



Engineering Libraries

Division Newsletter

September 2000

Chair's Message

REFLECTIONS ON THE ANNUAL MEETING

The ASEE 2000 Annual Meeting is nearly two months behind us now but I am still mulling over the information, news and ideas I garnered at the conference. My impressions of the conference were of a stimulating, action packed program that left little time for mental relaxation. Each day offered interesting speakers describing innovative research and instructional programs. When time allowed, I recall snatching moments in the exhibit hall to chat with database vendors and publishers before hurrying back to learn about the exciting activities of our fellow ELD members. After reviewing the conference evaluations from ASEE headquarters, I'm glad to report that many of the attendees shared my impressions. All the ELD programs were rated good to excellent by those attending.

The conference kicked off first thing Monday morning with the traditional Get Acquainted session. At this session we had sixty-seven members in attendance with nearly ten new members joining us for the first time. As many furiously took notes, we heard the highlights of events in engineering libraries around the country. Some members who serve as editors of professional journals mentioned a need for reviewers or authors. Others asked for advice on circulating CDs, serving remote users, and selection of materials to send to storage. This was followed by a general technical papers session, poster sessions, and the Innovations and Ideas Exchange which offered an opportunity to discuss in further depth the issues raised at the Get Acquainted session.

On Tuesday, a long day of sessions began with presentations by a varied group including a special agent of the FBI whose presentation prompted my favorite comment of the many I received about the conference "FBI rules!". Several ELD members volunteered their services as session reporters so I won't say any more about the ELD sessions, since their reports appear later in this newsletter. I will simply share a selection of the comments of the

attendees.

"Excellent session. Good discussion of important issues and exposure to new ways to accomplishing business."

"Topic #3 is really *cool*."

"Really liked speaker #1 good slides, clearly audible, etc."

"Great session"

"All three topics were very interesting"

"Great"

"Excellent session for exchanging ideas."

"Thanks! Got lots of ideas and contacts."

"Very interesting and worthwhile"

"I appreciate this meeting *very* much."

"Very informative."

"Good session free ranging format is useful."

"Good use of time Great discussion of issues in depth."

"Useful session."

"FBI rules!"

"FBI guy was great! I would have liked an hour of him."

"FBI guy was fun."

"Enjoyed presentations...."

"Very informative"

"Good variety of topics"

"[FBI] Good"

"All very relevant, especially Bill Mischo."

"Very appropriate and timely subject matter"

"Well focused"

"Excellent discussion"

"Three excellent speakers on relevant topics"

"Thanks for a great session"

"Best presentation all week!" [re Orion Pozo's e-books presentation]

"Very good"

"Today's sessions were the best of the conference"

"Good session!"

"Very interesting"

Need I say more?

ACTIVITIES AND PLANS FOR THE COMING YEAR

This will be a very active year, if all the ideas and

initiatives proposed at the annual meeting move forward. Success will require assistance, however, so please let me know if you can volunteer some time to work on any of the following initiatives:

Form a joint committee with the ACRL/STS Division to work on library statistics

The Accreditation and Standards Committee will oversee the work of this group which will work with the ACRL/STS committee on sci-tech library statistics.

Establish liaisons with other engineering library organizations

We would like to appoint official liaisons to ACRL/STS and to SLA/Engineering Division. The liaisons would report back to ELD on a regular basis and represent ELD issues and positions at these meetings. We are in the process of establishing guidelines for the liaisons. If you have suggestions regarding the guidelines or are interested in being a liaison, please let me know.

Investigate a formal mentoring program for ELD members

A group is being formed to draft recommendations and oversee mentoring activities of the division. Anyone interested in being involved in the planning should let me know.

Establish a Task Force to identify engineering titles for a JSTOR-like project

Draft a letter to the Center for Research Libraries outlining the needs and concerns of engineering libraries.

ACRL Information Literacy standards

At the annual business meeting, a motion was passed to endorse the principles outlined in the "ACRL Information Literacy Competency Standards for Higher Education" (<http://www.ala.org/acrl/ilcomstan.html>). Information about the standards along with this resolution will be forwarded to the ASEE Board.

Linda Musser
ASEE/ELD Chair
Lrm4@psu.edu
814-355-9834

News from the Program Chair

2001 Program Plans

Greetings from ELD conference planning ground control! As I write this it's roughly T-minus ten months until the successful launch of the 2001 ASEE conference in Albuquerque. I just wanted to let all of you know where things stand at the moment and what opportunities there still are for YOU to participate in next year's ELD program. Assuming we get all the session slots I will soon ask for, here's a broad-brush picture of next summer's program.

There will be ten ELD presentation sessions, plus our business meeting, annual banquet, Extended Executive Committee meetings, maybe a tour opportunity or two, perhaps the suggested new member / first-time attendee reception, and various and sundry social events we'll cook up between now and next June. There will also be the opportunity for ELD members to participate in the Society-Wide Picnic, the PIC IV luncheon (IF it's held), the ASEE Awards Reception and Banquet, and various other activities. The ten sessions mentioned above will be the Get Acquainted session, the Poster session, three discussion sessions, and five papers sessions.

The 3 discussion sessions will be Collections Issues (part of which will be a follow-up on this year's IEEE discussions, with the remainder to be determined), Innovations and Ideas (which will deal with issues related to fundraising – some success stories and strategies will be shared), and Professional Issues (content largely determined by the interests of those ELD members who attend next year's conference).

The 5 papers sessions will be a general technical papers session (a smorgasbord of great information), one on electronic archives and related issues, another on issues related to the needs of distance learners and how we can provide them with the collections and services they need, one on successful marketing (of our collections, services, and ourselves to our various constituencies), and a final one on electronic publishing and its various impacts (on libraries, librarians, their institutions, publishers, authors, users, etc.).

If you are interested in presenting at one of the papers sessions, please let me know as soon as possible. If

you're interested in seeing your paper appear in the conference proceedings, you MUST submit an abstract to the ASEE CAPS system (www.asee.org/annual2001/CAPS) BEFORE November 1, 2000. Abstracts will then be reviewed during the first week of November and authors notified of acceptance or rejection of their abstract. Authors whose abstracts are accepted will then be able to submit their papers, again via CAPS, (see the URL above) and must do so by no later than January 8, 2001.

If you have questions about any of the above, by all means please contact me. ELD is all of YOU. WE collectively contribute to the content of the program and to its success. Me, I'm just drivin' the bus this year.

Mel DeSart
desart@u.washington.edu

People & Places

Effective August 1, Steve Gass was appointed Head of the Engineering and Science Libraries at MIT. Previously Steve was Head of the Engineering Library.

Christy Hightower has accepted the position of Science Reference Librarian at the University of California at Santa Cruz. Christy comes to UCSC after 11 years of successful experience at UC San Diego as a their engineering subject specialist and as the Web manager for the Science and Engineering Library. Upon her arrival in September, Christy will take over a subject assignment in the physical sciences or engineering and will work with Ann Hubble to continue evaluation and improvement of the Science Library Web pages.

Mary Schlembach has accepted an invitation to serve as a member of the ASEE Publications Policy Committee by the ASEE President for the 2000-2003 Society years. The Publications Policy Committee is a standing committee reporting to the Board of Directors through the President-Elect. Its charge is to monitor all of the Society's publications. These include magazines, newsletters, conference proceedings and other occasional publications. The committee recommends to the Board policies that will enhance the quality and usefulness of ASEE publications.

Jay Bhatt reports that Drexel University won first place in the "Marketing a Library Event" at the Special

Libraries Association 91st Annual Conference in Philadelphia. The competition is run by the Marketing Section of the Library Management Division of SLA. It is part of their annual "Shop and Swap" activities at the annual SLA conference.

Staff members at the Siegesmund Engineering Library at Purdue University welcomed Amy Van Epps as a new Assistant Engineering Librarian and Assistant Professor of Library Science on August 15. Amy is specializing in library instruction and supervision of the circulation department. Her skills will also be used in reference and collection development. Her musical talents are already being appreciated and put to work at the Bach Chorale in Lafayette, Indiana. Ms. Van Epps has previous experience as Engineering Librarian at Rensselaer Polytechnic Institute (1995-2000), Evening Librarian at Kutztown University (1994), and Library Technician/Building Supervisor at St. Lawrence University (1991-1993). She has an undergraduate degree in Mechanical Engineering from Lafayette College (1991), a M.S.L.S. from the Catholic University of America (1994), and is finishing a M.Eng. in Information Systems from Rensselaer. During graduate school, Amy did an internship at the Research Information Center at the National Institute of Standards and Technology.

Publications

Sheila Curl, Leslie Reynolds, Brent Mai, and A. Smith-Macklin. "Reality Check: Developing a Digital Asynchronous Information Strategies Course". *College & Research Libraries News*, v.61, no.7, (July/August 2000) pp. 586-588.

Annual Business Meeting Minutes, June 20, 2000

Sheila Curl brought the meeting to order at 4:38 p.m.

Because of a scheduling conflict, the first order of business was the presentation of the Best Reference Work award by Suzanne Weiner, Chair of the Awards Committee. The winner of the 2000 Best Reference Work Award was the McGraw-Hill Concise Encyclopedia of Science and Technology, 4th edition, 1998, edited by Sybil P. Parker.

Minutes of last year's annual business meeting were approved without revisions.

Sheila attended the PIC IV business meeting, which ended up consisting of Sheila and Duane Abata, Chair of the PIC. Sheila commented that there was a very positive quote about ELD and its activity level in the annual report of the PIC.

Program report

Linda Musser reported that more abstracts were submitted this year to ELD for possible program inclusion than in any year in the past.

All complimentary registrations that the Division asked for were received.

35 papers were nominated for the Conference Best Paper Award and 3 were produced by ELD members.

Linda explained the process of how papers were submitted for the Best Paper Award from within ELD.

Both Sheila and those in attendance then lauded Linda for her work on the excellent program at this year's conference.

Banquet update

John Saylor reminded everyone of the location of the banquet (McMurphy's Grill), which was to immediately follow the business meeting. John also reiterated that a limited number of people who had not registered for the banquet could still be accommodated. Anyone interested should please contact John.

COMMITTEE REPORTS

Awards

The Awards presentation continued with Suzanne presenting the Division's most prestigious award, the Homer Bernhardt Award, to Tom Conkling, Head of the Engineering Library at Penn State.

The 2000 Best Paper Award was presented to Poping Lin, Assistant Science Librarian at the Massachusetts Institute of Technology, for her paper "Core Information Competencies Redefined: A Study of the Information Education of Engineers". The paper appeared in Leading Ideas 11, pp. 2-7.

Suzanne then made a pitch for new members for the Awards Committee.

Nominating Committee

Beth Brin, Chair, listed Larry Clemens and Jill Powell as the other members of the Committee.

Sheila then explained to those assembled the 4-year commitment that was attached to accepting a nomination to the Secretary-Treasurer position (Secretary-Treasurer in year one, Program Chair in year two, Division Chair in year three, and Immediate Past Chair and Chair of the Nominating Committee in year four).

Beth then offered Gretchen Sneff's name as the nominee for Secretary-Treasurer. Sheila then explained the role of the Director, one of two positions with a two-year term as part of the Division Executive Committee.

Beth then offered three nominees on the slate for the position of Director: Kate Lee, Leslie Reynolds, and Andy Shimp.

Additional nominations were then solicited from the floor for both the Secretary-Treasurer and Director positions. None were received. ELD By-laws indicate that, in the case of only one nomination for a position, a single vote may be cast in favor of that candidate. That process was followed and Gretchen elected the new Secretary-Treasurer. Paper ballots were then distributed, marked, and collected for the position of Director, with Leslie Reynolds winning the election.

Accreditation and Standards

Karen Andrews thanked the members of the committee for their work. She reported the committee had received 3 questions and 2 requests for data in the past year. Karen also reported that there was no interest on ABET's part in adding library-related outcomes to their criteria. A brief discussion of process ensued. The Committee will attempt to gather information on the questions asked by ABET accreditations teams on their visits.

E-mail Discussion Lists

Mel DeSart clarified the differences between ELD-L, the Division members-only list, and ELDNET-L, which has open subscription. Some discussion ensued on the need (or not) for two lists. The question is to be taken up by the Extended Executive Committee at their meeting the next day.

Membership Committee

Glee Willis reported that the Division currently has 184 members (while Glee's oft-stated goal is still 200).

There were 67 people at the Get Acquainted session at this year's conference. Glee indicated she and the Committee would continue to work to not only acquire new members but also retain existing members. Andy Stewart also gave a brief update on the status of the new edition of the Membership Directory.

Newsletter Editor

Tom Conkling's update was brief – PLEASE send him material for the Newsletter.

Publications

Godlind Johnson reported on the current state of Literature Guide production and sales. Guides availability was advertised on various e-lists. Andy Shimp reported on behalf of he and Ann Ward for the Literature Guides subcommittee and requested volunteers to not only produce new Guides but also update past Guides that are now out of date.

OLD BUSINESS

Sheila gave everyone a brief history of the ongoing discussions with ACRL STS on possible cooperative projects. The STS contact is Bart Lessin from Wayne State. Two topics were chosen to move forward on: information literacy and statistics. Sheila solicited individuals for participation on committees working in both areas. A brief discussion ensued. Karen Andrews expressed strong support for a joint statistical survey of the membership of the groups rather than each group surveying its membership. Sheila indicated that these committees might be largely virtual. Many details are not yet set in stone and there will be more information to come. The Extended Executive Committee will discuss further.

Jay Bhatt renewed a discussion on mentoring. The ELD group working on mentoring will schedule a session for new members at future ASEE conferences. Details and scheduling remain to be worked out. There would be the potential of pairing new members with volunteer mentors prior to the conference once registration information is known. The suggestion was to try the process for a year and evaluate it after that. It was stressed that mentoring could happen with new ELD members whether or not they attend the ASEE conference. A proposal will be forthcoming from Jay.

ACRL Information Literacy Standards

The primary question asked was should ELD endorse them as they stand. Kate Thomes suggested

distributing the Standards document in electronic form on ELD-L for wider ELD member input. Karen Andrews made a motion for the Division to endorse, in principle, the ACRL Information Literacy Standards. Suzanne Weiner seconded. A brief discussion ensued, with general support in favor of endorsement.

A brief break in the discussion occurred as Daniel Davis, the new Chair of PIC IV arrived, was introduced, and said a few words. Davis seemed eager to work with ELD.

The final motion was to endorse the ACRL Information Literacy Competency Standards for Higher Education and send the Division's endorsement to the ASEE Board of Directors along with copies of the document. Motion passed unanimously. The endorsement will be forwarded via Mr. Davis, the new PIC IV Chair, to the Board. Davis indicated he would try to get the topic on the agenda for the Fall Board of Directors meeting.

Liaisons Idea

Sheila revisited the idea (discussed briefly at last year's conference) of establishing a quasi-formal liaison arrangement with ACRL STS and with one or more Divisions within SLA. Karen Andrews and John Saylor will work on draft guidelines for such an arrangement, how those individuals would be chosen, etc.

Center for Research Libraries

Linda Musser led a brief discussion. CRL has requested a letter from ELD on what CRL can do to aid the Division and its mission and goals. The Directors and Linda will work on a draft to be shared more widely within the Division.

JSTOR

Sheila indicated that the CIC member institutions were asked to compile a list of titles of interest in engineering. JSTOR has now indicated that they are not currently interested in expanding into an engineering cluster. Sheila asked about the possibility of pulling together those lists and sharing them with the membership of the Division.

Dorothy Byers then provided a bit of history/background on an aborted ELD JSTOR project. A discussion ensued, with one possibility being to perhaps tie this in to the CRL letter, since both dealt with holdings and availability of older runs of

engineering journal titles. A task force will be formed to explore these issues further.

There was no new business.

Larry Clemens moved to adjourn. Roughly half the room seconded. Meeting adjourned.

Extended Executive Committee Meeting Minutes

Sunday June 18, 2000

Reporter, Linda Musser

The meeting was convened at 10:30 a.m. in the Adams Mark Hotel in St. Louis, MO.

Linda Musser went over some changes in the conference program. She asked EEC members to try to get a sense from members if the program next year should include fewer sessions and whether the members wanted to continue some of the experimental sessions such as the Innovations and Ideas Exchange.

The following issues were presented to the group for discussion:

1. Request to endorse ACRL information literacy standards. Bart Lessin has asked if ELD will endorse the standards developed by ACRL. Sheila will share copies with the members and raise the issue for discussion at the annual meeting. Karen Andrews pointed out that the ACRL standards are fairly rigorous, perhaps beyond what ELD would recommend for engineering students.
2. ACRL/STS and ELD partnerships The EEC agreed that we should pursue formation of a joint committee with ACRL/STS on library statistics.
3. Liaisons to ALA and SLA The EEC would like to appoint liaisons to the engineering divisions of these two organizations. The liaisons would not only report back on activities in these organizations but would also represent ELD issues and positions at those meetings. Monetary support of approximately \$100 would be offered to the liaisons to offset their costs for attending these meetings. John Saylor and Karen Andrews will develop guidelines for the selection and duties of the liaisons.
4. Mentoring Jay Bhatt is interested in having ELD pursue a more formal mentoring program for members.

5. Access to Engineering Journal titles a la JSTOR Currently, JSTOR is not ready to expand their activities to engineering titles. The EEC agreed to form a task force to identify titles that would be a priority for a JSTOR-like project.

6. Letter to CRL The Center for Research Libraries has asked ELD to draft a letter outlining our needs and beneficial programs that they might offer to engineering libraries. Linda Musser and the Directors will draft a letter then share it with the EEC. This activity will be announced at the annual Business Meeting so that members can give feedback into the coverage of the letter.

Topics for the EEC Meeting, Wednesday, June 21, 2000:

1. Program planning for 2001

Minutes approved by the EEC, Wednesday, June 21, 2000.

Annual Report

Accreditation and Statistics Committee

The Accreditation group decided to focus on information competencies this year. A draft set of competencies was developed by Jay Bhatt and Karen Andrews. They reviewed several documents for comparison:

California State University, Northridge,
University Library: "Information
Competence: A set of core competencies."

Information Competency in the Life Sciences
(Draft version by Natalie Kupferberg, 8/99)

Association of American Medical Colleges:
"Medical School Objectives Project: Medical
Informatics Objectives," 12/99.

ACRL "Information Literacy Competency
Standards for Higher Education" (draft
version published in C&RL News, 3/00.)

The next step is to prepare objectives specific to engineering.

Karen Andrews prepared and delivered a session on how to assess whether engineering students had demonstrated information competencies for the "Best Assessment Practices III" Conference held in Terre

Haute in early April. The opportunity to propose a session was suggested by Dorothy Byers. The hands-on, interactive session was well-received and may be repeated next year. A draft set of "information competencies for engineers" was utilized for the workshop.

While at the conference, Karen Andrews spoke with Dr. George Peterson, Executive Director of ABET, about ELD concerns that the section on data submission for libraries has been eliminated from the ABET 2000 Criteria. Dr. Peterson believed that librarians would, on their own, submit appropriate data, and that evaluators knew what to look for. He was reluctant to have any more criteria added to ABET 2000.

The Chair fielded 2 requests for assistance in preparing for accreditation site visits.

Statistics: No work was done on gathering library statistics this year. The committee members felt that a methodology for assessing electronic resources needs to be devised. This is being worked on at the national level within ARL this coming year. It would be best if ELD could partner with ALA's STS Division so that only one data survey would be sent out, or, if we do send a separate one for ELD, they should go out at the same time. Based on user comments and a review of past surveys, a shorter version of the ELD survey has been prepared, omitting sections that few people seem to request, such as the one on ILL or on which indexing services are held at a particular institution. This could be the basis for a future survey.

The Chair fielded 2 requests for data this year. Generally, requestors are interested in staffing levels, acquisitions budget, and space allocations. A greatly streamlined survey could still satisfy the majority of needs. Difficulties remain in standardizing the data, given the variety of collection combinations in existence.

Committee members are: Jay Bhatt, Tom Volkening, Mark Shelton, John Matylonek, Susan Herring, and Nestor Osorio.

Respectfully submitted,

Karen Andrews
Chair

Conference Session Summaries

Session 1541 – ELD Poster Session

"Using Patents in the Engineering Curriculum,"
Charlotte A. Erdmann, Assistant Engineering Librarian, Purdue University

Poster session objectives were to: 1) discuss patents and possible points in the engineering or technology curriculum when instruction could be included; 2) discuss major concepts to be covered in presentations; and 3) explain search methods. The poster presenter recommended that students use the United States Patent and Trademark Office's CD-ROM databases as well as the USPTO's Bibliographic and Full Text patent databases on the web. The web address is: <http://www.uspto.gov/web/menu/pats.html>.

The session highlighted these questions: Why do patent instruction? What instruction is possible? What concepts may be discussed? Why use classification searching? What search methods are recommended? What is available from USPTO databases on CD ROM and on the Web? It also included new information on the USPTO web site for independent inventors: <http://www.uspto.gov/web/offices/com/iip/index.htm> and children, kindergarten-grade-12: <http://www.uspto.gov/web/offices/ac/ahrpa/opa/kids/index.html>

Reminders from the USPTO and features of the IBM patent Web site were also discussed. Handouts from PowerPoint presentations that have been used in classes were also shared with poster session attendees.

"Evolving Libraries and Computer Centers"
James Van Fleet, Bertrand Library,
Bucknell University

ABSTRACT:

My poster session played with the concept of evolutionary divergence, and described the creation of two different computer "ecosystems" within the Information Commons area of the Bertrand Library. Its been two years since the creation of ISR, Information Services and Resources, combining the Bertrand Library with Computer and Communication Services, and one year since the incorporation of reference services and computer technical support in one public area called the "Information Commons". The Reference Island and the computers surrounding it now have their counterpart in the Tech Desk and its surrounding computers, clustered together in the Technology Courtyard. The Tech Desk combines the

public services of Instructional Media Services with the functions of a computer help desk.

The computers in the two areas are functionally and aesthetically diverse, and have been designed in part to help library staff and users to easily distinguish between computers configured for quick reference queries and machines designated for multimedia production and group projects.

“VALUE ADDED: Library Session at an ASEE Regional Meeting”
Paige Gibbs – University of Massachusetts Dartmouth

This presentation shared the goal and tactics for establishing a session conducted by librarians as a regular feature of an ASEE regional meeting. Addressed were: How to inspire the interest of the planning committee; who is the intended audience; objectives, information to be related, location, organization, assessment and follow up. Thanks to the high profile of ELD, librarians have caught the attention of faculty and administrators responsible for planning regional meetings for ASEE and other engineering societies. Librarians can take advantage of this opportunity by being prepared with topics of high interest. Successful topics include intellectual property, ethics and self-publishing. Holding a session in the same area as the other sessions (rather than the Library) assures an intergration with the focus of the meeting.

Session 1641 INNOVATIONS AND IDEAS EXCHANGE

Convention Center Monday, June 19, 4:30 to 6:00
Moderators: *Mary Schlembach, University of Illinois;*
Greg Raschke, Georgia Institute of Technology

Professor David F. Radcliffe, Mechanical Engineering, University of Queensland radcliffe@mech.uq.edu.au, visited this session to share information about AVEL (Australian Virtual Engineering Library - <http://avel.edu.au>). He was presenting a paper, “*Australian virtual engineering library: collaboration development of global resources*”, to the June 21 Session 3232 – Web-based ECE education sponsored by Electrical and Computer Engineering; and kindly visited our Session 1641 to share this engineering-website information with ELD.

AVEL custodian is Claire Hill, Dorothy Hill Physical Sciences & Engineering Library, c.hill@library.uq.edu.au. Dorothy Hill ... Library Manager, Gulcin Cribb, can be contacted at s.cribb@library.uq.edu.au

The AVEL site includes full text theses from the eight participating Australian universities from 1998/99 as part of the NDLTD (Networked digital library of thesis and dissertations) VPI/UMI project. Full-text papers from the same institutions are also made available through AVEL, as well as gateways to databases in International sustainability and University of Queensland Minerals.

Radcliffe said that a goal of AVEL was to connect researchers with each other through easily available full-text sources.

This fast-paced session didn't slow down after Dr. Radcliffe ran off to another session.

Discussion continued with the changes in our libraries precipitated by technology:

- The effect the web and e-journals will have on scholarly communication (Kate Thomes, Univ. of Pittsburgh)
- Electronic access may reduce the need to have as much in our libraries (Mel DeSart, Univ. of Washington)
- Corporate/library relationships help to get out-of-print material reprinted (Ron Rodriguez, Agilent Labs)
- E-journal statistics will be more detailed as we shift from issue to article statistics. (Thomes)
- Privacy issues when we can identify users of individual articles (Tom Volkening, Michigan State)
- Developing criteria for use information (John Matylonek, Oregon State)
- Check the ICOLC (International Coalition of Library Consortia) information for guidelines on statistical usage measurement. (www.library.yale.edu/consortia/webstats.html). (Linda Musser, Pennsylvania State and Glee Willis, Univ. of Nevada-Reno)
- Yale University has licensing agreement and vendor statistics on a Yale database (Any Shimp, Yale) www.library.yale.edu/journals/titlevendors.html – usage stats restricted to Yale. Liblicense at www.library.yale.edu/~llicense/
- The raw statistical data supplied for INSPEC and Compendex are very time consuming to analyze. (Bill Mischo, Univ. of Illinois, Urbana)
- Steve Gass (MIT), who is on the IEEE Library Advisory Council, said that academic and corporate librarians DO speak out about IEL pricing and the lack of choice with packaged products. He says that IEEE is listening and encourages other librarians to call him if they are interested in getting on the Council. Steve says that the American Physical Society is a good example of a society providing more for less money. He said, “Shift the cost to those funding the research

and away from the readership". He suggests that the societies can sell their peer review if they are worried about cash flow.

- New journals may not be considered as prestigious as the more expensive established journals. (Mischo)
- The peer review process is very important, but see: Tempe Principles [URL below]. (Thomes)
- See the Chronicle of Higher Education article. (Gass) "Seeking a radical change in the role of publishing", *Chronicle of Higher Education*, June 16, 2000, p. A16-17 – www.arl.org/scomm/tempe.html
- It's the faculty, dependent on promotion and tenure, that will be the harder sell, not the administrators. (DeSart)
- But higher ups make decisions. (Thomes)
- Work with faculty, partner with them. (Greg Raschke, Georgia Tech)
- Agree, send emails to them. (Willis)
- One of my faculty edits a Gordon & Breach journal, so I can't get rid of it. (Dorothy Byers, Univ. of Cincinnati)
- Hands up for those who subscribe to Science Direct from Elsevier? (Gass)
[many hands up]
- Sell the power of peer review because publishers lack that facility. (Jim Ottaviani, Univ. of Michigan, Ann Arbor)
- Create change, advertise SPARC. (Orion Pozo, N. C. State) www.arl.org/sparc
- The Physics-Astronomy-Mathematics (P-A-M) Division of the Special Libraries Association this year selected Professor Maurice Bruynooghe, editor in chief of the "Journal of Logic Programming", to receive its most prestigious award. The P-A-M Award is periodically presented in recognition of a significant contribution to either the literature of physics, mathematics or astronomy, or to honor work that demonstrably improves the exchange of information in the fields and enhances the ability of librarians to provide service. In November 1999, after sixteen months of unsuccessful negotiations with the commercial publisher of the "Journal of Logic Programming" (JLP) to lower its price, the entire Editorial Board (fifty editors in total) collectively resigned and established a new journal, "Theory and Practice of Logic Programming" (TLP), to be published by Cambridge University Press. The subscription price will be reduced from \$1047 (for JLP) to \$300 (for TLP) in 2001. (Gass)
- Preprint publishing in some disciplines is an alternative to high-priced journals (Mischo and Carol Resco, Oregon Graduate Institute)
- Identify faculty who may be interested in self publishing and give them information on doing electronic journals. (Matylonek)

- Tell faculty about licensing, and SPARC, compile a database of editorial board members like ours at UC-Davis (Karen Andrews) *Note: their database is on their intranet and not available to outside users.*
- How many of our faculty are on multiple editorial boards. It's impossible to drop journals that have a local connection (Deborah Kegel, UC, San Diego)
- Financing (public and commercial) of journals was discussed by John Saylor, Cornell Univ., Kegel and Matylonek
- Distance education such as Georgia Tech's GTREP program (Raschke) was next on the agenda.
- In Indiana distance campuses were funded for bachelor's programs but no money was allocated for library materials. The off-site students need to use the licensed Purdue University databases through a proxy server (Sheila Curl)
- Do outreach to faculty to find out what new courses are coming and do not allow them until funding for library materials is available. (Ottaviani)
- Virginia Tech Interlibrary loan department is shipping much more to multiple locations to distance students. (Thompson)
- The University of Pennsylvania is working with the on-line learning program to get them to link to the library from their on-line course web pages. There's little demand from the distance students. (Gretchen Sneff)
- University of Kansas had a branch campus 40 miles from Lawrence that taught first grad, then undergrads. The goals are different in industry courses. It's not research oriented, so there was no demand for materials from the branch campus. (DeSart)
- George Mason University distance students go to a local research library for materials. (Jennifer Edelman)
- Michigan State University is getting lots of statewide use from distance medical and engineering students. Their campus has distance labs and virtual courses. The library's 800 number is busy. (Volkening)
- The University of Alabama, Huntsville has a library component in the 100 level engineering courses. (Susan Herring)
- Drexel University has an information literacy class for freshmen (Jay Bhatt)

(Prepared by Pat Johnston, Georgia Tech.)

Session 2341 Libraries and the Engineering Curriculum

Mark Shelton of Brown University facilitated this session. Barton Lessin, Assistant Dean and Director of the Science and Engineering Library at Wayne State University presented on the Information Literacy Competency Standards for Higher Education. The

Standards were written by a Task Force of ACRL, and are available online at <http://www.ala.org/acrl/ilcomstan.html>. Several organizations and accrediting associations, including the ASEE, have been contacted to endorse the Standards. Lessin encouraged us all to support the Standards within our departments, institutions, ASEE, and other higher education associations. In conclusion, Lessin stated that these are higher education, not library, standards but that information literacy standards provide a new way to increase librarians' impact on students.

The second presentation was by James Van Fleet, Librarian/Information Specialist for Science & Engineering at Bucknell University. Van Fleet highlighted changes in his bibliographic instruction for a chemical engineering course, Process Engineering, between 1989 and 1999. In 1989 Van Fleet would meet with the class for three consecutive weeks to review print resources, then with student teams to cover online tools. By 1999, the instruction evolved to Van Fleet meeting with the chemical engineering class for three consecutive weeks in a hands-on, electronic classroom to review both print and online resources. The student teams then pursue research on their own, referring to Van Fleet as needed. The Web page Van Fleet created for the course is at <http://www.facstaff.bucknell.edu/vanfleet/cheg400.html>. Van Fleet stated that he feels his role has changed from overloading the students with information to helping them winnow out the good information. The students are much more comfortable with the Web resources than they ever were with the print resources, and the course professor reports that the quality of the papers has improved.

In the Q&A session, there were many interesting points made about libraries' role in promoting information literacy. Some of these were

- often faculty are not information literate themselves
- faculty often assume students become information literate in high school or by freshman year
- info. literacy standards can be broken down into specific, subject-related tasks; if the standards are not engineering-specific, engineering faculty will not accept them
- standards must be integrated with the curriculum by the institution in order to be successful

(Prepared by Anneliese Taylor, George Mason University.)

Session 2541 Collection Issues Forum Moderator: William Mischo, Director of the Grainger Engineering

Library Information Center and Professor of Library Administration at the University of Illinois-Urbana Champaign.

50+ people attended this forum. Possible discussion topics included

- Core Journal Identification
- Local Journal Utilization Report
- Budget Allocation Models
- Print versus electronic journals
- Cancellation of print/Cancellation projects
- IEEE partnership program
- Standards databases and collections
- Document delivery
- Endowments

The topics discussed at this forum included core journal identification and LJUR, budget allocation models and the IEEE partners program.

William Mischo led off the discussion on core journal identification by displaying the serials database used at U of I. This database contains information on local use of each journal issue as well as how many times the journal was cited by U of I faculty in their publications and how many times they published in the journals. (The latter two pieces of information are obtained from the ISI Journal Citation Reports and the Local Journal Utilization Report.) The bottom line here is that citation, publication, and usage information needs to be coordinated in assessing journal collections. The new Carol Tenopir book, **Towards electronic journals**...was recommended for reading. Some discussion centered on the pros and cons of a centralized serials budget with decentralized libraries.

William Mischo discussed the budget allocation model in place at U of I. The campus mandated this. 60% of the total library's collection budget is divided among departmental funds on the basis of University Academic Unit Factors and Library Factors. The former includes FTE Faculty, MS Degrees, Ph.D. degrees, and instructional units (all levels). The latter include total monographs published in the field and the fund's serial budget. The remaining 40% of the funds are allocated on the basis of requests from selectors.

John Saylor spoke about the IEEE/IEL partners program. Cornell as well as University of Michigan and Virginia Tech are already participants. The pilot will include approximately 10 libraries. The program uses libraries and university departments to recruit members for IEEE by giving the university/library rebates for new members from their institution. Participation in the program means a reduced fee for

IEL as well as free backfiles. Some concerns over this program were expressed.

(Prepared by Carol Resco, Oregon Graduate Institute of Science and Technology.)

Session 3241 Influences of the WWW. Moderated by Tom Volkening, Michigan State University

Over 50 people attended this session that featured three speakers.

John Matylonek from Oregon State University spoke on "Using the Web and a Curriculum Plan to Leverage Library Teaching Opportunities in Engineering." He emphasized the need to make library instruction practical and directly related to what the engineers need or are involved in at the moment. Current educational changes towards a modular curriculum and distributed education provide an opportunity for library instruction. The web provides the technology to support this opportunity. Contact John.Matylonek@orst.edu for a PowerPoint presentation of his talk.

Leslie Reynolds of Purdue University presented "Righting the Wrongs: Mistakes Made in the Virtual Classroom". Leslie reiterated John's point that design of the curriculum and the educational experience have priority over the technology as tool. Lessons learned from the Purdue experience of teaching an information strategies course for electrical engineers were the necessity to be alert to student needs, to diminish student anxiety about the process by some face to face meetings, to use integrated course management software such as WebCT to simplify the process for instructors and students, to use dynamic content to help motivate students, and to put in lots of TIME.

Leslie's paper appears in the ASEE proceedings CD.

Brandon Maramatsu, a lecturer in multimedia at UC Berkeley spoke on the National Science/Mathematics/Engineering/Technology Education (SMETE) Digital Library. The development of SMETE arose from NEEDS (the National Engineering Education Delivery System). This is a digital library for engineering education, which provides courseware for education; SMETE expands on this model. Information about both of these efforts can be found by accessing www.smete.org and/or www.needs.org.

(Prepared by Carol Resco, Oregon Institute of Science and Technology.)

Session 3441 FOCUS ON ELECTRONIC BOOKS

Convention Center Wednesday, June 20, 12:30 to 2:00

Moderator: *Linda Martinez, Duke University*

•The session, *Focus on electronic books* was fast paced, extremely interesting and attended by more non-librarians than any other ELD session.

Two vendors began the session. Jill Thomas from ION Systems, Inc and Elizabeth Worley from Books24x7.

ION (eye on – how eyes act on the computer screen) started in 1992. They produce software that protects and enhances digital information. Thomas discussed the status of the e-book industry today, tomorrow and in the future.

Their literature, distributed to a few on mini-CD and from their website at www.ionsystems.com, offers authors and publishers security/protection, tracking e-commerce by document output, accessibility of databases by publishers at customer level, solutions to front list and back list books, ease of book posting single-file format and test marketing of books.

Their literature says that they provide customers with enhanced on-screen reading, multiple formats, faster and less expensive book access, ease of purchase and a more fun/pleasurable digital book reading experience.

The options today for on screen reading are HTML and PDF, which require text reading by scrolling up and down. Adobe Acrobat protects copyrighted materials but requires downloading the adobe application. ION Systems doesn't require downloading an application for security and allows file output in multiple, user-defined forms (on-screen access, print-on-demand, partial text downloads, audio format, etc.). Multiple formats achieved from a single source file of digital files.

By first quarter, 2000, ION predicts: large scale print on demand publishing – 200 books per hour, custom defined font size for print, "real-time" window to database available to publishers.

Future plans call for: database query capabilities for use to access content compiling and an individualized customized text, ability for end users to annotate for note taking, and on-line-user controlled enhancements (such as changing font size). By 2001, they hope to offer quicker updating of books chapter by chapter.

Books24x7.com provides technical books in electronic format at www.books24x7.com. Elizabeth Morley said that

books24x7 used to be Modern Age Books. Through an annual fee, users have access to their online technical books and journals. They work with publishers to digitize content. One-thousand-one-hundred titles have been licensed and 600 live on-site full content titles are currently available. Browsing by hierarchical topics is popular according to Morley. The synopses done by 24x7 reviewers seems to editorialize a bit according to Pat, your reporter. A search will highlight relevant parts of a book, which can be added to the individual's "bookshelf". The user can edit bookmarks and share bookmarks with a list of colleagues. There is a "feedback" facility on every page. Presently, 24x7 is focused for corporate use. IP validation will be available soon (June, 2000).

QUESTIONS

Users can search without validation, no CD roms, it's an exact copy of the original book, usage statistics are currently unavailable. Tagging is XML (exchange markup language), No pricing yet; it will be based on user size. Success in attracting publishers has been mixed. Some say yes, some wait and see. Morley says that they have signed on eight of the top ten computer publishers including Wiley, MIT Press and McGraw Hill.

The third speaker was Orion Pozo, North Carolina State. He passed around a Rocket e-book and SoftBook, two of 12 such devices that N.C. State has been circulating for a year. In addition, NCSU subscribes to netLibrary (www.netlibrary.com). They selected 1,370 titles from the 10,000 titles currently available through netLibrary. They also advertise the Alex Catalogue of Electronic Texts (<http://sunsite.berkeley.edu/alex>). The N.C. State website for the eBook program is at www.lib.ncsu.edu/colmgmt/ebooks. (Ed. Note- Orion will provide his Power Point slides from the presentation to anyone who asks. His email is orion_pozo@ncsu.edu).

Phase one of the program included developing library procedures, gathering user reaction, exploring innovative uses and developing goals for phase two. This involved staff from acquisitions, cataloging and circulation. Circulation was concerned with loan time, damage to the equipment and recharging. The fears of loaning the equipment didn't materialize and the procedures set up for shortened loan periods and higher overdues was dropped.

There was an average of 12 circulations per device in 12 months. Thirty-two user surveys were returned from nine students, ten faculty, nine staff members and four others; with 78% having no problem using and

82% finding it useful citing multiple titles, size, searchability, clear display and convenience. Thirty-eight per cent said that they read one half or more of a book. Eighty-one per cent would use again, 53% used for leisure reading, 41% read textbooks.

Recommendations were for: loading titles chosen by reader, lighter device, longer battery life and more and better titles.

Based on these comments, future plans call for "use configured content", better advertising out of the library, loading reserve readings and Alex formatting.

Phase two goals are: Expanding memory; (memory has been upped from six titles to 60-100 titles per device); consolidate readers, thematic readers, such as news, best selling fiction, non fiction, science fiction, mysteries and "user configured devices".

SoftBook is dialed up and offers libraries an annual subscription to titles that are downloaded from the 1,000-title database.

N. C. State purchased access to 66% of the netLibrary collection. NetLibrary placed six ads in the campus newspaper to advertise the ebook project. N. C. State monitored use with netLibrary reports, but found the reports inconsistent. The subject breakdown for netLibrary books was: computer science 163, technology 127, economics and business 109 not class related 96 and education 79.

The goals for netLibrary include: Refining the initial collection by swapping off 50% of the collection and developing selection criteria to include: duplication of higher circulating titles, faculty requests, titles used in distance education courses and titles on reserve.

Other electronic vendors, whose titles are cataloged in the OPAC, include National Academy Presses, ACM digital library, IEEE Explore and electronic theses and dissertations.

N. C. State wants to link new title records to electronic books.

Next year they are looking forward to more affordable library e-books, better netLibrary management tools (both software and reports) and simultaneous distribution of print and electronic formats of books like e-journal distribution.

Questions:

Yes, netLibrary electronic titles are in the library catalog.

Ninety five per cent of the NetLibrary titles are available in the print collection
Cost per title? Answer, N. C. State bought 2/3 of the netLibrary collection and there were 329 circulations of the books this year.

NetLibrary statistics are problematic. There is no time limit needed to determine a use of a book; opening to the title page is considered one circulation.

There has been no survey of netLibrary so far.

No one has reported difficulty in using the e-book devices.

The netLibrary one book at a time has posed no problem.

If the user doesn't sign off of a book, it will time out after 15-20 minutes of no activity.

A user can view a book from netLibrary with no password, but must enter one to "check it out".

Sheila Curl was interested in the O'Reilly titles because of their popularity in her library.

There are three types of netLibrary collections according to Jay Bhatt (Drexel Univ.).

(Prepared by Pat Johnston, Georgia Tech.)

Session 3541 – Professional Issues Forum

Deborah Kegel, University of California San Diego,
Moderator

Wednesday, June 21; 2:15 – 4:15

Possible topics that could be discussed were listed on a flipchart:

- Remote reference
- Career development (changing roles)
- Space planning
- Open archives initiative
- 21st century conspectus/collection assessment
- Approval plans/vendors
- Consortia – engineering library input.

A few notes from the two hours of discussions that followed:

*Approval plans - should there be separate ones for engineering libraries? Should titles come shelf-ready? Amy Van Epps has collected data showing Yankee as the most widely-used approval plan. She'll gladly share the data. Other topics: the problem of overlapping databases; NTIS; and Yankee profiles

*Funding – how to get library funding to support new programs. What are start-up costs, and has such information been written up? Beth Brin is searching. Some strategies for making faculty aware of costs were discussed because faculty generally haven't any idea about the costs of things. Possible displays could be used, such as showing the price of a particular journal just the way new cars have price tags on them; or,

show a tall stack of coins next to a journal, for instance. Or use literature guides as a tool, with the prices, to be able to show to profs how much a new program would cost.

*Career development/changing roles – generally and widely discussed were: the T&P process; the future being in "dot.com;" successful strategies for recruiting and attracting good people when salaries are low; ying and yang of dot.com vs. university, where pluses are benefits, job security, vacation, etc.; the slow speed of universities sends people away too. One strategy mentioned for recruiting was to effect an outreach campaign to bring people into the profession. Another is to get students working for you, and then they go on to library school once they're "hooked." Also, speaking to the library schools is an excellent strategy.

(Prepared by Kate Lee, University of Florida)



