 Rochester on May 7, 1991.

1991 TAGA CORPORATE SPONSORS

3M Company
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