Engineering Libraries Division Newsletter

❄ ❄ ❄ **December 2006** ❄ ❄ ❄

Message from the Chair
Kate Thomes

ELD is a division of the American Society for Engineering Education. Its mission is "to promote and strengthen the role of the library as an integral part of engineering education."

http://eld.lib.ucdavis.edu/

It's hard to believe that the Fall Term is nearly over and we're already half way towards the next annual ASEE/ELD conference. Jay Bhatt along with support from our PIC IV Chair, Mary Anderson-Roland, has been hard at work mapping out what looks to be a very strong program for the Hawaii conference. I'm happy to report that once again ASEE accepted ELD's Distinguished Lecturer proposal and that we'll be sponsoring a mini-plenary address by Clifford Lynch. Many thanks to Dorothy Byers for suggesting him as a speaker and for her work on preparing the proposal. Clifford Lynch is the director of the Coalition for Networked Information (CNI) and received the Homer Bernhardt Distinguished Service Award from ELD in 1995. It will be great to welcome him back to ELD and to ASEE in Honolulu.

As far as additional conference developments, I'll let Jay tell you more in his Program Chair's report (see page 2). Also, please note the reports from ELD committees describing their efforts, accomplishments, and plans. ELD is fully engaged in a broad range of activities supporting engineering librarianship and engineering education as a whole.

In other ELD news, Angie Locknar and Nancy Linden are working on developing an ELD website to house and share library instruction materials. They are working with webmaster Bob Heyer-Gray to determine the best format for this info-lit site. Nancy and Angie will be asking ELD members for input and contributions to this site in the coming months so watch your email for messages from them.

In 2007 the following committees need to have their current chairs reappointed or have new chairs appointed:

Accreditation and Standards	Mentoring
Archivist	Newsletter
Electronic Discussion Lists	Literature Guides (subcommittee of Publications
JSTOR Task Force	Committee)
Membership Directory	Scholarly Communication Committee

If you would like to chair any of these committees please send me an email briefly describing your interests. I will then work with the Executive Committee to make new appointments shortly following the ELD Elections in the spring. Even if you tried before and did not get appointed, please try again if you're interested. This could be your year!

For a complete description of each committee just follow the links to the ELD Bylaws from the ELD Homepage at *http://eld.lib.ucdavis.edu/*.

The next six months promise to be busy with preparations for the conference in Honolulu, planning travel and – hopefully for many of us – some vacation time in Hawaii following the conference.

In the meantime I wish all of you a great end of fall and a peaceful holiday season.

Kate Thomes
ELD Division Chair 2006-2007
kthomes+@pitt.edu

Conference Program Update

ELD Program for Honolulu, June 2007

Since the abstract submission opened on August 9th, I was excited and thrilled whenever I saw an abstract submitted in Smoothpaper. Although during the initial period of abstract submission, my excitement soon turned into anxiety as only six abstracts were submitted just one week prior to the deadline. Honestly, I was little nervous – just the thought of not having enough abstracts was enough for me to be anxious about the future of our part of ASEE conference in Hawaii. I found out this was typical, however, and fortunately by the time the submission period ended, we had 33 abstracts submitted. The program committee extends its appreciation to all of you who have submitted abstracts, and for being willing to share your ideas and presentations with the ELD membership during the conference next year.

I requested seven sessions; all sessions were accepted although Ted Baldwin's *Thinking Ahead and New Technologies* had to be kept on Monday Morning at 7 am. Even though I requested the Business Meeting for Tuesday at 8:30 am, I was given a 7:00 am slot instead. Unfortunately, we will have to go with what we have been given, otherwise we face losing a session. Other sessions include: Alice Trussell's *Disaster Preparedness*, Stephanie Hartman's *Business Information*, Kathryn Kennedy's *Mentoring Panel,* Darcy Duke's *Marketing and Outreach* with a theme of *Making Connections*, Cecelia Mullen's *Open Access Communication*, and Susan Boyd and Diana Wheeler's *Course Management and Information Assessment*. The SIG Get Acquainted session is in the process of being planned and more information will be made available on the ELD mailing list.

As Kate Thomes has reported in her Division Chair's Report, ASEE has accepted ELD's Distinguished Lecturer proposal – a mini-plenary address by Clifford Lynch. In addition, ASEE also accepted Kevin Drees and Barbara Williams' workshop proposal on *Assessment and Life Long Learning*. This workshop will demonstrate that lifelong learning can be impacted upon by teaching students to locate and use information appropriately in the context of an engineering course. We hope that engineering faculty members can take advantage of this workshop by using the knowledge gained towards preparing ABET documents for accreditation in their respective institutions. ASEE also accepted Bob Schwarzwalder's proposal on the *Greenstone Digital Library.* This workshop will be conducted by Martha Chantiny, Librarian and Head, Desktop Network Services, at the University of Hawaii, Manoa. Greenstone is used globally and can export data to institutional repository systems such as DSpace. It provides a practical tool to support research and education in the digital environment.

I am sure Mel's information on his fun loving CUEBALLS events will soon make their appearances on our ELD mailing list. I hope that ELD members will participate in such events and I think they will provide ample opportunities for us to network.

In addition to our technical sessions we will have the full complement of business meetings and receptions to allow new and long-time members to meet and converse, to conduct the business of the division, and to allow committees to meet face to face for a scheduled period on Tuesday afternoon. On Wednesday, June 27th ELD's poster session will be held at 8:30 am followed by Clifford Lynch's Mini-plenary. The Preliminary program is now available on the ELD web site at *http://eld.lib. ucdavis.edu/conf/conf07.php.* Many thanks to Bob Heyer-Gray for quickly putting up this web site for the program.

I hope that next year's will be another stimulating and rewarding program. ELD members play a pivotal role in making our program a success. My thanks to the Program Planning Committee consisting of Kate Thomes, Jill Powell, Larry Thompson, and Amy Van Epps, whose feedback and valuable support helped me survive the first phase of program planning.

Jay Bhatt
ELD Program Chair 2006-2007
bhattjj@drexel.edu

News from the Nominating Committee

The nominations committee is pleased to announce that so far we have the following candidates:

Director:
James Van Fleet, Linda Whang

Secretary/Treasurer:
Bruce Neville, John Teleha

Pictures of the candidates and their statements will be on the ELD website by February. Voting will be online as in previous years.

Any member of the Division may make additional nominations until the first Friday of March, provided the consent of the nominee has been obtained. Additional nominations should be sent to the chair of the nominating committee, Jill Powell, jhp1@cornell.edu. The other members of the nominating committee are Paige Gibbs and Bob Heyer-Gray.

Thank you to all the nominees!

Jill Powell
Nominating Committee Chair
jhp1@cornell.edu

Awards Committee Call for Nominations

The ELD Awards Committee is seeking nominations for three annual awards. (The fourth award - Best Poster - is decided at the Annual Conference and Exposition in June 2007.) Nominations are an essential part of the awards process. The committee welcomes input from engineering librarians and other colleagues.

Pop Quiz! Ask yourself the following:

- Did you write an engineering information related paper/book in 2006?
- Have you read an excellent engineering information related paper/book written in 2006?
- Have you purchased or reviewed a significant engineering information related reference work written in 2005 or 2006?
- Do you know someone who deserves to be recognized for his or her "Distinguished Service" to ELD and/or engineering information?

If you answered "Yes!" to any of these questions, please take the time and effort to nominate each item you said "Yes!" to. Please feel free to nominate more than one worthy candidate! The awards are listed below along with basic summaries and their respective requirements. A link to the ELD Awards web page is also included. Send all nominations via regular mail and/or e-mail to:

John C. Teleha
Chair, ELD Awards Committee
F.D. Bluford Library
North Carolina Agricultural & Technical State University
1601 East Market Street
Greensboro, NC 27411
teleha@ncat.edu

Please take note of the February deadlines. Prior to 2005, the committee began their work after nominations were received at the end of March. The change to the middle of February reflects the need to have the committee finish its work on these three Awards *before* March 15th.

1. HOMER I. BERNHARDT DISTINGUISHED SERVICE AWARD - Each year at the ASEE Annual Conference, the Engineering Libraries Division presents an award, consisting of a plaque that recognizes work that contributes to the advancement and development of excellence in engineering libraries. Membership in ASEE is not a requirement for this award. Award nominations must include the name, title, and contact information of the nominee and nominator, nomination rationale statement, and curriculum vitae of the nominee. The rationale statement should not exceed 700 words and should clearly indicate why the candidate is being nominated for this award. Letters of support from individuals besides the person making the nomination may be included.

Deadline for Nomination: February 8, 2007

2. BEST PUBLICATION AWARD - The purpose of this award is to honor the best new paper or non-reference monographic work in engineering information published during the year 2006.

Criteria:
1. Single or multiple authors are eligible. Works authored by Awards Committee members are ineligible during the members' term of service.
2. Work must have been published during the year prior to the year in which the award will be made.
3. Work should represent a significant contribution to the field of engineering information. Work should be scholarly, show evidence of thorough research, documentation, and critical evaluation. It should be clearly written and well organized.

Deadline for Nomination: February 8, 2007

3. BEST REFERENCE WORK AWARD - The purpose of this award is to honor the best new reference work in engineering information.

Criteria:
1. Single or multiple authors are eligible. Works authored by Awards Committee members are ineligible during the members' term of service.
2. Reference works must have been published/released during the previous two years prior to the year in which the award will be made.
3. Reference works should represent a significant contribution to the field of engineering information.
4. Works in all media are eligible.

Deadline for Nomination: February 8, 2007

The ELD Awards web page (*http://eld.lib.ucdavis.edu/awards.php*) has detailed information on each award as well as a listing of past recipients.

Remember! Your participation in the nomination process is essential to keeping the Awards a vital part of ELD. Without your nominations, we run the risk of missing the "Best of the Best!" Thank you all for your time and effort.

John C. Teleha
Chair, ELD Awards Committee
teleha@ncat.edu

People & Places

Of interest to the ELD-ers may be the fact that the University of Southern California Libraries, after ten years of a joint venture with the Information Services Division, are now back to what we used to be-- the USC Libraries. For this, the librarians seem to be more in control of the libraries, the services and the collections that we provide. The technology part has emerged as an IT department headed by a professor in EE whose title now is Vice Provost for Information Technology. Some of the former staff remained in the new organization, others have ventured elsewhere. The relationship between the Libraries and IT is very collaborative.

Najwa Hanel
University of Southern California
nhanel@usc.edu

Tom Volkening recently published the following article:

Volkening, Tom.(2006). Society of the Quarter - Seed Savers Exchange. Journal of Agricultural and Food Information, 7 (2/3), pgs 3-15. *http://jafi.haworthpress.com*

He also reports that the Michigan State University College of Engineering will be celebrating its Centennial in 2007 and he will be on the committee that is planning the celebration.

Bob Houdek recently published the following paper which was also a conference presentation with Chang Liu, an Assistant Professor of Electrical Engineering and Computer Science at Ohio University:

36th Annual Frontiers in Education Conference. San Diego, CA October 28-31, 2006. "Teaching Computer Science Graduate students Scholarly Literature Review Techniques." Chang Liu and Robert Houdek.

Kate Thomes was recently featured on the University of Pittsburgh's School of Engineering home page. Read about Kate and the Bevier Engineering Library at *http://www.engr.pitt.edu/news/featured/thomes.html*.

A number of ELDers contributed chapters to the new reference work *Using the Engineering Literature,* published by Routledge in August 2006. Bonnie Osif (Pennsylvania State University) edited this publication.

Tom Conkling
Pennsylvania State University

A spectacular new, completely redesigned and expanded Engineering Library at the University of Auckland, New Zealand opened its doors on 5th September, 2006. The new Engineering Library is nearly 3 times the size of the previous Library at 2808 sq metres (it was 1030), has 2 and a half floors, 330 seats (there were 195) and 73 PCs (there were 14 PCs) including those in the new library computer training room. There are 3 group study rooms, an audiovisual room that will hold 20 people, a teaching/meeting room, a self-issue machine; an architecturally designed new book display and a glass lift between library floors that talks. The students are enjoying the much-admired new facilities in this wonderful new environment. Interestingly, the most popular facility is the group study rooms, followed closely by the computer training room that students may use when classes are not in progress.

To view photos of the new Engineering Library, see *http://www.library.auckland.ac.nz/about/gallery/?gid=9*.

Patsy Hulse
University of Auckland
p.hulse@auckland.ac.nz

The Engineering Library at the University of Auckland

ELD Authors

Check out ELD's new **Paper Review Service** for feedback on your draft papers! For more information, see the ELD Mentoring Committee's Report on page 6.

New Members

Charles H. Smith is Professor of Library Public Services and Science Librarian at Western Kentucky University in Bowling Green, where he provides liaison and reference services and selects materials for the University's science and applied sciences departments. Smith has a B.A. from Wesleyan University, M.A. from Indiana University, M.L.S. from Pitt, and Ph.D. (in geography) from the University of Illinois Champaign-Urbana, and has now been at WKU for nearly twelve years. He has published three books, several dozen articles and nine websites on biographical, historical, bibliographic and theoretical matters connected to subjects such as popular and classical music, biogeography and evolution, and the history and theory of science.

Lori Gluckman is Head of Technical Services and Collection Development at the Stephen B. Luce Library at the State University of New York, Maritime College. She coordinates acquisiton of resources in Science, Engineering, Naval Architecture, Marine Transportation/Business Administration, Marine Environmental Science, and the Humanities. Her previous experience includes work with health sciences and special libraries, including New York University's Ehrman Medical Library, the Anti-Defamation League's Rita and Leo Greenberg Library, and Winthrop-University Hospital's Hollis Health Sciences Library. Additionally, she has served as program coordinator for the Westchester Graduate Campus of the Palmer School of Library and Information Science of Long Island University. Prior to earning her MLS at City University of New York at Queens College, Lori received an MA in Health Administration at Hofstra University and a BA from the State University of New York at Binghamton.

Edward Eckel began his position as Engineering and Applied Sciences Librarian at Western Michigan University in mid-August of this year, and he joined ELD in September. He previously worked as a reference/instruction librarian at Aquinas College in Grand Rapids, MI, and at Delaware Community College in Media, PA. While at DCCC, he was the liaison to the science and technology departments. Ed's B.S. degree is in Plant Biology from Cornell University and his MLS is from Drexel University. He has recently published "KwMap.net: A Keyword Generating Tool for Information Literacy Instruction." *College & Undergraduate Libraries 13*(1) (2006): 33-40.

Adriana Popescu is the Engineering Librarian at Princeton University since October 1, 2006. She has held the position of Plasma Physics Librarian at Princeton since July, 2001 and she has also served as Acting Mathematics and Physics Librarian at Fine Hall Library (Princeton University). Some of Adriana's previous positions are Head of the NRC Information Center, a branch library of the Canada Institute for Scientific and Technical Information (CISTI) in St. Johns, Newfoundland, and Records and Research Officer at Memorial University of Newfoundland. Prior to moving to Canada, Adriana worked at Princeton as a Special Collections Assistant in the Rare Books and Special Collections Department, and she taught mathematics, science and Latin for a short time in an urban prep school in Trenton, NJ. Adriana has B.S. and M.S. degrees in Civil Engineering from the Technical University of Civil Engineering in Bucharest, Romania, and worked as an engineer for the Institute of Hydroelectric Studies and Design in Bucharest. She received her MLS degree from Rutgers University.

ACRL-STS Events at ALA Midwinter

ACRL/Science and Technology Section open events of interest at ALA. Use the ALA Midwinter Event Planner to find locations or the on-site guide book.

Saturday, January 20th
1:30-3:30 pm
ACRL STS Hot Topics Discussion Group
The discussion topic will be training non-science/technology librarians to answer science/technology questions. Jezmynne Westcott, science/engineering librarian from the Claremont Colleges, will be introducing the discussion.

Saturday, January 20th
4:00-5:00 pm
ACRL/SPARC Scholarly Communication Forum
Together with SPARC, ACRL holds a forum at midwinter and annual conference to broaden the base of academic librarians who are knowledgeable about and concerned with scholarly communication issues.

Sunday, January 21st
10:30-12:30 pm
Publisher/Vendor Relations Discussion Group

Sunday, January 21st
4:00-5:30pm
ACRL Scholary Communication Discussion Group

John Meier
ACRL-STS Liaison
jmeier@uno.edu

STs
Science & Technology Section

Committee Updates

Accreditation & Standards

Assessment and Lifelong Learning Workshop
A subset of ELD's Accreditation and Standards Committee contributed to the following workshop that has been approved for the conference in Honolulu. The same group of individuals, led by Barbara Williams who generously offered to adapt a workshop created at the University of Arizona Library in 2004 for the workshop in Honolulu, worked diligently to get a proposal together on time. Scheduled for Sunday morning, June 24, *Assessment and Life Long Learning* is targeted to engineering faculty. It will provide a forum in which they can learn how to assess ABET's Criteria 3i – which has to do with lifelong learning – in terms of information literacy components. The intent is that faculty will see the relationships between library instruction, information literacy and outcomes assessment. In this workshop, information literacy is used as a vehicle for measuring lifelong learning; moreover, the emphasis is placed on the appropriate use of information to solve engineering problems, not information literacy as an end in itself. More to follow on the developments for this workshop.

Kevin Drees
Accreditation & Standards Committee Chair
kevin.drees@okstate.edu

Development Program

I am please to report the new Development Program is on its way with fundraising for the ASEE Conference in Honolulu. We have a new group of Development Liaisons working with our sponsors to help make your conference experience more affordable, and better than ever. You will find a list of the Development Liaisons and their respective institutions, and a list of the matched sponsors below.

ELD Development Liaisons and their Institutions:
Karen Andrews - University of California - Davis
Carol Brach – University of Notre Dame
Mel DeSart - University of Washington
Lisa Dunn - Colorado School of Mines
Maliaca Oxnam – University of Arizona
Megan Sapp -Purdue University
Larry Thompson - Virginia Tech
Michael White – Queen's University

ELD Sponsors with assigned Development Liaisons:
CSA – Megan Sapp
Elsevier – Michael White (First Year Director)
IEEE - Carol Brach (Second Year Director)
Inspec - Karen Andrews
IOP - Mel DeSart
Knovel - Lisa Dunn
Morgan & Claypool - Larry Thompson
SPIE - Maliaca Oxnam

Stephen Stich
Development Program Coordinator
sstich@jhu.edu

JSTOR Task Force

JSTOR is in the midst of negotiations with several publishers about the possibility of archiving their backfiles. Formal announcement of the JSTOR engineering collection is still several months off, probably in the fall of 2007.

Although we have given a list of preferred titles to JSTOR, we are still open to suggestions. During the course of your work, if you find yourself saying, "I wish the 1907 volume of journal xyz was available online", send me an e-mail. It will either confirm a choice we've already made, or it might cause us to look at a title that wasn't previously under consideration.

Larry Thompson
JSTOR Task Force Chair
larryt@vt.edu

Membership Directory

The updated ELD Directory of Members is available online. Corrections can be sent to the Directory editor Jim Van Fleet. A pdf file is available to members on request. Information on accessing the Directory online was provided via the ELD listserv.

Please note that the Directory contents are confidential information meant for the exclusive use of the ELD membership. Please do not share the password or directory contents with anyone outside of ELD.

Jim Van Fleet
Membership Director Editor
vanfleet@bucknell.edu

Mentoring

This year, with the strong support of the ELD Executive Board, ELD has begun a Paper Review Service, just in time to help members with their conference presentations, posters, or article submissions. Information is available at the ELD website under Programs and Services or under the Mentoring Committee, which is providing the service: *http://eld.lib.ucdavis.edu/ paper_review.php*

The service is aimed at providing feedback on the final draft version of an article or presentation to increase one's chances of having it accepted for publication. Two independent reviewers will look at the draft and send feedback. The article can be intended for publication anywhere, not just within ASEE publications.

Committee Updates (cont'd)

A crew of eager readers/editors is standing by. Just contact me if you would like to avail yourself of this service and I will assign two people to be informal reviewers. Note: You must be an ELD member in order to participate.

This service does not take the place of the peer review system. It is intended to help polish a document before it goes out for peer review. Jill Powell tested the service earlier this year and found it very helpful. She received good comments and used that as a basis for making some minor adjustments before submitting the article to a journal.

Members who have volunteered to review include committee members Jay Bhatt, Chris Hamb, Danielle Kane, Deborah Kegel, Kathryn Kennedy, Sharon Siegler, Tom Volkening, and myself. Additional offers of assistance came from Mel DeSart, Paige Gibbs, Ginny Baldwin, and Bruce Neville. If I forgot anyone who volunteered please let me know.

Thanks to Jill Powell and Kate Thomes for their encouragement and support of the new service.

Let the writing begin! We would love to give all the reviewers something to do.

Karen Andrews
Mentoring Committee Chair
klandrews@ucdavis.edu

Newsletter

Four issues of the ELD Newsletter are produced each year and are posted on the ELD web site at *http://eld.lib.ucdavis.edu/newsletter/newsletter.php*. A link to each newsletter is distributed to members via the ELD divisional email list (eld_div@asee.org), which is updated and maintained by ASEE.

There is no cost associated with publishing the newsletter electronically. If you require a paper copy of the newsletter, please let me know, and I'll mail you one.

Linda Whang
Newsletter Editor
lcwhang@u.washington.edu

Liaison Updates

SLA PAM (Physics/Astronomy/Math) Division Report

This report will summarize ideas I picked up at the PAM sessions, topics presented at the 2006 annual conference, topics from the Bulletin and the Listserv, and preliminary session topics for the 2007 conference.

Ideas we might want to consider for ELD:

1. PAM has an International Relations Committee (IRC) that makes an annual award to a librarian from a developing country. The awardee is given a two-year membership in the parent SLA organization plus the PAM Division. During this time, they serve as a member of the IRC. The recipient receives sponsored funding to attend the SLA conference the first year of the award. [Note: difficulties in obtaining a visa have prevented the recipient from attending the last two years. PAM is now offering professional development support as an alternative if the awardee is unable to come to the conference. I wonder if having the person attend the second year of the term might give more time for the visa process to work.] The recipient prepares a short report on the state of science information/libraries in the home country, and presents it in person or by writing. The recipient also prepares a final report on the PAM experience.

2. PAM is digitizing back issues of their Bulletin.

3. PAM sponsors a "Newcomer's luncheon" or dinner, in which new members meet with several experienced members for networking and an introduction to the conference. They seek sponsorship for this activity, so it is offered at no cost to all participants.

4. Book discussion dinner at the conference, called "One Division, One Book." The book selected for 2006 was "Count Down," the story of kids involved in a tough math competition. It was successful and PAM plans to select and announce another book for the 2007 conference.

5. PAM is considering offering members "PAM logo" merchandise. A member proposed this and some interest was expressed.

2006 SLA Conference, **PAM** sessions:
Sessions included: Juggling work and family; TWiki (used as a document management system), archiving historical documentation on an institute, Astrophysics Data System update, core list of astronomy books for Resources for College Libraries update, effect of e-books on physical facility, status of catalog use, linking to Google Scholar or Amazon for reviews or Table of Contents, LC policy on not providing series lists.

PAMwide Roundtable: evaluation criteria and cost-effectiveness methods for journals, communication with faculty regarding open access and scholarly communication, cancelling print, integrating print and electronic resources, space issues, trends.

Liaison Updates (cont'd)

Math Roundtable: Discussions on citation counts among Web of Science, Google and Scopus; using cited half-life to adjust download statistics; math blogs, math knowledge management.

Computer Science Roundtable: Discussions on Lecture Notes in CS, ACM digital library use and interface, CiteSeer, grey literature preservation, institutional repositories,Plone (open source content management and authoring system), JSTOR, e-books.

Vendor Update: featured representatives from Mathematical Sciences Publishers, Scopus/Elsevier, Optical Society of America, and Physical Sciences/Nature Publishing Group.

PAMnet listserv: topics over the past 6 months have covered Nature journals, federated searching.

PAM Bulletin: Articles on introducing physics students to information literacy; LISA V, the conference for astronomy librarians; usefulness of old texts; new math journals, review of a film billed as a "visual score" of Mozart's Requiem.

2007 Conference session topics: Preliminary list includes a session on the International Polar Year (2007/08), e-books, pop-culture views of librarians, cosponsoring poster session and spectroscopic/crystallographic info session.

If any of the above summaries tweak your interest, please contact me and I'll be happy to connect you with the originator or a source for more information.

Karen Andrews
ELD PAM Liaison
klandrews@ucdavis.edu

Development of IL Standards for Science & Engineering/ Technology

Inspired by the ELD draft document, "Information Competencies for Engineering," members of the Science and Technology Section (STS) of the Association of College and Research Libraries (ACRL) Division of the American Library Association (ALA) organized a task force to produce a set of standards for science and technology. Members of the task force represent various fields of science and engineering librarianship. Formed in 2002, the work of the task force was complete in 2006 when the standards were approved by the ACRL board. They are posted on the ACRL Standards and Guidelines Web site at *http://www.ala.org/ala/acrl/acrlstandards/infolitscitech.htm*.

The goal of the STS Task Force on Information literacy for Science and Technology was to produce a document that would be submitted for approval/adoption by the STS Council. Members of the task force were charged as follows:

Development of IL Standards (cont'd)

- Develop a document of standards, performance indicators, and outcomes based on the ACRL Information Competency Standards for Higher Education, *<http://www.ala.org/ala/acrl/acrlstandards/standards.pdf>* that specifically relate to science and technology disciplines.

- Determine the organization of the document. It can be a single document with appendices for specific fields, or a collection of multiple documents for each field, for example.

- Determine what other organizations or associations have science and technology information literacy interests and establish a collaborative working consultation and resource sharing relationship with them.

- Utilize expertise and knowledge within the STS membership by reporting and soliciting input via the various STS channels as the process develops.

Several of the Task Force members are also members of ELD. Membership in the Task Force changed over time. A list of all who contributed as task force members follows:

- Virginia Baldwin, University of Nebraska-Lincoln, Engineering, Physics, and Astronomy Librarian, Task Force Chair
- C.J. Wong, Yale University, Science Librarian
- Sheila Young, Arizona State University, Science Reference Librarian/Engineering
- Ibironke Lawal, Virginia Commonwealth University, Engineering and Science Librarian, Biotechnology, Chemistry, Mathematics
- Daureen Nesdill, University of Utah, Science and Engineering Librarian
- Barbara MacAlpine, Trinity University, Science Librarian
- Sherry Durren, Georgia Perimeter College, Information Literacy Librarian
- Jennifer Laherty, California State University-Hayward, librarian for the fields of biological sciences, chemistry, communicative sciences and disorders, geology, health sciences, and nursing
- Elizabeth I. Hanson, Indiana University, Life Sciences Librarian.

In the next two years Task Force members reviewed sources, met at conferences, communicated by email and instant messaging, made decisions about format and content, drafted a document, and solicited reviews through several science/technology electronic listservs. The STS Council approved the resulting product in June 2004 at the ALA Annual Conference in Orlando, Florida.

Based on the ACRL Information Literacy Competency Standards for Higher Education, five standards and twenty-five performance indicators were developed for information literacy in

Development of IL Standards (cont'd)

science and engineering/technology. Each performance indicator is accompanied by one or more outcomes for assessing the progress toward information literacy of students of science and engineering or technology at all levels of higher education. Task Force members defined the five information literacy standards in science, engineering, and technology disciplines as a set of abilities to (1) identify the need for information, (2) procure the information, (3) evaluate the information and subsequently revise the strategy for obtaining the information, (4) to use the information and to use it in an ethical and legal manner, and (5) to engage in lifelong learning. Because ethics is such an important part of science and engineering education and lifelong learning capability is specified in the ABET criteria and several regional criteria, the STS standards placed each of these concepts into its own standard.

The "Information Literacy Standards for Science and Technology" were reviewed by the ACRL Information Literacy Advisory Committee (ILAC) and significant changes were then made to the document based on ILAC reviewer comments. The newly revised document was resubmitted to the ILAC reviewers in January of 2006, then to the ACRL Standards and Accreditation Committee (SAC) and the ACRL Board and it was approved. One of the changes made was to add "engineering" to the title, and the document became "Information Literacy Standards for Science and Engineering/Technology." The ILAC has since developed a recommended process for discipline-specific information literacy standards creation and adoption and the work of the STS Task Force provided a valuable background for developing the process.

With the extensive review from the science and engineering librarianship community and from the ILAC reviewers, Task Force members consider the document to be a robust and comprehensive tool that can be used by science and engineering/technology educators, in the context of their institution's mission, to help guide their information literacy-related instruction and to assess student progress. Even so, it is intended to be a living document with future opportunities for input from the community and it will undergo periodic review and revision.

The standards are available at *http://www.ala.org/ala/acrl/ acrlstandards/infolitscitech.htm*. Additional information concerning the elements that distinguish science and engineering/ technology information literacy from more general information literacy standards, as well as a list of works consulted, is outlined at this Web site.

Virginia Baldwin
University of Nebraska, Lincoln
vbaldwin2@unl.edu

Conference Reports

Global Colloquium in Rio de Janeiro, Brazil
I recently attended the 5th Annual ASEE Global Colloquium on Engineering Education. The program's theme was "Engineering Education in the Americas and Beyond". The Colloquium was held with the assistance of ABENGE, the Brazilian Society for Engineering Education, the Organization of American States (OAS), and Rio universities Pontifical Catholic University of Rio de Janeiro and Instituto Militar de Engenharia. This event was held on 9-12 October, 2006 at the Le Meridien Hotel in Rio de Janeiro, Brazil.

The annual Global Colloquium unites the diverse elements of the international engineering education world while focusing on issues of interests to the international engineering education community. The colloquium is held in international locations with the assistance of engineering education organizations from the host country, linking engineering educators across international borders and bringing together teachers and researchers who would otherwise never have the opportunity to exchange ideas and viewpoints. Also, a group of engineering students were selected from around the world to interact with their global peers, and participate with faculty at the Colloquium.

Program tracks addressed the core issues of primary and secondary education, curriculum for the global engineer, and *Engineering for the Americas.* With more companies expanding into new areas of the world, the need for engineers (and librarians) capable of working in more than one culture has become exceedingly important. *Engineering for the Americas* acts as a grassroots movement designed to improve engineering and technology education in the Americas. The focus of the Colloquium was to forge successful strategies for dealing with each of these issues.

Jay Bhatt was kind enough to assist me in providing an "action menu" that I could use to promote some of the activities that the Engineering Libraries Division is working on. I attached a large colored sheet to the end of my poster and I was able to lead participants directly from my poster on library management to points involving scholarly communication in engineering, Institutional Repositories, as well as information concerning our future workshop on Information skills, Life-long learning, and ABET requirements. Being the only Librarian at the Colloquium did have its advantages. It was easy to strike-up a conversation with members of this group since librarians support the engineering profession in so many ways. In most cases they were most appreciative of ELD's positive contributions to engineering faculty and their students.

Corporate sponsoring representatives from Microsoft Research, Boeing, HP, IBM, The World Bank Institute, Organization of American States and many Latin American governments actively participated in many of the workshops during the Colloquium. The workshops focused on cutting-edge issues related to Engineering Education and economic development in Latin America. It was a wonderful opportunity to network, gain

Why Should I Visit Hawaii? One in an informal series of articles on the 2007 ASEE Annual Conference

In the last Newsletter I discussed the reasons you might want to make a point of attending the 2007 Annual Conference in Honolulu. In this segment I wanted to elaborate on the sorts of activities you can enjoy in our state. After reading this, please visit Alternative Hawaii (*http://www.alternative-hawaii.com/*). This web site has a wealth of information on O'ahu and the other Hawaiian Islands, often including material not found in the standard tour books. There is an incredible amount to see and do here and this site provides a well-organized guide for the visitor.

For the Energetic, and Not-So-Energetic, Outdoors Type:

The Beaches and the Ocean: Hey, even if you are that not energetic, the beaches on O'ahu are some of the most beautiful in the world. The beaches in the Waikiki area are gentle and beautiful. While crowded, they also provide the amenities of numerous hotel cafes and a variety of sponsored events such as hula performances and after-dark movies on the beach. For a treat, venture to the windward (northern) side of the island. At the Kailua Beach Park you will get 1 to 3 foot waves and incredible views of small offshore islands. For incredible snorkeling, visit Hanauma Bay, a near-shore reef park where you can swim with the fishes … in a good way. For the adventurous, take a look at Hawaiian Fire (*http://www.hawaiianfire.com/*). This company employs local fire fighters to teach people to surf! For the more subdued, there is nothing quite so awe-inspiring as the sunset from Waikiki. (Note: Be sure to use sunscreen! Remember, this is the tropics.)

Hiking: When I think of views on O'ahu I don't think of the ocean, I think of the mountains. Every morning I look out of my bedroom window and see the backlit clouds on the Ko'olau Mountains, the wisps of mist clinging to the forest, and Manoa Falls at the back end of the valley. These mountains, the Diamondhead crater, and the Waianae range on the leeward side, provide a variety of moderate to difficult hiking trails. For a great view, try the Diamondhead trail. For a trek through an "urban rainforest" try the Manoa Falls trail. (Note: Bring water! For the Diamondhead trail be sure to wear sunscreen. For the Manoa Falls trail, or other rain forest trails, bring your mosquito repellent and expect to get muddy.)

Golf: I played golf once in my life and it wasn't pretty. While I have never understood the fascination, the game is extremely popular on the island. If you're interested, go to *http://www. visit-oahu.com/yd_golf.aspx* for a list of options for courses.

Running: For the runners among us, I would suggest the path along the Ala Wai Canal. The Ala Wai runs on *mauka* (inland) side of the Waikiki area. If you cross to the *mauka* side, there is a great trail along the Ala Wai for running or strolling. Also, there are paths along most of the beach parks, although I would avoid running along Waikiki unless you prefer the early morning … there are just too many people.

Of Historic and Cultural Interest:

Museums: Hawaii was a kingdom, then a territory, and then a state … all within the fairly recent past. O'ahu (=the gathering place) has been the administrative center of the state since Kamehameha the First united the islands. The Iolani Palace (*http://www.iolanipalace.org/*) in downtown Honolulu was home to the last of Hawaii's monarch's and now functions as a museum. The Bishop Museum (*http://www.bishopmuseum. org/*) is one of Hawaii's cultural treasures. Learn about Hawaiian History or walk through a three-storey model of an active volcano. The Honolulu Academy of Arts (*http://www. honoluluacademy.org/cmshaa/academy/index.aspx*) has an excellent collection of art from Asia and the Pacific.

Cultural and Performing Arts: The wonderful thing about Honolulu is that, with so many cultures represented, there is a never-ending opportunity to enjoy festivals, performances and exhibitions. From Obon to Oktoberfest, we've got it covered. For a detailed overview, go to *http://www.visit-oahu.com/ yd_artsculture.aspx*. For a, reasonably accurate, overview of Polynesian societies and culture, you may want to visit the Polynesian Cultural Center (*http://www.polynesia.com/*). While the facility is quite a drive from Waikiki, they do offer bus transportation from the major hotels. This is a great activity for those traveling with children, since it would be fun for adults and kids as well. If you go, plan on taking most of the day.

Shopping:

For the High-Roller and the Occasional Splurger: The Waikiki area offers a variety of high end shopping options including exclusive stores from the US and Japan. While I have never purchased anything from these places, they are interesting to stroll through. For a less expensive, but also very nice, shopping opportunity, stop by the Ala Moana Mall, just *ewa* (west) of the Waikiki area. The Ala Moana Mall is an attractive open-air mall that offers a huge variety of stores. It is popular with visitors and locals alike.

For Cheesy, and Not-So-Cheesy, Souvenirs: While you can pick up cheesy postcards, suggestive t-shirts and bobble head "hula girls" pretty much anywhere, if you want to buy this stuff, you really should go to Hilo Hattie's (*http://www. hilohattie.com/*). Go to the web site to hear the slack key guitar and see the wide range of merchandise. There is a bus, made up to look like a trolley, that makes a route between Waikiki and the Hilo Hattie mother ship location, so you can get there easily. In one stop you can pick up the Hawaii ink pens for all of the folks in your branch library and a nice "aloha shirt" for your husband … who is still a bit miffed he didn't get to come along.

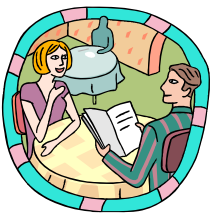**Local Kine Shopping:** While most of us who live here prefer to shop at COSTCO, there are some unique shopping opportu-

Hawaii (cont'd)

nities. "Crack Seed" stores are a unique tradition in Hawaii. These shops sell local *kine* snacks – dried, salted seeds; fruit jerky; squid jerky … you know, tasty things to munch on. You can find Crack Seed stores all over, even at the Ala Moana Mall. Another local tradition is "Shave Ice," known elsewhere as sno-cones or snowballs; this is a cone of shaved ice with flavored syrup. Matsumoto's – on the North Shore of O'ahu – claims to make the best shave ice on the island (*http://www.matsumotoshaveice.com/*) and offers extras like beans and ice cream. I personally like our Manoa shave ice, but if you would like to explore the village of Haleiwa /How-le-e-va/, you can make up your own mind.

If you have a car, visit some of the neighborhoods. On the weekends, there are numerous farmers markets and *huli huli* chicken barbecues (set up in parking lots to raise money for local causes … just drive towards what looks like the smoke for a three alarm fire until you see some guys working at a huge barbecue pit.) The farmers market in Manoa (near the University of Hawaii) is on Sunday mornings and features a large amount of local produce.

Dining:

Honolulu offers a huge variety of local and world cuisines. As you might expect, the Asian (Japanese, Chinese, Korean, Vietnamese, Thai, etc.) food is quite good. Some places you might want to explore:

Indigo (*http://www.indigo-hawaii.com/*): Open air, moderate in cost, and very popular with locals, offers a European/Asian fusion cuisine, not suited for quiet conversation.

Sam Choy's (*http://samchoy.com/*): Sam Choy operates several restaurants on O'ahu. The one in Waikiki is higher end … quite good and pretty expensive. The one on the Nimitz Highway (a favorite of my kids) is more moderate in cost and, while the food is not as fancy, is still very good. The Nimitz Highway location is very popular with locals and offers a great early-bird deal for breakfast … in case you're still on mainland time.

The Willows (*http://www.willowshawaii.com/*): In case you would like to try authentic local *kine* food, but are not sure if you can tolerate the *poke* and *poi*, you might want to visit the Willows. This restaurant is close to the University of Hawaii, about a 15-minute drive from Waikiki and offers a lovely open-air venue. The food is served buffet style, so you can try the pork *lau lau* and chicken long rice, but fall back to the prime rib if local food is not to your liking. The Willow's is on the high side of moderate. (By the way … mix some *poke* with your *poi* … it makes the *poi* taste less bland.)

Others: There are so many … for Thai food, try the Mekong II or Phuket Thai Restaurants, both very good and moderate in cost. The Fook Yuen Seafood Restaurant is right off of Waikiki and is very good. (Their $10 lobster is a great deal.)

The Neighbor Islands:

If you have the flexibility to add two or three days to your trip, you may want to add a side trip to a neighbor island. The other islands offer very different experiences, from the rugged and diverse environments of the Big Island (Hawaii), to the quiet, old Hawaii feel of Molokai. Maui, while typically the most expensive island to visit, is very beautiful and increasingly popular with visitors. Closer to the time of the meeting, I will send an email with information on side trips and contact info for travel agents specializing in this trips. (Hint: Often package deals that includes airfare, hotel and car rental offer the best price options.)

Hawaii, The Place and the People:

It is difficult to find anything like Hawaii elsewhere. Leis are given to welcome, to thank, to congratulate or to acknowledge. Luaus are held at a child's first birthday to help welcome them to the community. People smile at you. The temperature is always moderate and the trade winds are usually blowing. In Waikiki the sun is almost always shining; here in Manoa, the soft rains bring almost daily rainbows. If you attend the meeting, you will want to take the time to experience the place and the people.

Aloha a hui hou,

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Happy Holidays!

Conference Reports (cont'd)

exposure to new perspectives, acquire valuable international experience in a hands-on international venue, and promote ELD activities.

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2006 Saint Lawrence Section Conference Report

I've been a member of ASEE for many years and attended a number of annual conferences but I had never been to a regional meeting until a few weeks ago when I attended the Saint Lawrence Section Conference at Cornell University. The Saint Lawrence Section is part of ASEE Zone 1 and includes upstate New York, eastern Ontario and most of Quebec. Ithaca is an easy 3.5 hours by car from my home base in Kingston, Ontario.

The Cornell College of Engineering hosted the meeting which took place on November 17-18. The small size of the conference--about 50 people--made it quite a different experience from the annual conferences I've attended. For one thing, there were more opportunities to speak with engineering faculty and deans from other divisions. Also present were ASEE executive director Frank Huband and member services manager Dwight Wardell; both participated in group discussions on ASEE's "Year of Dialogue" initiative. One topic of special interest to me was how ASEE can better serve its Canadian membership. (I'm an American but I work at a Canadian university.) Nelson Macken, Zone I chair, convened a meeting on this topic at the

annual conference in Chicago.

In addition to networking, I had the pleasure of presenting a paper with my colleague Dale Dilamarter, who is an instructor in the Queen's Department of Chemical Engineering. Our topic was the design of an on-line tutorial for students in Dale's technical entrepreneurship course. Other presenters spoke about capstone design courses, community service projects, teaching video game design, rapid prototyping systems and the use of Student Response Systems ("clickers") to create dynamic, interactive lectures. (The highlight of the meeting was keynote speaker Chris McEvoy, chief technical officer of video game company Vicarious Visions. Chris offered his opinions on the education of video game programmers. He stressed the importance of engineering students learning how to communicate with non-engineers and how to "find what has already been tried." He also noted that content, not technology, will drive the gaming industry in the next few years.

Overall, the conference was a great experience and I'm looking forward to next year's meeting, which may be held in Toronto. I encourage new ELD members to consider attending an ASEE section meeting. It's a great way to learn how ASEE works as an organization. Most importantly, it's an opportunity to meet ASEE leaders and members in other divisions and hear their views, interests and concerns.

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