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Engineering Division

Bob Tolliver

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Engineering Division

Bob Tolliver, 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 Denver meeting is almost here so you'll find information in this issue on all the Engineering Division events scheduled for the Denver Annual Conference. But first I want to congratulate Sara Tompson, one of our Division's past Chairs, on her election as Vice President of the Library Faculty at USC. Sara will start her term as Vice President in May and take over as President in May 2008. So if you see Sara in Denver, congratulate her on this accomplishment.

While we're on the topic of accomplishments, the Engineering Division has a few Award recipients to announce:

- Michael Peper is the winner of the Inspec Travel Stipend Award. Michael is a Master's of Library Science student in the School of Information and Library Science at the University of North Carolina at Chapel Hill.
- Donna Beck is the winner of the IEEE Continuing Education Stipend Award.
 Donna is currently Engineering Librarian at the Engineering and Science Library at Carnegie Mellon University.
- Sara Davis is the winner of the Elsevier Engineering Librarian of the Year Award. Sara works at Jacobs Engineering in Houston, has been active for many years in the Engineering Division and in the Texas Chapter of SLA and is a very worthy recipient of the Engineering Librarian of the Year Award.

The Engineering Division's award winners will be honored at the Engineering Division Business Meeting and Luncheon, so join us in congratulating these award winners.

Elsewhere in this issue is our slate of candidates for positions in the Engineering Division for 2008. This year we will hold elections for the positions of Chair-Elect and Treasurer after the Denver meeting, so have a look at the slate of candidates and take the opportunity to meet them in Denver.

We've got some great session planned for the Denver meeting. We will start off on Saturday with the Diving Into Patents CE course which we are co-sponsoring with the Chemistry Division. The Engineering Division will be wrapping up our sessions on Thursday with a tour of the National Center for Atmospheric Research (NCAR) and the Laboratory for Atmospheric and Space Physics with an opportunity in between to take a little hike in the foothills or just relax and enjoy the view. I also wanted to point out that the NCAR facility was designed by I. M. Pei, so it should be well worth the visit.

In between we'll learn about hybrid cars, standards, spectra and crystallography information, atmospheric science and earth science resources; we'll hear from a former astronaut and hear how some of our colleagues are responding to the new in their libraries; and we'll have lots of opportunities to meet with our friends and colleagues to have fun and learn. Please take a look through the list of Engineering Division programs, see what interests you, and join us in Denver. You can also find the list of programs online at http://units.sla.org/division/deng/ConferenceSessions.html

Bob Tolliver, Chair, Engineering Division

2007 SLA ENGINEERING DIVISION BOARD CANDIDATES

Listed below are our candidates for office for 2007. Since they will take office in January 2008, elections will follow the Annual Conference in Denver. This will allow you to meet the candidates before the elections. Respectfully submitted,

Respectfully submitted, Kathy Nordhaus

CANDIDATE FOR CHAIR-ELECT

Dee Magnoni Library Director Franklin W. Olin College of Engineering

Dee Magnoni is currently Library Director at Franklin W. Olin College of Engineering in Needham, MA. Dee was hired as the library's first Director in 2002 and had the privilege of setting up much of the services and resources from scratch, including a realia collection that engages several of the students' intelligences.

SLA leadership positions/awards/involvement:

- SLA Boston Past President (January 2007

 January 2008), President (June 2005
 December 2006), President-elect (June 2004 June 2005)
- Professional Development Advisory Council Chair (June 2005 – January 2008), member (June 1998 – June 2001)
- Factiva Leadership Award: June 2004
- SLA Finance Committee member (June 2003 June 2005)
- SLA Board of Directors, Director (June 2001 – June 2003)
- Information Technology Division Past Chair (June 2002 – June 2003), Chair (June 2001 – June 2002), Chair-elect (June 2000 – June 2001), Treasurer (June 1998 – June 2000)
- SLA Nominating committee member (June 1999 – June 2000)
- Information Futurists Caucus Convener (June 1997 – June 2000)
- Rhode Island Chapter Past President (June 1996 – June 1997), President (June 1995 – June 1996), President-elect (December 1994 – June 1995)

Other society memberships: ALA, ASIS&T, ASEE, college representative for IATUL.

Dee previously worked in both business and engineering libraries within corporate America and academia. Previous employers include MIT and Helix Technology Corporation. Dee received her MLS from SUNY-Albany (1992) and her BA

from Lehigh University (1986).

CANDIDATES FOR TREASURER

Elizabeth Grossman Senior Librarian QUALCOMM, Incorporated

Elizabeth is currently employed as Senior Librarian at QUALCOMM, a global telecommunications company based in San Diego. Elizabeth performs research and participates in outreach activities that focus on the company's engineering population. In addition, she creates and maintains web content for the engineers, and co-authored a paper on the information-seeking behavior of engineers in a corporate setting.

Elizabeth held the positions of Secretary and Hospitality Chair in the San Diego Chapter of SLA, and is currently a Director for the chapter. As a Director, she is tasked with planning the Chapter's 2007 Fall Seminar.

Elizabeth received her MLS from the University of Maryland, College Park and also received two BAs from the University of California, Santa Barbara. Prior to working at QUALCOMM, Elizabeth was an information specialist with the National Association of REALTORS in Washington, DC.

Elizabeth looks forward to becoming more involved with SLA at the national level by serving as Treasurer of the Engineering Division.

Andy Shimp Engineering & Applied Science Librarian Yale University

Andy has served as the head of the Engineering & Applied Science Library at Yale University for the past eleven years. While in this position, he has had the opportunity to regularly engage in a variety of duties including administration, collection development, reference and instruction. Andy also participates on Yale committees concerned with the management of electronic resources, collection development policy, Web and database usability, and the development of an institutional repository service. He recently chaired a task force to develop collection space management policies.

Andy has been a member of the SLA Engineering

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Division since 1998, is a member of the SLA PAM Division, and has attended all of the annual conferences since that year. He is also a member of the Engineering Libraries Division (ELD) of the American Society for Engineering Education (ASEE).

In ASEE ELD, he has been elected to leadership positions including Secretary/Treasurer, Program Chair, Division Chair and Past Chair/Chair of the Nominating Committee. Andy coordinated the ELD program for the 2004 ASEE Annual Conference in Salt Lake City, which included a

plenary session and seven technical sessions. He has served on advisory groups for Elsevier Engineering Information's Compendex Scope and Coverage, ACM and Inspec.

Andy is running for Treasurer because he looks forward to the opportunity to become more involved in the Engineering Division. He has enjoyed his previous experience as an officer in ASEE ELD and believes that experience will allow him to make an immediate contribution to the Division. .



Engineering Division New Members as of March 2007

Joanna P. Arnold Slidell, LA

Margaret A. Basket

Knovel

Binghamton, NY

Annette Brahms

Agilent Technologies Inc.

Santa Rosa, CA

Rebekah I. Cerame

Northrop Grumman Electronic

Systems

Baltimore, MD

Ashley M. Conaway Johns Hopkins University Applied Physics Laboratory

Laurel, MD

John Dupuis York University

Steacie Science Library Toronto, Ontario Canada

Kathleen A. C. Fleming Wayne State University

Science & Engineering Library

Detroit, MI

Carol M. Harvey Littleton, CO

Jamie L. Hosek

Fisher Controls International

Marshalltown, IA

Gabriele D. Hysong

Rolls Royce Indianapolis, IN

Susan Issacs-Bright Savannah River Site

Aiken, SC

William Jacobs University of Miami Otto G. Richter Library

Coral Gables, FL

Clifford I. Johnson

McGraw-Hill Aviation Week

Washington, D. C.

Leanne M.Larlham

Nissan Technical Center North

America

Farmington Hills, MI

Janet Ward McDonald Crew-Noble Info Svc

Danville, CA

Delores D. Meglio

Knovel

New York, NY

Kathleen Moll Thomson Scientific

Chicago, IL

Britt K. Mueller La Mesa, CA

Ann H. Sepri

Florida Institute of Technology

Evans Library Melbourne, FL

Sara J. Steen Astoria, NY

Jennifer Sutherland

Oualcomm San Diego, CA

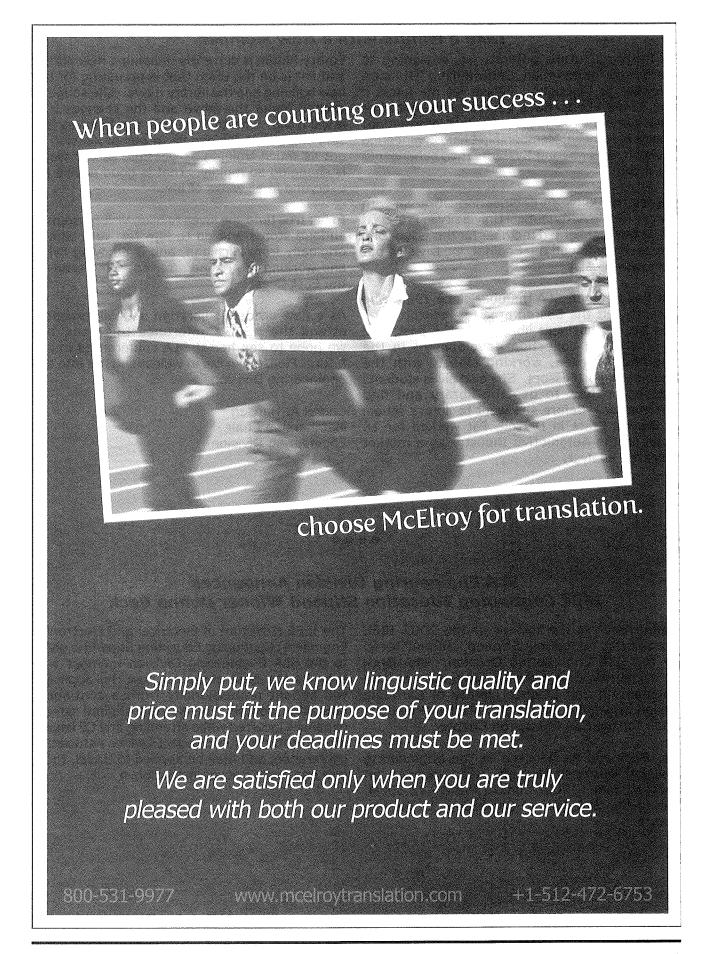
Candace A. Vincent MITRE Corporation

McLean, VA

Patricia A. Watkins

Embry Riddle Aeronautical

University Prescott, AZ



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 information: Cheryl A. Hansen, Membership Chair, Engineering Division, Engineering Systems Inc., cahansen@esi-il.com.

Patricia Watkins, an Engineering Librarian with Embry Riddle Aeronautical University in Prescott, AZ, is our highlighted member for this issue. She has recently joined the Engineering Division but isn't new to SLA.

Pat has been an SLA member since 1999. She recently left the Boston area for Prescott. Pat has been a business librarian in the past, and is now doing collection development in the engineering area, working closely with the engineering professors. She also gives students classes on how to use the library and find information. Before she went to library school at Wayne State in Detroit, Pat worked for 18 years in the Automotive Industry as a market research analyst.

Embry Riddle is currently building a new library and Pat is on the team that is preparing for the new building and the library move. She sounded excited about the move and the changes that it will bring. She told me that she believes it is very important for people in our profession to get as much training as possible as our world is changing so rapidly. That is good advice for everyone in all walks of life.

In her free time she loves to hike, visit museums, antique stores and go to film festivals. She is originally from Michigan, and is enjoying living and working in Arizona after spending time on the East Coast.

As a new academic librarian she will probably attend the ASEE Conference this year, but we hope to see her at SLA conferences in the future. Please join me in welcoming her into the Engineering Division. ❖

Cheryl A. Hansen Membership Chair Engineering Division



SLA Engineering Division Announces IEEE Continuing Education Stipend Winner Donna Beck

Donna Beck is the winner of the 2007 IEEE Continuing Education Stipend, administered by the SLA Engineering Division. Ms. Beck is currently Engineering Librarian at the Engineering and Science Library of Carnegie Mellon University. She is also Student Relations Chair for the SLA Pittsburgh Chapter.

Ms. Beck will be honored at the Engineering Division Business Meeting and Luncheon on Tuesday, June 5, 2007 from 11:00AM - 12:30PM, during the SLA Annual Conference in Denver, Colorado.

The IEEE (Institute of Electrical and Electronics Engineers) Continuing Education Stipend is given to the SLA Engineering Division member who submits the best essay on how the applicant will benefit professionally from a continuing education course. The \$1,000 stipend covers expenses incurred while attending any CE course offered at the annual Special Libraries Association conference, and may be applied to travel, food, and one night's accommodation. •

SLA Engineering Division Announces Inspec Travel Stipend Award Winner: Michael Peper

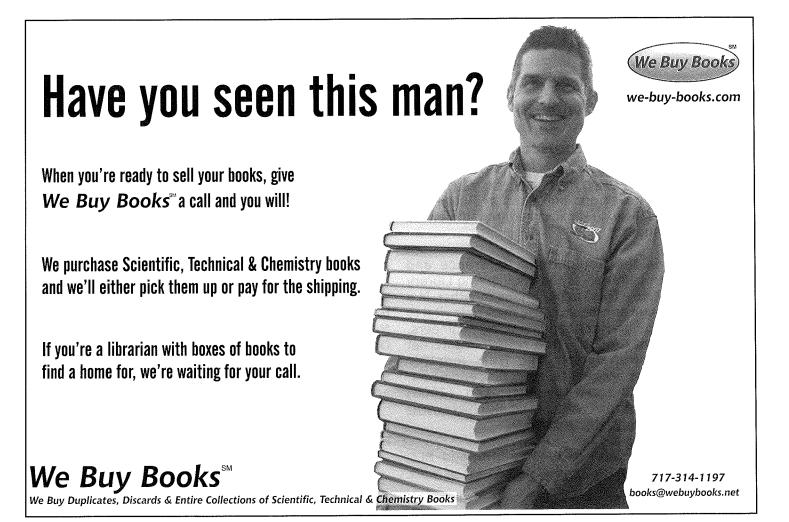
Michael Peper has been judged winner of the 2007 Inspec Travel Stipend Award, administered by the SLA Engineering Division. Mr. Peper is a Master's of Library Science student at the School of Information and Library Science at the University of North Carolina at Chapel Hill.

The topic of the 2007 winning essay is "If you were a Librarian in charge of the science or engineering collections, how would you go about promoting databases within your collection to the appropriate departments that could benefit from them? What could the database producers do to

assist in your efforts (e.g., send you promotional items, etc.). Explain how your efforts will benefit your organization."

Mr. Peper will be honored at the Engineering Division Annual Business Meeting and Lunch on June 5th during the SLA Annual Conference.

The \$1,200 Inspec Travel Award assists library school students toward payment of expenses incurred while attending the Special Libraries Association Annual Conference. •



SLA Engineering Division Announces 2006/2007 Elsevier Engineering Librarian of the Year: Sara Davis

The Engineering Division of SLA is pleased to announce that Sara Davis of Jacobs Engineering in Houston has been selected Engineering Librarian of the Year.

For twenty-five years, Sara has consistently been active within the Engineering Division. She has served as Secretary, Treasurer (three terms,) Membership Chair, Public Relations Chair (three terms,) and Fundraising Chair. She has also been active within the Texas Chapter, serving as their Consultation Officer multiple times, and on the Student/Academic Affairs Advisory Council for three years.

Sara is recognized as someone ready and willing to offer advice and encouragement whenever needed. She embodies the spirit of a

resourceful, helpful, ingenious, intelligent and friendly professional in the field of Engineering Librarianship. She will be honored at the Engineering Division Business Meeting/Luncheon on Tuesday, June 5, 2007 during the SLA Annual Conference in Denver.

The Librarian of the Year Award is sponsored by Elsevier and the Engineering Division to highlight the accomplishments and contributions of members to the engineering librarian profession. Recognition comes in the form of a \$1,500 stipend, a certificate, and a presentation at the Division's Annual Business Meeting and Luncheon held during the annual SLA conference. •



Bonnie Osif Awarded 2007 Best Reference Work Award From the Engineering Libraries Division of the American Society for Engineering Education

Dr. Bonnie Osif has won the 2007 Best Reference Work Award for <u>Using the Engineering Literature</u>, edited by Dr. Osif and published by Routledge, 2006. The following is excerpted from the award announcement.

"Bonnie is the Engineering Reference and Instruction Librarian at the Engineering Library at Penn State. This "tome" brings together, in a sub-discipline approach, those materials vital to engineering librarians and practicing engineers, regardless of format." In a review in Internet Resources Newsletter: The free, monthly newsletter for academics, students, engineers, scientists, and social scientists, 146, (2006) and found at http://www.hw.ac.uk/libwww/irn/irn146/irn146.html#bookreview.

2006 Best Reference Work editor and ELD member Roddy MacLeod states "A lot of work

has gone into compiling this book and the result is an extremely useful reference work [for] all libraries serving engineers of any kind." Using the Engineering Literature proves to be an important, interdisciplinary guide providing engineers and researchers awareness of resources beyond their area of expertise."

We are very pleased to express our congratulations to Bonnie, who was the previous Editor of SciTech News and is currently serving the Engineering Division as Archivist and Mentoring Chair. Thanks to Sue Vazakas of Johns Hopkins University Eisenhower Library for alerting me to this award announcement.

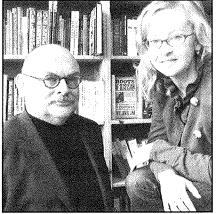
Susan Fingerman Editor, SciTech News

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-Michael Powell, Owner, with daughter Emily Powell

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Powells.com/librarians provides access to each of our six Portland-area stores as well as several volume-filled warehouses. Online ordering is available with purchase order, credit card and Powell's Trade accepted as payment options. A world-class inventory of used and new titles (including out-of-print) and worldwide shipping are some of the amenities you'll enjoy as a Powell's customer.

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How might we help your library?



2007 SLA Denver Engineering Division Programs

Saturday, June 2, 2007

8:00 a.m.-5:00 p.m. Diving Into Patents

Location: Convention Center, Room 704

Ticketed Event #125 Price: \$299 member/\$399

non-member

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. 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; effectively search international on-line patent database systems; and understand how patent data and databases are organized.

Speaking: Denise Callihan, Manager, Library Shared Services, PPG Industries, Inc.; Leena Lalwani, Coordinator for Arts and Engineering Collections, University of Michigan; Michael White, Librarian for Research Services, Queen's University

Presented by: Chemistry Division; Engineering Division

Ticketed Event

Sunday, June 3, 2007

12:00 p.m.-2:00 p.m.

Engineering Division and Aerospace Section Board of Directors Meeting

Location: Hyatt Regency, Room Capitol 3 Moderated by: Robert Tolliver, Engineering Librarian, University of Michigan

Monday, June 4, 2007

11:30 a.m.-1:00 p.m.

How Hybrid Vehicles Will Move You

Location: Convention Center, Room 203 Hybrid vehicles are quickly becoming part of the everyday world as they are used for passenger cars, buses, trucks, locomotives, ports, military applications and more. How the technology works, how it relates to fuel cells, what fuels hybrids can use, how hybrids are produced, and what materials go into their production will influence the mobility of people, goods, and industrial production for the foreseeable future. Participants will get a better understanding of the latest developments in technology, and how the information community can assist with hybrid vehicle deployment.

Speaking: Jeff Gonder, National Renewable Energy Laboratory; Lee Kemp, Director, Denver Regional Transportation District; Richard Parish, WestStart-CALSTART

Presented by: Transportation Division, Chemistry

Division, Engineering Division Sponsored by: Paterra, Inc.

11:30 a.m.-1:00 p.m. Standards Update

Location: Convention Center, Room 605

The annual standards update will provide information on what is happening in the standards world and the latest vendor news. Participants will have an opportunity to give feedback to standards developing organizations. There will be a question and answer session.

Moderated by: Lee Pharis, Manager, Information Resources, Exponent

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

Sponsored by: IEEE, American Society of Civil Engineers

1:30 p.m.-3:00 p.m.

Tom Henricks on Attracting Young People to Careers in Aerospace

Location: Convention Center, Room 401 When former astronaut Tom Henricks became president of McGraw Hill's Aviation Week, the

president of McGraw Hill's Aviation Week, the publisher essentially hired a customer—someone who had in-depth experience with industry data, information products, and services. McGraw-Hill has intensified its laser focus on VOC, or voice of the customer. Henricks flew four space shuttle missions in less than five years to become the first person to log over 1,000 hours as a Shuttle pilot.

Speaking: Tom Henricks, President, McGraw-Hill Aerospace and Defense

Presented by: Engineering Division, Aerospace Section

Sponsored by: SPIE, The International Society

For Optical Engineering, Thomson Scientific, Linda Hall Library

9:00 p.m.-12:00 a.m. Science Fiction Open House

Location: Hyatt Regency, Room Mineral ABC Moderated by: Holly Chong-Williams, Strategic Accounts Manager, Thomson Scientific Corporate Markets

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

Sponsored by: Thomson Scientific

Tuesday, June 5, 2007

7:00 a.m.-8:30 a.m.

Aerospace Section Business Meeting and Breakfast

Location: Hyatt Regency, Room Mineral F Ticketed Event #600 Price: \$10 member/\$10 non-member

Moderated by: Amy Smith, Senior Technical Librarian, Raytheon Company

Speaking: Edna Paulson, Principal Outreach

Specialist, NASA CASI

Presented by: Engineering Division, Aerospace Section

Ticketed Event

11:00 a.m.-12:30 p.m.

Engineering Division Business Meeting and Lunch

Location: Convention Center, Room 505 Ticketed Event #680 Price: \$25 member/\$25

non-member

Meet the 2007 recipients of the following awards: Elsevier/SLA Engineering Librarian of the Year, IEEE Continuing Education Stipend, and the Inspec Student Travel Stipend.

Moderated by: Robert Tolliver, Engineering Librarian, University of Michigan

Presented by: Engineering Division

Sponsored by: SPIE, The International Society

For Optical Engineering

Ticketed Event

11:00 a.m.-12:30 p.m.

How to Find Spectra/Crystallography Information

Location: Convention Center, Room 702
Participants will learn the basics of spectroscopy and crystallography, including what they are, listings and descriptions of the various types, key parameters that scientists are seeking, and the key sources where these parameters can be found.

Speaking: Elizabeth Brown, Binghamton University; Dana Roth, CalTech Millikan Library Presented by: Chemistry Division, Engineering Division, Physics-Astronomy-Mathematics Division

Sponsored by: ACS Publications

2:30 p.m.-4:00 p.m.

Science and Engineering Resources 101

Location: Convention Center, Room 603

This year in 101, attendees will hear an overview of resources for atmospheric sciences, geology, and geography. Experts will introduce the best tools to discover, obtain, and work with resources in these fields.

Speaking: Mary Frances Lembo, Pacific Northwest National Laboratory; James Manasco, University of Louisville

Presented by: Science-Technology Division,

Engineering Division

Sponsored by: ASTM International

2:30 p.m.-4:00 p.m.

Super Searcher Secrets: What Today's Web Researcher Needs to Know

Location: Convention Center, Room Four Seasons 1

How do you approach a research project when you don't know where to start? How do you tap into non-traditional information resources such as social networking services, podcasts, audio, and video files. This session will explore and demonstrate the utility of these diverse data mining tools and their application.

Speaking: Mary Ellen Bates, President, Bates Information Services, Inc.

Presented by: Solo Librarians Division, Engineering Division

7:00 p.m.-9:00 p.m.

All Sciences and Engineering Reception

Location: Denver Firefighters Museum, 1326 Tremont Place

Ticketed Event #720 Price: \$15 member/\$15 non-member

Presented by: Science-Technology Division, Chemistry Division, Engineering Division, Food, Agriculture and Nutrition Division

Sponsored by: Knovel Corporation, ASTM International, American Society of Mechanical Engineers; Thomson Scientific

Ticketed Event

Wednesday, June 6, 2007

7:00 a.m.-8:30 a.m.

Engineering Division and Chemistry Division Corporate Roundtable

Location: Convention Center, Room 501

Ticketed Event #805 Price: \$10 member/\$10

non-member

Moderated by: Mary Crompton, Technical/ Business Librarian, Northrop Grumman Corporation; Luray Minkiewicz, E I DuPont De Nemours Company

Presented by: Engineering Division, Chemistry

Division

Sponsored by: IEEE, Elsevier

Ticketed Event

11:00 a.m.-12:30 p.m. Information Standards—Featuring Web 2.0

Location: Convention Center, Room 405 This session will focus on new directions in the standards world. It will include a discussion of Web 2.0. Many Web services—including RSS, podcasting, blogging, text messaging, and wikis—are affecting the way that libraries do business. The speakers will discuss the guidelines and underpinnings for these advances.

Moderator: Marjorie Hlava, President, Access Innovations, Inc.

Speaking: Kathy Wetzel, National Information Standards Organization; Peter Noerr, MuseGlobal

1:00 p.m.-2:30 p.m.

Contributed Papers: Responding to the New in Sci-Tech and Engineering Libraries

Location: Convention Center, Room 405

- "Making It Theirs: Online Information Literacy Tutorials Designed Specifically to Introductory Science Courses" Eric Resnis, Engineering Librarian, Miami University, Oxford Ohio; Jen-chien Yu, Electronic Information Services Librarian, Miami University, Oxford Ohio
- "Electronic Books: Search and Download in the Life Sciences?," Barb Greenman, Science Library, University of Colorado at Boulder
- "Tracking Climate Change in the 21st Century: Supporting Research with Historic Photographs and Google Earth," Allaina M. Howard, Librarian and Analog Data Archivist, National Snow and Ice Data Center, University of Colorado, Lisa M. Ballagh, Gloria J. Hicks,

and Donna J. Scott, National Snow and Ice Data Center, University of Colorado.

Moderated by: Roger Beckman, Head, Life Sciences Library and Chemistry Library, Indiana University

Presented by: Engineering Division, Science-

Technology Division

Sponsored by: Nature Publishing Group

3:00 p.m.-4:30 p.m. IHS Standards Facility Field Trip

Meet at Convention Center, Lobby D Entrance IHS, Inc. is one of the major suppliers of standards. Learn about its history and current operations. The field trip will cover the network operations center, production, product development, training and marketing, customer support, and other departments. The tour will end at the IHS facility at 4:30 and the bus will arrive back at the convention center at 5:00. To reserve tickets, complete the tour registration form and take to the tour desk in the Convention Center registration area.

Presented by: Engineering Division, Chemistry Division, Materials Research and Manufacturing Section of DCHE

Free but Ticketed Event

4:30 p.m.-6:30 p.m.

Science-Technology Division and Engineering Division Happy Hour

Presented by: Science-Technology Division, Engineering Division

Thursday, June 7, 2007

9:00 a.m.-4:00 p.m.

Tour: National Center for Atmospheric Research and Laboratory for Atmospheric and Space Physics

Meet at Convention Center, Lobby D Entrance Participants will tour of National Center for Atmospheric Research, followed by lunch and a hike in the foothills. The tour will conclude with a visit to the Laboratory for Atmospheric and Space Physics. To purchase tickets, complete the tour registration form and take to the tour desk in the Convention Center registration area.

Presented by: Engineering Division, Physics-Astronomy-Mathematics Division, Science-Technology Division

Ticketed Event*