
April 2006

Engineering Division

Kathy Nordhaus

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Engineering Division

Kathy Nordhaus, Chair



The objectives of the Engineering Division are to provide an association for those having an interest in library and information science as they apply to engineering and the physical sciences and to promote the use of materials and knowledge for the benefit of libraries and other educational organizations.

The Leadership Conference held in Houston in January was a wonderful time. The sessions were great, the food was great and the Texas Chapter did a wonderful job hosting the conference. Of course, I'm not the least bit biased! This was also the last chance for the Baltimore Program Planners to get together to work out programming issues and logistics. And, there was a great program on Denver which is where we will meet in 2007. But, let's not get ahead of ourselves! We still need to survive Baltimore first!

It is hard to believe that the Baltimore Conference is coming up fast! Jackie Florimonte, Vendor Relations Chair, has done a marvelous job getting program sponsorships for Baltimore. As a reminder, the Division now accepts sponsorships at different levels which are Terabyte (\$1000+), Gigabyte (\$750-\$999), Megabyte (\$500-\$749) and Kilobyte (\$250-\$499). I want to thank the following sponsors for partnering with us on our programs this year. We simply couldn't do it without you. We have received sponsorships at the Terabyte level from AIAA (American Institute of Aeronautics and Astronautics), IEEE (Institute of Electrical and Electronics Engineers) and Morgan & Claypool. The British Library has sponsored us at the Gigabyte level. We have received sponsorship at the Megabyte level from ASCE (American Society of Civil Engineers), IHS (Information Handling Services), SPIE (The International Society for Optical Engineering), Springer and Thomson Scientific. We also received sponsorship from Basch Subscriptions. Please stop by their booths at the conference and thank them for their generosity. Thank you all once again!

Once again, your Division Board has been busy since the last issue of *Sci-Tech News*. Bonnie Osif, Archivist, has been going through the boxes of materials she received and is attempting to

organize them. No easy task, I'm sure! Thanks, Bonnie!

The Awards Committees have been busy sending out the announcements for submissions and selecting recipients of our awards. Our congratulations go to Daureen Nesdill, the FIRST recipient of the new IEEE/Engineering Division Continuing Education Award. Daureen will be using the funds from IEEE to attend a CE Course at the conference and will report back to us.

Congratulations go to Kathleen Weyand, a Master's in Library and Information Science student at the University of Denver, who is the recipient of the Engineering Division/Inspection Travel Stipend Award. The Award is presented to a library student attending their first SLA Conference. Each applicant submits an essay on the topic of the year. This year's topic was on exciting technologies. Kathleen's essay, *Visualize the New Search*, will be read at the Engineering Division Business Meeting, published in *Sci-Tech News* and available from the Engineering Division's web site. Please look for Kathleen and welcome her to what I hope will be the first of many SLA conferences she attends.

It is with regret that I announce that our Chair-Elect, Don Welch, had to resign his office due to personal reasons. We will miss Don's guidance but wish him well. Luckily, Bob Tolliver, current Secretary and Discussion List Chair, stepped forward to take over for Don. The Board was relieved and I know Bob will do a great job! If you are thinking of volunteering or have great programming ideas for Denver, please contact Bob at diabob@umich.edu! The Division will be in great hands!

See you all in Baltimore!❖

Kathy Nordhaus
Chair, Engineering Division

Take a Minute With a New Member

In this and future editions we are going to randomly choose an Engineering Division member to highlight. Please let me know if you would like to have yourself highlighted or have someone to suggest. Contact me at: Cheryl A. Hansen, Membership Chair, Engineering Division, Engineering Systems Inc., cahansen@esi-il.com.

I would like to introduce Maryhelen Jones. She is in charge of the Air Force Research Laboratories VSIL Technical Library at Kirtland AFB in Santa Fe, NM. Maryhelen actually works for International Information Associates, the contractor that runs the VSIL Technical Library. Maryhelen has a staff of 2 professional librarians, 3 assistant librarians and a systems administrator. The Air Force Research Laboratories encompasses nine directorates. The VSIL Technical Library at Kirtland serves two of the directorates, Space Vehicles and Directed Energy.

Prior to coming to VSIL in September of 2005, Maryhelen was the #2 person for the Library

Engineering Division New Members as of March 2006

Jason Craig
Lockheed Martin Aeronautics
Company Research Library
Palmdale, CA

Karen Crothers
Packer Engineering
Naperville, IL

Tanisha Foster
The Aerospace Corporation
El Segundo, CA

Kineret Gable
MPR Associates
Alexandria, VA

Olga Goldin
ECI Telecon Technology Information Center
Petah Tikva, GD ISRAEL

Janiece Green
Southern Methodist University
Cox School of Business
Dallas, TX

Sarah Guy-Newport
Lockheed Martin
Engineering Library
Litchfield Park, AZ

System at Florida State University in Tallahassee, and before that with the College of Santa Fe. Her background is in the social sciences and humanities, but as a librarian she has worked in the administration end of things. Working as a contractor running the VSIL Technical Library has been interesting these last 8 months.

Maryhelen is not a newcomer to SLA. She belonged to the Library Management Division back in the 1990's but then moved over to the Association of College and Research Libraries Distance Learning Division. She has now come back to SLA, becoming active in the Engineering, Military and Museums, Arts & Humanities Divisions.

To keep her busy when not at work she has a retired husband and a family that is scattered across the country. She will be attending the Baltimore conference in June, so we can meet her in person then. Please extend a warm welcome to Maryhelen. ❖

Celia Hukins
BAE Systems
Kidderminster, UK

Deborah Isenhardt
Lockheed Martin
Info Ctr 44
Baltimore, MD

Maryhelen Jones
AFRL/VSIL Technical Library
Kirtland AFB, NM

Patricia Kirkwood
University of Arkansas
Mullins Library
Fayetteville, AR

Sandra Levy
Highland, MD

Sue Marsh
NFPA Morgan Technical Library
Quincy, MA

John McFarlane
Kellogg Brown & Root
Leatherhead, UK

2006 SLA Engineering Division Programs

Saturday, 6/10/2006

1:00 – 5:00 pm

CE Course: Diving into Patents: A Primer for Librarians

Instructors: Michael White, Queen's University, Ontario, Canada & Marilyn Dunker, Proctor & Gamble Company

Presented by Chemistry Division and Engineering Division

The development of the Web has revolutionized how patent information is disseminated and used. Once limited to a few specialized libraries with patent collections or access to expensive commercial databases, patent documents can now be searched and retrieved by anyone with Internet access and a Web browser. Patents are useful for a myriad of business purposes beyond the protection of new technologies. However, patent literature remains a mysterious and intimidating resource for many librarians unfamiliar with intellectual property. This course will cover the basics of patent documentation, classification, and public Web-based search tools. Participants will learn how to identify and interpret the component parts of a patent; use patent classification systems, including indices and definitions, to conduct a basic patent search; and 3) effectively search international on-line patent database systems.

Ticketed event.

Sunday, 6/11/2006

1:00 – 3:30 pm

Engineering and Aerospace Section Executive Board Meeting of the 2005-2006 Board.

All 2005-2006 Engineering Division Executive and Advisory Board members are required to attend this meeting. Other Division members are invited and encouraged to attend!

Monday, 6/12/2006

7:30 – 8:45 am

DCHE & DENG Corporate Librarians Roundtable Breakfast

Join other Chemistry and Engineering professionals for breakfast and a moderated discussion on current professional topics and

concerns.

Moderators: Luray Minkiewicz, E I DuPont Nemours Co. and Mary Crompton, Northrop Grumman Corp.

Sponsors: British Library and Royal Society of Chemistry

Ticketed event.

9:30 -11:00 am

Are Sci-Tech Libraries ready for RFID, and is RFID ready for Sci-Tech Libraries?

RFID – Ready for primetime?

What exactly is RFID? Is RFID a privacy nightmare or an inventory godsend for Sci-Tech Libraries? Is this technology ready for use in Sci-Tech Libraries? What are issues, challenges and potential problems with RFID? What are the benefits, advantages and possible future of RFID?

Moderator: Janet Hughes, The Pennsylvania State University

Speakers: Max C Anderson, VP of Sales & Marketing, Integrated Technology Group and Oleg Boyarsky, President/CEO, Library Automation Technologies, Inc.

Presented by Science-Technology Division, Engineering Division and Information Technology Division

9:30-11:00 am

Visualization Tools for Patents

Mapping the patent landscape: Tools and techniques

This program will explore new software tools and techniques for discovering, displaying and understanding underlying patterns and relationships among patent documents and other forms of sci-tech literature. Topics discussed include "Applying Visual Analysis Tools on Patent and Sci-tech Information to Enhance Innovation at a Global Specialty Materials Company" by Dr. Kerry Brandt; "Overview of Patent Examiner Visual Tools and Map Clustering" by Ms. Laetitia Aymonin; "Thomas Data Analyzer" by Thomson Scientific; and "STN AnaVist" by Mr. Brian Sweet.

Moderator: Michael White, Queen's University
Speakers: Laetitia Aymonin, Questel-Orbit; Dr. Kerry Brandt, Rohm and Haas Company; and Brian Sweet, Chemical Abstract Service

Presented by Engineering Division, Science-Technology Division, and Chemistry Division
Sponsors: Thomson Scientific

9:30-11:00 am

Developing Leaders

Leadership development is about self-development, releasing what's inside of us, what we value, what inspires us and what challenges us, what gives us power and competence, and encourages us. Using this knowledge and understanding then enables us to lead those qualities out of others. This talk provides practical strategies, tips and techniques on how to shape our organizations, build teams, drive results and inspire others to deliver value as well as develop leaders at all levels of the organization.

Moderator: Janice Keeler

Speaker: Dr. Ken Haycock, Director, School of Library and Information Science, San Jose State University

Presented by Leadership and Management Division, Advertising & Marketing Division, Business & Finance Division, Engineering Division, Food Agriculture and Nutrition Division, Pharmaceutical and Health Technology Division, Social Science Division, and Solo Librarians Division

Sponsor: Lexis/Nexis

11:30 – 1:00 pm

Standards Update

Come to the Annual Standards Update (formerly, Standards Roundtable) and hear the latest updates on what is happening in the standards world as well as the latest vendor news. Find out the latest information and give feedback to Standards Developing Organizations. There will be a question and answer session.

Moderator: Randy Reichardt, University of Alberta

Presented by Engineering Division, Science-Technology Division and Petroleum and Energy Resources Division

Sponsors: ASCE, ASTM International and IHS

3:30 – 5:00 pm

Open Access and Institutional Repositories in Sci-Tech and Engineering Libraries

Sci-Tech and Engineering Contributed Papers
Open access to scientific research is often in the news and on listserv communications these days. The topics cover everything from a British plan to build the country's most comprehensive online repository of medical knowledge to the NIH's PubChem project. Will institutional repositories and technical databases in Sci-Tech and Engineering libraries have an impact

on the serials crisis? Is open access beginning to influence collection decisions? What are the implications if libraries don't buy or subscribe to journals and rely on access via open access archives? How aware is the scholarly community of open access issues? Are there unintended consequences of open access for smaller scientific organizations? Can your patrons differentiate between the various flavors of open access journals? Three papers will be presented: 1) "Institutional Repositories: Beware the Field of Dreams Fallacy!" by Sara R. Tompson, Deborah A. Holmes-Wong, and Janis F. Brown, University of Southern California. 2) "Atkinson's Control Zone: Ten Years Later" by Daureen Nesdill, University of Utah. 3) "Open Access Initiatives in India - an Evaluation" by Leila Fernandez, York University. Moderator: Roger Beckman, Indiana University Speakers: Daureen Nesdill, University of Utah; Sara R Tompson, University of Southern California; Deborah A Holmes-Wong, University of Southern California; Leila Fernandez, York University; and Janis F. Brown, University of Southern California

Presented by Sci-Tech Division and Engineering Division

Sponsor: Open Text Corporation

8:00 pm – 11:00 pm

IT Division Open House: Science Fiction, the Future and Libraries (An IT, Engineering and Sci-Tech Open House)

Science Fiction has plenty to tell us about the future of libraries. Join us to hear from leading science fiction authors. There will be time for questions, a booksigning, as well as the usual networking time and refreshments afterward.

Moderator: Stephanie Wical, New Mexico Tech
Speakers: Bud Sparhawk, John C Wright, Tee Morris, John G. Hemry, Michael Swanwick, and Mindy L Klasky

Presented by Information Technology Division, Engineering Division and Science-Technology Division

Sponsors: Dialog and Thomson Scientific

Tuesday, 6/13/2006

7:30 – 9:00 am

Aerospace Section Breakfast and Business Meeting

It is time to join your section colleagues for the annual business meeting and presentation of the George Mandel Memorial Award, sponsored by

AIAA and Dr. David Mandel. Moderator: Marcia Rodney, Ball Aerospace
Presented by Connecticut Valley and Aerospace Section of the DENG

Sponsors: American Institute of Aeronautics and Astronautics (AIAA) and Thomson Scientific

Ticketed event.

11:30 – 1:00 pm

Engineering Business Meeting and Luncheon

Join your Engineering colleagues for lunch and an opportunity to network and attend the annual business meeting, and presentation of our annual awards. Meet the 2006 Elsevier Engineering Information/SLA Engineering Librarian of the Year Award and the 2006 INSPEC Travel Stipend Award recipients.

Moderator: Kathy Nordhaus, Raytheon Company

Presented by Engineering Division

Sponsor: Morgan & Claypool

11:30 – 1:00 pm

Science & Engineering Resources 101: Resources for Materials Science & Computer Sciences

This year in 101, get an overview of resources for materials sciences, and for computer sciences. See how they fit into the life of an engineer or scientist. Our experts then introduce the best resources that help in discovering, obtaining, and working with these types of resources.

Moderator: Nancy A Wilmes, Wayne State University

Speakers: Mary Frances Lembo, Pacific Northwest National Laboratory and James Manasco, University of Louisville

Presented by Science-Technology Division and Engineering Division

Sponsor: ASTM International and Springer

6:30 – 8:30 pm

All Sciences Reception

Network with your peers in a fun atmosphere, the Capitol City Brewing Company, located near the Hyatt Regency Baltimore, at 301 South Light Street, 2nd Floor. Enjoy local microbrews and tasty appetizers. No ticket sales at the door!

Presented by Science-Technology Division, Chemistry Division and Engineering Division

Sponsors: ASME, British Library, Knovel Corporation and SCOPUS/Elsevier

Ticketed event

Wednesday, 6/14/06

7:30 – 9:00 am

Materials & Polymer Properties Update

Come hear about the latest technologies in materials and polymer properties over breakfast.

Moderator: Linda Shackle, Arizona State University

Speakers: Earl Mounts, Alcoa Technical Center
Presented by Engineering Division and Chemistry Division

Sponsors: ACS Publications, Knovel Corporation and Royal Society of Chemistry

Ticketed event

9:15 – 10:45 am

Suddenly Solo: Dealing with Unexpected Downsizing

Has your twelve person department suddenly whittled down to one or two people? Have you changed jobs and found yourself supporting an Information Center on your own? This session is for you! This session will delve into the issues inherent in finding yourself Suddenly Solo!

Presented by: Solo Librarians Division, Engineering Division

Moderated by: Amanda Dingus Kindall, Earthlink and Kathy Nordhaus, Raytheon Company

Presented by: Solo Librarians Division, Engineering Division

Sponsor: Basch Subscriptions

1:00 – 2:30 pm

Value of Information: The Future of Open Access

How does the shift towards increased open access change our users' perception of information, our profession and our organizations? This panel discussion looks at the current and future landscape of the open access movement, and its impact on the end user. Speakers will discuss experience, case studies, and research concerning user perceptions on the value of information that is available for "free" (open access) versus fee (subscription), as well as the value of information that is published in print versus electronic formats.

Moderator: Susan Cardinal, University of Rochester

Speakers: Bonnie Osif, Penn State University; Julia Blixrud, SPARC/ARL; and Rea Devakos,

University of Toronto Libraries
Presented by: Chemistry Division; Physics-
Astronomy-Mathematics Division; Engineering
Division; Science-Technology Division
Sponsors: Elsevier and IEEE❖



SLA2006 Web Sites

The Official SLA Web Site
[http://www.sla.org/content/Events/
conference/ac2006/index.cfm](http://www.sla.org/content/Events/conference/ac2006/index.cfm)

SLA Maryland Chapter's Home Page
<http://www.sla.org/chapter/cmd/index.htm>

SLA Maryland Chapter's Conference Page
<http://www.sla.org/chapter/cmd/balt06.htm>

SLA Maryland Chapter's Blog: Quoth the
Raven... Baltimore
<http://sla-maryland.blogspot.com>

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SLA Engineering Division Nominating Committee Report

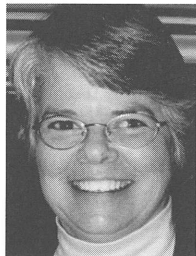
The SLA Engineering Division Nominating Committee is pleased to present the following recommended slate to the membership. This year, candidates are for Chair-Elect, Director, and Secretary of the division. Terms of office for each of these positions commence in January 2007 at the SLA Leadership Summit. The Nominating Committee thanks the candidates for their enthusiasm and willingness to serve. Below you will find biographical information for each candidate.

Respectfully submitted,

SLA Engineering Division Nominating Committee
Cynthia Bennington
Cheryl Hansen
Mary Steiner, Chair

Chair-Elect (to serve a 3-year term commencing January 2007)

Daureen Nesdill



Daureen Nesdill is a Science and Engineering Librarian at the J. Willard Marriott Library, University of Utah. Daureen received her bachelor's degree from SUNY Downstate where she majored in biology and animal sciences. She worked for five years as a laboratory animal technologist at the Berson Research Laboratory, Bronx VA Medical Center. Allergies to animals and Earthwatch trips to Assateague Island, MD and Hawaii convinced her to return to school and study behavioral ecology. Library and teaching assistantships paid for Daureen's zoology graduate program. The library assistantship led to part time positions developing bibliographies on wetlands in Alabama and ozone in the Great Smoky Mountains.

Daureen received her M.S. from Auburn University, but instead of completing a doctorate she applied to the University of Alabama's School of Library and Information Studies. This second masters was funded by an NLM grant to develop a website for the Jefferson County Health

Infonet. Daureen received her MLIS in 2001 and upon graduation worked as interim reference librarian at the Rodgers Library for Science and Engineering at the University of Alabama. In 2002 she bought a Toyota Prius and made the trek across the United States to join the Science and Engineering Library at the University of Utah. Her collection specialties include metallurgy, mining, physics, civil engineering, environmental engineering and chemistry. Daureen is also involved with the Western Waters Digital Library and the University's Institutional Repository.

Daureen joined SLA in 2000 and served as secretary of the student association at the University of Alabama. She attended her first national meeting in Nashville, 2004 where she presented a poster session. Daureen was appointed liaison between ASEE-ELD and SLA-ENG in 2005 for a two year term, making her a member of the SLA Engineering Division's Advisory Board. Daureen served on the Advisory Board of SLA's Environment & Resource Management Division, developed a program for the Government Environmental Librarians Roundtable and presented a paper for the 2005 annual meeting. Daureen will be presenting a paper at the SLA annual meeting in Baltimore.

Director (to serve a 2-year term commencing January 2007)

Joan Dubis



Joan Dubis is a research librarian at the The Boeing Company in Huntington Beach, CA, where she has supported space and aerospace library customers for the past ten years.

Last year, she was honored with the 2005 Elsevier Engineering Information/SLA Engineering Librarian Award for her ongoing, long-term contributions to the Boeing corporate libraries. She is considered by her colleagues and customers to be an excellent engineering librarian, passionate about her research, and known for "going the extra mile" and for keeping customers' needs foremost in every respect.

Joan's attitude of "building bridges, not walls" was particularly evident during the merger of the Boeing/Rockwell/McDonnell-Douglas engineering libraries. She had been actively involved in the strategic planning and process consolidation for that long-term effort, was the original editor/writer of the Annual Report, created monthly web-based articles for the libraries' homepage, was a leader in the creation of a corporate research tracking system, was an original participant in the "Ask-a-Librarian" service, and continues to serve on numerous teams ranging from web redesign to marketing. She led the libraries' participation in Boeing's 2004 Technical Excellence Conference and is an active member of their KM efforts.

Outside of the library world, Joan recently served on the Board of Directors for her local Homeowners Association and is an avid equestrian, volunteering for many equine-related functions within her community.

Joan has been a member of SLA since 1993, has served on Board positions for the local SLA Southern California chapter, is currently the coordinator for the 2006 Elsevier Engineering Information/SLA Engineering Librarian Award, and is an ardent supporter/participant of SLA's virtual education programs. She received her Bachelors degree in Business from the University of Maine and her MLS from San Jose State University.

Secretary (to serve a 2-year term commencing January 2007)

Susan K. Smith



Susan K. Smith began working in libraries in 1972 when she convinced her local branch of the Future Teachers of America Club that they really needed a future librarian of America to join their ranks. From that point on she never looked back. She has worked in school, public, special libraries. Currently Susan is working in academia where she is head of the Shaver Engineering Library at the University of Kentucky in Lexington, Kentucky.

Susan graduated from the State University of New York College at Buffalo in 1980 with a B.A. in geology; she obtained an M.L.S. in 1981 from the University of Pittsburgh, focusing on special libraries. Throughout her career she has worked in numerous research and business libraries including Nordson Corporation in Westlake, OH; Texaco Inc. in White Plains, NY; National Steel Corporation in Weirton, WV and Trenton, MI; and PolyOne Corporation in Avon Lake, OH. She has extensive experience in automating library functions and has supervised the relocation of several libraries.

A member of SLA throughout her career, she is currently a member of the Kentucky Chapter as well as the Engineering, Information Technology, and Sci-Tech Divisions. She is currently serving on the SLA Sci-Tech Division Awards Committee, Public Relations and Diversity committees for the Kentucky Chapter of SLA, and co-editor for the Kentucky Chapter newsletter.

She lives in Nicholasville, Kentucky where she quilts in the winter, weaves baskets in the summer and tends to her Samoyeds, collie and cats in what is left of her free time. ❖

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