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## Materials Research & Manufacturing Section

Betsy Aldridge

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## Materials Research & Manufacturing Section

### Betsy Aldridge, Chair

Members of the Materials Research and Manufacturing Section of the Chemistry Division share information concerning all phases of materials procurement, production, applications, and handling by means of educational activities, cooperative programs, publications, and Section-sponsored events at annual conferences.



In the recent past, our Section has provided programs on manufacturing techniques like Six Sigma. I was thrilled to find a book on how to apply many such tools in the library arena and wanted to be sure I tipped you off to it. The title is *The Library Continuous Improvement Fieldbook: 29 Ready-to-Use Tools*, by Sara Laughlin, et. al., American Library Association, 2003.

Many of the library applications described, though not focused on special libraries, could be fairly easily adapted. Tools covered include affinity diagram, cause analysis, consensogram, fishbone, Gantt chart, histogram, multivoting, paired comparison, pareto chart, parking lot, process behavior chart, scatter diagram and why-why, to name a few. For each tool, the following questions are answered: what is it, why should I use it, when should I use it, and then "examples of use in a library setting" are provided. I especially like their "hints, cautions, and tricks" boxes.

Along these same lines, I noticed an article by Matt Redmond, a Six Sigma Belt for TSYS in the "One Good Idea" section of the February, 2007 issue of *Quality Digest* (QD), entitled "60 Minutes to a Solution." In the first 20 minutes you brainstorm the root cause of the problem using the fishbone and affinity diagram methods, next 20 minutes brainstorm potential solutions and last 20, you prioritize the solutions found using an effort/benefit matrix (choose those in the high benefit/ low effort quadrant, then assign responsibility to see that the priority solutions are handled).

By the way, this same issue of QD released the 2007 Six Sigma Software and Services Directory. You can search it the directory at [http://qualitydigest.com/qdb/html/bg\\_search\\_form.lasso](http://qualitydigest.com/qdb/html/bg_search_form.lasso). Click Login, then enter "search" as both the user name and password.

Now for MRM Section business and news, specifically the Denver conference programs.

The MRM Section is holding a no-host breakfast business meeting Sunday morning 7:30 am at the Delectable Egg. We'll be discussing the

year's progress and plans, as well as electing the 2008 Chair. The MRM Section is a co-sponsor on the Monday morning Hybrid Vehicles program and late Wednesday afternoon IHS Field Trip. Please do join us for these events, as well as for the many exciting DCHE programs and social events. You can "read all about it" at the DCHE website in the programs area. Side note - Division conference attendance figures show that DCHE attendance rose from 117 in 2005 to 147 in 2006. I think this may partly reflect the MRM Section's contribution of attendees as newly part of DCHE. Let's continue our conference participation and even help those numbers grow this year. Denver is a great city.

#### 2007 Leadership Summit

You can read about the Summit on the SLA website and in Information Outlook, so I'll try not to be redundant, but I do want to point out some highlights, from my point of view.

We'll want to keep our eyes on these developments - a CEO luncheon is being planned for Denver for the first time and a forecasting study about the profession is being commissioned. The first keynote speaker, Chip Heath, author of *Made to Stick: Why Some Ideas Survive and Others Die*, provided a great kickoff to the Summit by discussing his six "hooks of successful ideas": Simple, Unexpected, Concrete, Credible, Emotional, Stories. I loaned the book to my manager who loved it (high praise) and immediately used Heath's ideas to very successfully spice up a couple of high-level presentations she was to make which ended up going extremely well. Heath's ideas stuck with her and worked!

Earl Mounts and I had fun during Betty Jo Hibbard's session "Communicating Your Message" while completing the speedy exercise of writing an elevator speech. We chose to write about our Section. We came up with "The MRM Section is the group in SLA which creates librarians who are THE approachable experts on materials and manufacturing research information for their organizations." What do you think, does that say it? What would your speech be for MRM? We'd love to hear it! If you'd like to know more

about the process, just ask (betsy.aldridge@paccar.com).

Dr. Ken Haycock's "Developing Leaders" reported findings concerning predictors of leader success, the highest predictors being their 1) record (what they have done), 2) ability to learn, 3) opportunities to practice, and 4) attitude. He recommended these 2 books: *Now, Discover Your Strengths* by D. Clifton, and M. Buckingham and *The Human Equation: Building Profits by Putting People First* by Jeffrey Pfeffer.

I hope Donna Scheeder's excellent presentation on "Running Effective Meetings" assures us of an effective business meeting at Denver – I'll do my best to follow her wise advice of providing agenda and desired outcomes ahead of time, encouraging everyone to participate, keeping the meeting positive, restating, making assignments, and getting feedback. Donna recommended Donald Kirkpatrick's book *How to Conduct Productive Meetings: Strategies, Tips, and Tools to Ensure Your Next Meeting Is Well Planned and Effective*.

We saw the new and much-needed membership management system – it looks like a significant improvement. Speaking of membership, please remember to select the MRM Section this year when you renew your membership - it is not automatic when you join the Chemistry Division. And you must first join that Division in order to join MRM. We think this issue has been straightened out, thanks to help from Jim Martin, Bette Finn, SLA staffer Jill Calabria, and our fearless DCHE leader, Ben Wagner. Our Section membership is now over 50 strong - thanks, all.

At the DCHE board meeting Sue Cardinal, DCHE Chair-Elect, reported on hot topics under consideration for the 2008 Seattle conference, which has the theme "Breaking Rules, Building Bridges". The following may tickle the fancy of MRM members: Science of Coffee, Nanomaterials / Nanotechnology, Alternate Fuels, E-Notebooks / Data Discovery, Speed Networking, a roundtable of new resources in Materials and Manufacturing with vendors doing demos, Collaboration (with people inside and outside the library space), forecasting the cost of Serials, and Technology Petting Zoo, to name a few. You can read the full minutes on the DCHE website.

### Member News

Earl Mount has provided a first draft of an

MRM Strategic Plan, on the model of the DCHE Strategic Plan, which our volunteer leaders are now reviewing. All MRM members, the DCHE Strategic Planning Committee Chair Linda Shackle, and DCHE officers will get a chance to make suggestions, comments, too, of course.

Nora K. Stoecker has accepted my appointment as 2007 Chair-elect, to augment her 2008 Program Planner appointment. She's been very supportive regarding upcoming 2007 programs and is doing an excellent job with 2008 planning. Most of you have heard from her via email as she's asked for input towards a successful 2008 conference. She is still accepting ideas. She will no doubt provide exciting leadership for our Section in the future. Nora is also hoping a member will come forward to help her with finding sponsors for the 2008 programs. Contact her if you have some input.

Here's a profile she provided.

Nora has more than 25 years of experience working for major consumer goods, research, and high-technology organizations, with over twelve of those years as an information researcher/librarian with a focus on secondary information research for engineering, R&D, scientific and technology-related business planning and problem-resolution.

She is currently a Senior Research Librarian with Sandia National Laboratories in Albuquerque, New Mexico, and also an independent information professional, operating as NKS Info Services (<http://www.nksinfoservices.com/>). In an earlier life she was a human resources and training manager for two large consumer goods manufacturers.

Nora is just rotating off the board of the Special Libraries Association-Rio Grande Chapter and is also a member of the Association of Independent Information Professionals (AIIP) and the Society of Manufacturing Engineers.

There is more to life than work, and in that other life Nora enjoys riding her two Arabian mares, playing with her cats, reading (mostly mysteries), and spending time with friends.

Marty Rhine and Linda Senkus are on the trail of a 2009 program planner. We'll have more news on that next time. If any members have areas of interest to which they'd like to contribute time and energy, let us know.

Bette Finn, MRM membership volunteer, has accepted Chemistry Division chair Ben Wagner's request to assist Division Membership Chair Jim Martin on a task force to make recommendations to the Division board about recruiting new international members. Good luck with that worthy initiative. We could definitely increase our numbers of international members. Please do forward your suggestions to Bette.

One of our newer members, Carol Tower, is working on a review of associations that provide resources on composite information. If you have ideas to share with her on this topic, please contact her. Here's a bio that Carol provided:

Carol Smith Tower has been a member of the Special Libraries Association since 1980. As an active member of the Michigan Chapter, she served terms as President, Director and Secretary. Carol has been information

professional (E-librarian) at the Society of Manufacturing Engineers in Dearborn for the past fifteen years, providing research and reference services for their members and staff. She previously held librarian/information professional positions at Unisys Corporation and Info Search, an information consultancy firm. She also taught history and social studies in the Detroit Public Schools. Carol holds an AMLS from the University of Michigan and an MA in History from Wayne State University. ❖

Betsy Aldridge  
2007 Chair, MRM Section, DCHE



***The Materials Research & Manufacturing Section  
of the Chemistry Division  
Welcomes its New Members***

Richard Behling  
Nalco Energy Services  
R&D  
7705 Hwy 90-A  
Sugar Land, TX 77478

Linda Pauloski  
Dofasco Inc  
Library Resource Ctr  
1390 Burlington St E  
Hamilton, ON L8N 3J5 CAN

Catherine DiPalma  
Saint-Gobain NorPro  
Information Services  
3840 Fishcreek Rd  
Stow, OH 44224-5400

Kathryn Sullivan  
Inco Ltd  
Patents Licensing  
Park 80 W Plaza Two  
Saddlebrook, NJ 07662

Barbara Frautschi  
Frautschi Info Svcs  
645 Neil Ave #202  
Columbus, OH 43215-1637

Courtney White  
ProQuest-CSA  
Research Sales  
9265 Sky Park Ct.  
Suite. 202  
San Diego, CA 92123-4312

Jan Leinweber  
Sait Polytechnic  
Library  
1301 16th Ave NW  
Calgary, AB T2M0L4 CAN

## **2007 Denver Programs - Chemistry Division and Materials Research and Manufacturing Section**

### **Saturday, June 2**

**8 a.m.-5 p.m**

#### **Diving Into Patents CE Course**

Instructors: Denise Callihan, Michael White, Leena Lalwani

Presented by Chemistry and Engineering Divisions

**Ticketed Event**

**8 a.m.-5 p.m.**

#### **Chemistry for the Non-Chemist Librarian CE Course**

Instructors: Bartow Culp, Judith Currano

Presented by Chemistry Division

SPECIAL NOTE: Student Member rate = \$149; seats are limited.

**Ticketed Event**

**6-8 p.m.**

#### **Chemistry Division No-Host Dinner for Early Arrivals**

Facilitator: Bartow Culp, Purdue Univ.

Presented by Chemistry Division

### **Sunday, June 3**

**7:30-9 a.m.**

#### **DCHE Materials Research & Manufacturing Section Business Meeting & Breakfast**

Moderator: Betsy Aldridge, MRM Section Chair, Paccar Inc.

"No-host"/Dutch treat at The Delectable Egg at 16th & Court Place.

**8 a.m.-12 p.m.**

#### **Chemical Information Sources, Requests, and Reference CE Course**

Instructors: Judith Currano, Bartow Culp, Denise Callihan

Presented by Chemistry Division

SPECIAL NOTE: Student Member rate = \$99; seats are limited.

**Ticketed Event**

**9:30 a.m.-12 p.m.**

#### **DCHE Board Meeting**

Sponsor: Springer

**12-2 p.m.**

#### **Newcomers/First-Timers Invitation Lunch**

By invitation only.

Presented by Chemistry, Science-Technology

and Biology Division

Sponsors: Chemical Abstracts Service, American Chemical Society Publications

**1-5 p.m.**

#### **Taking the Bite Out of Substructure and Polymer Searching CE Course**

Instructors: Ted Baldwin, Judith Currano

Presented by Chemistry Division

**Ticketed Event**

### **Monday, June 4**

**7-8:30 a.m.**

#### **Academic Chemistry Librarian Roundtable & Breakfast**

Moderators: Janette Carver, Univ. of Kentucky & Brian Winterman, Indiana Univ.

Presented by Chemistry Division

Sponsors: American Chemical Society Publications

**Ticketed Event**

**11:30 a.m.-1 p.m.**

#### **How Hybrid Vehicles Will Move You**

Speakers: Richard Parish, WestStart-CALSTART; Lee Kemp, Director, DenverRegional Transportation District; Jeff Gonder, National Renewable Energy Lab. Presented by Engineering and Transportation Divisions and Materials Research and Manufacturing Section

Sponsor: Pattera, Inc.

**1:30 - 3 p.m.**

#### **Chemistry Vendor Roundtable**

Moderator: Dana Roth, CalTech

Presented by Chemistry Division

**4-5:30 p.m**

#### **The Science of Beer**

Speaker: Charlie Bamforth, Anheuser-Busch Endowed Professor of Brewing Science, University of California, Davis.

Presented by the Science-Technology, Chemistry and Food, Agriculture and Nutrition Divisions

Sponsors: Royal Society of Chemistry, ACS Publications, Annual Reviews, Chemical Abstracts Service, Elsevier.

**5:30-7:00 p.m.**

#### **DCHE Information Literacy Committee**

**Tuesday, June 5**

**7-8:30 a.m.**

**DCHE Business Meeting/Breakfast**

Sponsor: Royal Society of Chemistry

**Ticketed Event**

**9-10:30 a.m.**

**Collection Development in the Electronic Age** (Papers/panel)

Moderator: Robert Buchanan, Auburn University

Presented by the Chemistry Division

Sponsor: ACS Publications

**11 am – 12:30 pm**

**How to find spectra/crystallography**

Instructors: Elizabeth Brown, Binghamton Univ.; Dana Roth, CalTech

Presented by the Chemistry, PAM and Engineering Divisions

Sponsor: ACS Publications

**7-9 p.m.**

**All Sciences & Engineering Reception**

Denver Firefighters Museum.

Presented by the Science-Technology, Engineering and Chemistry Divisions

Sponsors: ASME, ASTM International, Knovel Corp.

**Ticketed Event**

**8-11 p.m.**

**DCHE Open House**

Byers-Evans House Museum, 1310 Bannock Street

Sponsors: East View, Elsevier

**Wednesday, June 6**

**7-8:30 am**

**Corporate Librarian Roundtable/Breakfast**

Presented by the Engineering and Chemistry Divisions

Sponsors: Elsevier, IEEE

**Ticketed Event**

**11 am – 12:30 pm**

**Poster Session**

**New technologies in instruction & training.**

Organizers: Bill Armstrong, Louisiana State Univ.; Irene Laursen, Wellesley College

Presented by the Chemistry, Science-Technology and PAM Divisions

Sponsors: ACM, Elsevier

**1-2:30 pm**

**Science Education via Graphic Books**

Moderator: Teri Vogel, Univ. of California San Diego

Speakers: Lois Gresh, Univ. of Rochester; Dr. James Kakalios, Univ. of Minnesota

Presented by the Chemistry and Education Divisions

Sponsors: Elsevier, Rittenhouse

**3-4:30 pm**

**IHS Standards Field Trip**

Presented by the Engineering Division and MRM Section

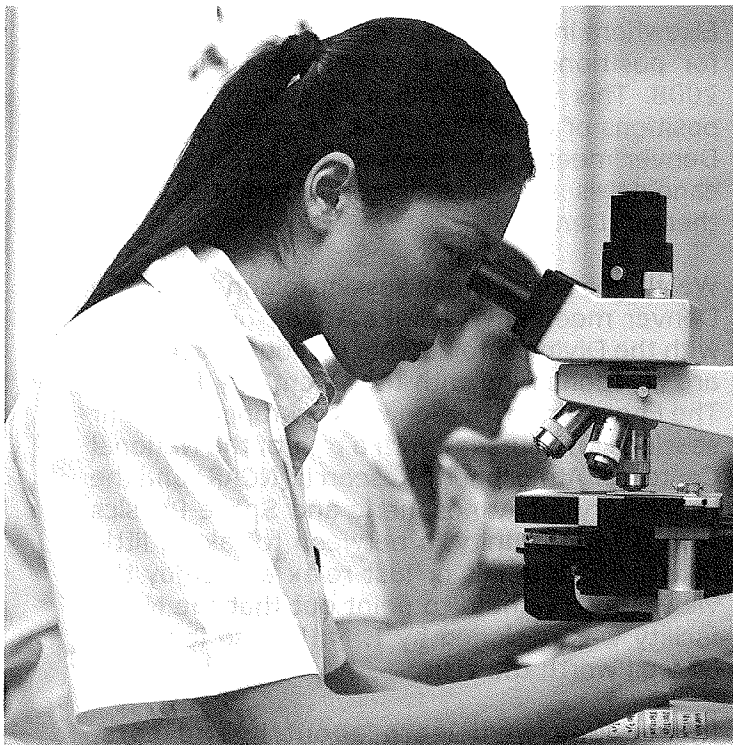
Sponsor: IHS

**Free, but Ticketed Event**

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