



Engineering Libraries

Division Newsletter

May 2000

Chair's Message & Annual Report

The 2000 ASEE Conference and Exposition is almost upon us! Wow, that year went quickly! Linda Musser, our Program Chair (and incoming Division Chair) has put together an excellent group of programs for us. Don't forget to attend the Division's Business meeting on Tuesday, June 20, 4:30 to 6 pm. There are three superior candidates for Director this year. If you do not attend the business meeting, you cannot vote. Actually, the best part of the business meeting may be that it immediately precedes our banquet (I hope you remembered to purchase a ticket). John Saylor has worked tirelessly this year to make this year's banquet (at Murphy's Grill) a success.

This year's technical sessions reflect the issues important to us and the environment in which we work. As I talk to members I see that the increase in serials costs continues to be a problem across the country (and around the world). Some collections have been hit hard and e-journals only add to the complexity of the equation.

It has been my pleasure to serve as your chair. Division related activities: phone calls, e-mails and letters have punctuated the year. Some of my favorite correspondence has been in support of member's projects and promotions.

Conversations with Barton Lessin, Wayne State University, on issues of mutual interest to both ASEE/ELD and ACRL/STS have continued. Our discussions focus on forming committees to pursue development of a single statistical survey instrument for both organizations and information literacy standards. I will be able to make a complete report on our efforts to form these committees with ACRL/STS in June.

I look forward to seeing you all in St. Louis.

Sheila Curl
Purdue University
curl@purdue.edu

News from the Program Chair

(Ed. Note – There is a complete schedule of ELD conference events at the end of the Newsletter, prepared by Linda Musser.)

Request from the Incoming Program Chair

(Ed. Note – reproduced from ELDNET-L)

Well, it's still a month away from the start of the 2000 ASEE conference in St. Louis and here I am, as ELD Program Chair for the 2001 conference, bugging you for program and/or paper ideas for next year's conference in Albuquerque. I'm sending this note out not just to members of ELD, but to the wider engineering library community on ELDNET-L. I'd value input not only from current members of ELD, but also from potential new members of the Division.

The ELD Extended Executive Committee will spend a significant amount of time at the 2000 conference doing session planning for 2001. We'll be discussing potential broad technical session topics, more specific individual paper topics and presenters, session moderators for the technical, get acquainted, wrap-up, and poster sessions, and much more.

The best way for us to design a program that is of interest to those likely to attend (that would be many of you, unless I miss my guess) is for that group of potential attendees to tell us what's of interest to them.

I'll be soliciting your input at the conference as well, but here's your opportunity to get the jump on that (and to help keep me from scrambling around trying to pull suggestions together at the last minute at this year's conference).

Take a look at this year's session topics/papers by going to www.asee.org/webmat/, searching under "Engineering Libraries" in the Session Sponsoring Division field, then clicking on individual session numbers to get info about the content of each session (yes, you non-ASEE members can look too). Once you've seen what topics will be addressed in this year's sessions, think about what other topics might be of interest and then pass that info along to yours truly. The more input I get prior to the 2001 conference planning sessions, the better.

Please provide me with whatever info you would like by no later than Monday, June 12. I want to have a chance to compile your suggestions and send them out to the members of the Extended Executive Committee for review prior to the planning sessions at this year's conference. If you forget and put this off until later, never fear, I'll be back closer to June 12th to nag you all again.

Thanks in advance,
Mel DeSart
Program Chair, 2001 Conference

2000 Slate of Candidates

The 1999/2000 Nominating Committee of the Engineering Libraries Division is pleased to present the following slate of candidates for division officers:

for Secretary-Treasurer:

Gretchen Sneff, Head, Engineering and Sciences Library, Temple University.

for Director:

Catherine (Kate) Lee, Marston Science Library, University of Florida

Leslie Reynolds, Siegesmond Engineering Library, Purdue

Andrew Shimp, Engineering and Applied Science Library, Yale University

We thank Gretchen, Kate, Leslie, and Andy for agreeing to be nominated for office in the Engineering Libraries Division. The election will be held at the annual ELD Business Meeting at the ASEE 2000 Conference, Tuesday, June 20.

Beth Brin, Chair
Larry Clemens, Member
Jill Powell, Member

New Member Bios

Linda Whang is the Engineering Librarian at Binghamton University, State University of New York. She received her BS in Biological Sciences from Cornell University and her MLS from SUNY/Buffalo. Before starting this job in July 1999, Linda worked as a health sciences librarian at the University of Michigan for four years. She is looking forward to working with ELD members on issues such as information literacy in science and engineering education.

Angie Locknar is the Science/Engineering Librarian at the Engineering and Science Library, Carnegie Mellon University. She has been at the Library for 3.5 years. Her responsibilities include supervision of the InterLibrary Loan Office and Liaison for Materials Science, Chemical, Mechanical, and Biomedical Engineering. Angie received her MLS from the University of Pittsburgh. Email: locknar@andrew.cmu.edu

Robert Houdek is the Science Reference Librarian and LAN Manager at the Alden Library, Ohio University. He has been with the Ohio University Libraries for 22 years. His responsibilities include serving as Bibliographer for the College of Engineering and Environmental and Plant Biology. Email: houdek@oak.cats.ohiou.edu

Christine Taft is Reference Librarian/Electronic Resources at the Linda Hall Library, Kansas City, MO. She has been in this position about 1.5 years. Ms. Taft received her MLS from the University of Iowa. She also has served as the Biomedical Librarian at the University of Kansas from 1991-1998 and has worked as a technician/assistant in various chemical and biological laboratories. Email: taftc@lindahall.org

People & Places

Steve Gass was invited to speak at the recent IEEE Panel of Technical Editors Meeting in Newark. The theme of the meeting was "Preserving the Value of IEEE Publications in a Rapidly Changing World." Steve's talk was titled "The Crisis in Scientific Communication." After outlining the reasons for the

crisis, Steve highlighted some of the interesting initiatives that have developed in scientific publishing over the last few years and finished by promoting two themes for solving the crisis: de-coupling the peer review process from the dissemination process, and shifting the burden of cost for publication from the reader to the author (and the institutions supporting the author's work). A lively and interesting discussion followed the talk.

Susan Herring will receive a PhD in information studies on May 13 from The University of Alabama

Mark Shelton, engineering librarian at Brown University, and Paige Gibbs, engineering Librarian at UMass-Dartmouth, presented at the ASEE New England Section Annual Conference, April 28-29, 2000, which was held at UMass-Lowell. The session, called "Library Research: Twenty First Century Engineering Tool", was organized by Paige Gibbs. There were two presentations during the session. Mark Shelton presented a talk entitled "Patents: access and application in tomorrow's engineering education." Paige Gibbs presented a talk entitled "Filling it in - Library instruction in an engineering foundation course." Both talks were well received by the attending faculty members.

Publications

"An Analysis of Science-Engineering Academic Library Positions in the Last Three Decades". Nestor Osorio, Northern Illinois University. *Issues in Science & Technology Librarianship*, Fall 1999. Available HTTP: <http://www.library.ucsb.edu/istl/99-fall/>

Library News

Digital Archive Project

On March 28, 2000, the MIT Libraries and the Hewlett-Packard Company announced a \$1.8 million joint project to build a digital archive at the Massachusetts Institute of Technology that could serve as a model for other universities.

The archive will be capable of holding the approximately 10,000 articles produced by MIT authors annually, including a large amount of multimedia content. The project will include articles written by faculty and researchers; technical reports from MIT labs and centers; and other electronic

content deemed valuable by the MIT Libraries or its partners among the schools, labs and centers at the university.

The project is designed to provide seven specific services that are not usually provided by the Web: stable, long-term storage; support for formats beyond HTML; access control; rights management; versioning; community feedback; and flexible publishing capabilities. That means a scholar submitting his or her work would know that it would be available for future colleagues in various formats, protected by access control and rights management, linked to earlier and later versions of itself and capable of attracting feedback.

Annual Reports from Officers and Committee Chairs, 1999-2000

Archives

The archives provided information to the Awards Committee concerning the background of the Homer Bernhardt award that had been requested by Homer's son.

The Archives and Special Collections Department at Northeastern University in Boston contacted me to donate a number of ASEE publications that had come into their possession. After reviewing what they offered, I accepted a 1966 conference program and the 1989 annual conference proceedings. The rest of the items were publications from other ASEE divisions.

Don Richardson
ELD Archivist

Awards Committee

The ELD Award Committee is pleased to announce that the 2000 Homer I. Bernhardt Distinguished Service Award will be presented to Tom Conkling, Head of the Engineering Library at The Pennsylvania State University. Tom's outstanding contributions to the profession have clearly led to the advancement and development of excellence in engineering libraries and he is considered by many to be a mentor of the highest caliber. The following nomination quote encapsulates the feelings of many: "Tom is a fun and valued colleague, a continuing contributor to scholarship in engineering librarianship, and a mentor par

excellence." Tom was the winner of the ELD Best Paper Award for 1999.

The 2000 Best Paper Award goes to Poping Lin for her article "Core information competencies redefined: a study of the information education of engineers ." This article was published in Leading Ideas 11:2-7 (December 1999). Poping is an Assistant Science Librarian at the Massachusetts Institute of Technology.

The Best Reference Award for 2000 goes to The McGraw-Hill Concise Encyclopedia of Science and Technology , Fourth Edition (1998). This is a condensed version of the multi-volume McGraw-Hill Encyclopedia of Science and Technology and it provides "knowledge without extensive detail." It is an invaluable addition to any reference collection. It is published by McGraw-Hill , a Division of The McGraw-Hill Companies, and is edited by Sybil P. Parker.

Once again this has been an enjoyable year for the Awards Committee. Thank you to all who contributed and congratulations to our award recipients. Presentations will be made at the business meeting in St. Louis and we look forward to seeing you there.

Suzanne T. Weiner
Chair, Awards Committee

Electronic Discussion List(s) Editor

The biggest news for both ELDNET-L and ELD-L was the move from the University of Kansas to the University of Washington in April. There is a still a forward on both KU list addresses, so I will receive a notification if anyone tries to subscribe or unsubscribe at the old addresses.

List subscriber statistics for both ELDNET-L and ELD-L (as of late April / early May for each year):

ELDNET-L

Start-up (August 1991): 62
1991/92: 119
1992/93: 187
1993/94: 314
1994/95: 436
1995/96: 477
1996/97: 464
1997/98: 428
1998/99: 423
1999/00: 392

ELD-L

Start-up (September 1998): 169
1998/99: 174
1999/00: 164

As predicted in a previous annual report, the number of ELDNET-L subscribers finally seems to be stabilizing. The drop that appears to exist is based largely on some address clean up begun by the editor added to a small net loss in subscribers. I anticipate that this subscriber base will not vary appreciably over the next few years, although some additional clean up of ELDNET-L may result in an additional lowering in the number of actual active subscriptions.

For ELD-L, the number of ELD members with e-mail addresses directly determines the number of subscribers to the list. Given that a number of retirees retain their ELD memberships but do not have ready e-mail access, the number of ELD-L subscribers will continue to be somewhat lower than the number of ELD members for the foreseeable future. I will investigate the decrease in the number of ELD-L subscribers. Perhaps new members are joining ELD without that information being pass along to me so that I can add them to the ELD-L list.

I'm hoping to see an increase in the use of ELD-L in the coming year. Changes in the Division's by-laws make it easier for Division members, committees and officers to conduct at least preliminary discussion of issues and Division business electronically, which would then lead to more formal actions, such as votes, which would still take place at the annual business meeting.

As listed in last year's annual report but not completed, a project I hope to accomplish during the coming year is to inform every ELDNET-L and ELD-L subscriber of the address under which they are subscribed to each list, with a goal of updating those addresses to more current versions when appropriate. I still spend a significant amount of time unsubscribing and resubscribing individuals whose old addresses or "forwards" from old to new addresses finally go bad.

Mel DeSart
ELD e-lists editor

Membership Committee

As of May 1, 2000, the ELD roster from ASEE headquarters lists 185 members from all over the world, a steady state number from our membership

numbers for the same date last year, and still only 15 away from the Membership Chair's goal of 200 members! This year we have 10 members from Canada, 2 from Portugal, and one each from New Zealand and The Netherlands. This year I concentrated my recruitment efforts on those dozen or so librarians who were members of ASEE but who had not yet added ELD to their divisional memberships to encourage and assist them to amend their ASEE memberships to include ELD membership, as well! I also spend time every year contacting folks who seem to be falling through the cracks to keep them from accidentally dropping their memberships. At the annual conference, we always pick up 5-7 new members who become members as a result of registering at non-member rates. The division's membership remains at an all-time high but that does not mean that we can ever relax in our recruitment efforts -- until we have recruited every last academic engineering librarian throughout the world into our midst! The overarching goal is to ensure that every academic librarian who is involved in engineering or computer science librarianship who wishes to receive the benefits of ELD membership is informed of the opportunity to do so. Deborah Kegel (west coast), Joanne Goode (middle coast), and Eileen Dorschner (east coast) are the current regional biographers of new ELD members in the Division's newsletter.

1999/00 Membership Committee Members: Eileen Dorschner (New Member Bios), Norma Godavari (Canadian Liaison), Joanne Goode (New Member Bios), Deborah Kegel (New Member Bios), Andy Stewart (Membership Directory Editor), F. Orion Pozo (Chief Scout), Fred O'Bryant (Member Emeritus) and Glee Willis (Chair)

Glee Willis
Membership Committee Chair

Newsletter

Four issues of the Newsletter were produced this year and distributed electronically. The publication is now distributed as a pdf file, which can be handled by everyone on the mailing list. No paper copies of the Newsletter are currently being distributed.

Tom Conkling
Newsletter Editor

Publications Committee & Subcommittee on Literature Guides

The Publications Committee reviewed and made recommendations on 6 papers for publication in the ASEE Proceedings (a record number of submissions.)

The Union List of Technical Report, Standards and Patents, 4th ed. is now for sale for \$17 (members) or \$20 (nonmembers). It was publicized on several listservs and sent to E-Streams for review.

Ann Ward and Andy Shimp, Co-chairs of the Subcommittee on Literature Guides report that:

Terry Lee (Ann Arbor, MI) completed the Literature Guide on Nuclear Engineering as her "swan song" - she is now retired! The guide will be published within a couple of months.

Four guides were assigned to compilers :
Biomedical Engineering (Andy Shimp),
Chemical Engineering (Ann Ward),
Computer Engineering (Gordon Dutrisac),
Industrial Ergonomics (Nestor Osorio).

Ideas for topics for literature guides - or new members to join the Subcommittee are always welcome: please contact Ann or Andy.

Godlind Johnson
Publications Committee Chair

Union List of Technical Reports, Standards, and Patents in Engineering Libraries

The 4th edition of the Union List of Technical Reports, Standards, and Patents in Engineering Libraries (UL) is now available for purchase from the American Society for Engineering Education. The Union List has updated holdings of 44 libraries including eight new organizations. In addition, many World Wide Web URLs for both source organizations and contributing libraries are included. The Union List is priced at \$17.00 for ASEE members and \$20.00 for non-members, plus \$3.00 shipping and handling. To order copies, contact:

American Society for Engineering Education
1818 N Street, N.W., Suite 600
Washington, D.C. 20036

(202) 331-3526
 or e-mail Paula Whitley-Aiken at
p.whitleyaiken@asee.org

The Subcommittee has 6 members. Alan Gould from the University of Nebraska - Lincoln; Bruce Neville, University of New Mexico; Mona Mosier, Los Alamos National Laboratory; Chandra Heller, University of Washington; Doug McGee, Princeton University; Greg Raschke, Georgia Institute of Technology; Janardan Kulkarni, University of Louisville; and Mary Schlembach, Subcommittee Chair, University of Illinois at Urbana-Champaign.

The Subcommittee would like to thank all the organizations that participated in the 4th edition of the Union List. I would also like to thank the subcommittee members that worked on the new edition.

Mary C. Schlembach
 Subcommittee Chair
 Union List of Technical Reports, Standards,
 and Patents in Engineering Libraries

Secretary/Treasurer Annual Report

The ASEE fiscal year runs October through September, so what you will see below are numbers from parts of two separate fiscal years. Also note that our Operating Account budget this year is smaller than in previous years.

ELD OPERATING ACCOUNT

The Operating Account is replenished annually by Headquarters and funds cannot be carried over from year to year. Guidelines for the use of the Operating Account were broadened at last year's annual meeting to encompass more than its historical use, which was for division communication costs, such as for the newsletter, the membership directory, or postage.

Budget summary for FY 1998/99 (ended September '99):

	<u>Debits</u>	<u>Balance</u>
Allotment		\$800.00
Awards Committee expenses	\$ 90.51	\$710.49
Program chair and speaker expenses	\$356.17	\$353.32

Budget summary for FY 1999/00 (October '99 – March '00)

Allotment		\$715.06
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(no OA expenses yet this fiscal year)

ELD BASS ACCOUNT (BASS = Banking and Accounting Services System)

The BASS account contains the accumulated funds of the Division. These funds are carried over from year to year and do earn interest.

Budget summary for FY 1998/99 (ended September '99):

	<u>Credits</u>	<u>Debits</u>	<u>Balance</u>
Beginning balance			\$8345.33
Membership and Division dues	\$ 415		
Interest	\$ 90.63		
Contributions to annual banquet	\$ 800		

Meal tickets for annual banquet	\$3060		
On-site meal ticket purchase	\$ 45		
Banquet expenses		\$3990.72	
AV costs		\$ 51.42	
EEC breakfast meeting		\$ 139.97	
Officer expenses at annual meeting		\$ 245.19	
Speaker expenses		\$ 365.75	
Totals	\$4410.63	\$4793.05	\$7962.91

Budget summary for FY 1999/00 to date (October '99 – March '00)

			\$7962.91
Membership and Division dues	\$ 420		
Interest	\$ 92.71		
Totals	\$ 512.71		\$8475.62

Report submitted by Mel DeSart, ELD Secretary/Treasurer

Engineering Libraries Division Program for ASEE 2000

Saturday, June 17

7:15 p.m. Early Birds "social"
 Meet in the lobby of the Mayfair Hotel (806 St. Charles St.)
 Groups will depart around 7:30 to local eateries and sights

Sunday, June 18

10:30 - Noon ELD Extended Executive Committee Meeting (0341)
 Adams Mark, Director's Row 42

12:30 - 4:15 Field Trip to Cahokia Mounds (0441)

6:30 - 10:30 Jungle Party at the St. Louis Zoo (otherwise known as the picnic!)

Monday, June 19

8:30 - 10:00 Plenary "Engineering Education Beyond the Millenium"
 Convention Center, Lecture Hall

10:30-Noon Get Acquainted Session (1341) - Amy Van Epps, moderator
 Convention Center, Room 266

12:30 - 2:00 ELD Technical Papers Session (1441) - Jennifer Edelman, moderator
 Convention Center, Room 124
"Electronic Theses and Dissertations at Virginia Tech: A Question of Access" -
 Larry A. Thompson
"Providing Access to Locally Generated Databases over the Web" - Mary C.
 Schlembach
*"SPARCing Change in Engineering Journal Publishing - Results of the ELD-
 SPARC Project"* - Mel DeSart

2:30 - 4:15 ELD Poster Session (1541) - Leslie Reynolds, moderator
 Convention Center Exhibit Hall

"Evolving Libraries and Computer Centers" - James A. Van Fleet
"Patterns of Engineering Collection Circulation After A Major Move" - Frank E. Elliott
"Sci/Tech Faculty and the World Wide Web" - Susan D. Herring
"Trends in Science-Engineering Libraries Web Sites " - Nestor L. Osorio
"Using patents in the engineering curriculum" - Charlotte A. Erdmann
"Value added - Library session at an ASEE Regional meeting" - Paige Gibbs
 4:30 - 6:00 Innovations and Ideas Exchange (1641) - Mary Schlembach and Greg Raschke, moderators;
 Convention Center, Room 267

Tuesday, June 20

8:30 - 10:15 Issues in 21st Century Libraries (2241) - Gordon Dutrisac, moderator
 Convention Center, Room 280
"More than bells and whistles: Linking libraries to the new millenium" - Carole Houk
"Preserving the Records of Engineering: The Linda Hall Library Enters the New Millenium" - Kelly Dugan
"The FBI's role in Infrastructure Protection and Computer Crime" - William Francis
"The application of emerging information technologies: Wireless Computing, XML, and the Library as Function" - William Mischo
 10:30 - Noon Libraries and the Engineering Curriculum (2341) -Mark Shelton, moderator
 Convention Center, Room 265
"Engineering Design: The Information Component" - James Van Fleet
"Information Literacy Competency Standards for Higher Education: An Opportunity for Engineering Education" - Barton Lessin
 12:30 - 2:00 Engineering Data Resources (2441) - Tom DePetro, moderator
 Convention Center, Room 122
ESDU, ASM International, and CRC products
 2:30 - 4:15 Collections Issues Forum (2541) - William Mischo, moderator
 Convention Center, Room 124
 4:30 - 6:00 ELD Annual Business Meeting (2641)
 Adams Mark, Directors Row 25
 6:30 - ?? ELD Banquet (2741) - John Saylor, organizer
 McMurphy's Grill, 614 N. 11th Street (231-3006)

Wednesday, June 21

8:30 - 10:00 Influences of the World Wide Web (3241) - Tom Volkening, moderator
 Convention Center, Room 264
"Development of the National Digital Library for Science/Math/Engineering/Technology Education: Lessons Learned from NEEDS" - Brandon Muramatsu
"Engineering Information Literacy via the WWW" - John Matylonek
"Righting the Wrongs: Mistakes Made in the Virtual Classroom" - Leslie Reynolds
 ELD Extended Executive Committee meeting, part 2 (3240)
 Adams Mark, Directors Row 23
 10:30 - Noon Choice of three mini-plenaries in the Convention Center
 12:30 - 2:00 Focus on Electronic Books (3441) - Linda Martinez, moderator
 Convention Center, Room 121
24x7, ION, and e-books
 2:30 - 4:15 Professional Issues Forum (3541) - Deborah Kegel, moderator
 Convention Center, Room 267
 7:00 - ?? Cardinals Baseball Game - Mel Desart - organizer