



# Engineering Libraries

## division newsletter

MAY, 1998

### Message from the Chair

Welcome to the May Issue of the ELD Newsletter!  
Our division name tells our story--Engineering Libraries Division. Two major objectives of ELD are listed in Article II of our bylaws:

Section 1: To initiate, support, and promote the exchange of information in engineering through leadership within ASEE and cooperation among librarians, information specialists, educators, researchers, practicing engineers, and professional organizations.

Section 2: To promote and strengthen the role of the library/information center as an integral part of engineering education.

#### COMMON PURPOSE AND EXPERIENCE

In my opinion, ELD members share a common purpose. It is to meet the information needs of engineering and technology students, staff, and faculty in local colleges, universities, and companies. Our institutions vary in size and number of programs. Most of us serve undergraduates and faculty. Many libraries support graduate students. The same issues that librarians faced twenty years ago are still present.

Realistically, there has always been information overload. Users may not realize that fact! There are multiple printed indices that help students research a topic using key journal articles, conference papers, technical reports, and theses. It is time-consuming to use printed sources.

Until recent years, access to computerized versions of these indices was provided by librarians/information specialists using fee-based services or by end-user searching at low-cost evening rates. Libraries then began leasing CD-ROM databases and locally loaded databases.

Now the evolution is continuing and includes more digital and full-text forms of information. Whether libraries provide information via print, local campus networks, CD-ROMs in local libraries, or through access from major information suppliers, we are facing new dilemmas. These dilemmas include identifying needed quality sources and finding fair and affordable pricing.

#### INTEGRATION OF INFORMATION INTO EDUCATION

Librarians and faculty are successfully integrating information into the educational experience of engineering and technology students. Information skills must be learned and put to use. This happens when students have assignments that require information skills. While students may learn basic information skills in high school, most benefit from increased information literacy and discipline specific skills.

Librarians must share issues and dilemmas with faculty. They need to know more about sources that are important to their disciplines, changing methods of access, costs of printed and computerized materials, and library budgets.

#### WHAT IS OUR FUTURE?

Engineering libraries are valuable resources. We do not have unlimited resources. We come from vastly different situations; some of us may serve 200 students and some may serve over 5000 students.

I am concerned for the future. Each of us needs to think beyond our local situations to the bigger picture of information access of all engineering students, faculty, and professionals.

Will budget crunches divide us into information haves and have-nots? I've worked in both worlds. Are some of us going to have to sacrifice our students' access to information? Will we only be able to afford the basic sources?

We need to continue conversations with our college and university faculties who are the authors of information housed in our libraries. We also need to continue conversations with information producers who make information available. Librarians and faculty members must work together to find solutions and fair pricing!

I look forward to seeing you at the ASEE Annual Conference in Seattle!

Charlotte A. Erdmann  
Chair, Engineering Libraries Division

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## Conference Program Update

The Annual Conference is a little over a month away— my calendar is set for the final countdown! I'm looking forward to seeing many of you in Seattle; there will be some excellent programs, opportunities for informal discussions, and a wonderful setting (check out the ideas of places to eat, sights to see, elsewhere in this newsletter). I expect we'll have an enjoyable time along the way! If you haven't registered, you can still register for the Advance Registration price of \$320 (member price) until May 15th!

This program update includes the program titles and abstracts, with speakers names and affiliations, and the days and times for each program. Locations for each session are tentatively set and available on the ASEE Conference Home Page [<http://www.asee.org/conferences/html/annual.htm>] under Technical Sessions; check the Final Program that you receive at the conference for finalized locations.

Please note the ELD "unofficial" events which are not listed in the Advance Program, and won't be in the Final Program, but are listed here. These include the Sunday 5 K Run being planned by Kate Lee, the Monday informal "lunch bunch" groups coordinated by Locke Morrissey, and the Wednesday morning tour of the University of Washington Engineering Library coordinated by Chris Byrne and Pam Zilius-Careaga. Also note that ELD is co-sponsoring a technical session on Aerospace Engineering Information with the Aerospace Engineering Division, scheduled at 4:30-6:00 pm on Wednesday! I encourage you to stay through to the very end! Also, Mel DeSart will be organizing some additional informal social activities as well, including a Mariners-Rockies game on Wednesday night, and perhaps some microbrewery visits. Stay tuned to ELDNET-L for those announcements! And last but not least, note that the Society-wide picnic will be held later on Sunday than usual, 7:00-9:00 pm; the Main Plenary will be on Tuesday, 10:30-Noon rather than Monday, and that Mini-plenaries are still on Wednesday, 10:30-Noon.

Congratulations to Gulcin Cribb, University of Queensland; her paper has been reviewed and accepted for publication in the 1998 ASEE Conference Proceedings. Entitled "Information Skills Training for Engineers", she will present her paper during Session 1441, Instructing in the Webbed Environment. I'm looking forward to meeting our colleague from Australia, and hearing of her experiences with designing and implementing information literacy programs. The Conference Proceedings will once again be published on CD-ROM; take a moment during or after the conference to read Gulcin's contribution.

This year, I extend a big thank you to Engineering Information, Inc., INSPEC, and the Institute for Scientific Information for their support of various program and event expenses. I'll provide more details about their support at the conference. Thank you, once again!

And soon, the curtain rises...

In anticipation, *Beth Brin, Program Chair*

### ELD Program, 1998 ASEE Conference

#### Sunday, June 28, 1998

##### Creating Your Own Web Page for Beginners

Sunday, 8:30-12:00, Session 0241

Moderator: Fred O'Bryant, University of Virginia

Co-Moderator: Jill Powell, Cornell University

Ticketed event: \$20.00/person

In this workshop you will learn how to create your own HTML documents in order to publish text and image files for classroom or professional use. Experienced instructors will teach HTML basics in a PC environment using a cross-platform HTML editor for hands-on instruction. Registration is required to attend; attendance is limited to 20 people. The workshop location will be on the University of Washington campus in a University of Washington Libraries PC Classroom. Attendees should meet at the ASEE Registration Desk at 8:30 am in the Washington State Trade and Convention Center.

##### 5K Run

Sunday, 12:30-2:00+ pm

Moderator: Kate Lee, University of Florida

Meet at Seward Park at the covered picnic shelters just inside the entrance of the park at 12:30 pm. Bus #39 runs to Seward Park, and it does run on Sundays. It's about a 20 minute bus ride from downtown Seattle. The run will be along the shore of Lake Washington. A longer route will be available for those so inclined. There are bathrooms near and to the left of the picnic shelter meeting area.

##### Advanced Home Page Creation—Forms, Frames, and Image Maps

Sunday, 2:30-5:30 pm, Session 0441

Moderator: Jill Powell, Cornell University

Co-moderator: Fred O'Bryant, University of Virginia

Ticketed event: \$20.00/person

Make your web pages interactive and more elegant by including forms, image maps, and frames. Forms are used to gather information from your audience or to search a database. Image maps are graphics you can divide into regions which go to different places depending on where you click. Frames allow you to divide your web page into multiple, independently scrolling sections. We will teach these advanced features in a hands-on Macintosh facility using cross-platform software such as AOL Press, which does most of the programming for you. As a prerequisite, you should be able to create a basic web page. Registration is required to attend; attendance is limited to 15 people. The workshop location will be on the University of Washington campus in a University of Washington Mac Lab. Attendees should meet at the ASEE Registration Desk at 2:30 pm in the Washington State Trade and Convention Center.

##### Society-Wide Picnic

Sunday, 7:00-9:00 pm, Session 0705

Pacific Science Center

Ticketed event: \$15.00/person

The Picnic is an informal event that officially opens the conference; it is a great opportunity for ELD members to gather, meeting new attendees and renewing former acquaintances. Look for the signs and the maroon and silver balloons that mark out the ELD gathering place! The site of the picnic, the Pacific Science Center, will be open to only ASEE conference attendees and their guests during this time period. The Center hosts 5 buildings filled with interactive science displays and activities. There will be buses from the convention center to the Pacific Science Center, and also buses taking people back to conference hotels from the Pacific Science Center.

#### Monday, June 29, 1998

##### ELD Get-Acquainted Meeting

Monday, 8:30-10:00 am, Session 1241

Moderator: Eileen Dorschner, MIT

This traditional opening session and ice-breaker encourages input from all attendees to identify the major issues affecting engineering libraries and librarians.

##### ELD Informal Luncheon

Monday, 10:30 am -12:15 pm

Moderator: Locke Morrissey, Univ. of San Francisco

Dutch Treat

An early lunch so we're prepared for our scheduled noon session! Restaurant information will be provided and small groups organized to go separate places for lunch. An opportunity to join your colleagues in an informal setting. It's pay your own way.

##### Instructing in the Webbed Environment

Monday, 12:30-2:00 pm, Session 1441

Moderator: Deborah Kegel, UC-San Diego

## Program Update (cont'd)

(There is no charge for this program, despite what the ASEE Advance Program states.)

How do you teach the variety of interfaces and databases on the Web? What about evaluating what you find? Have course-based web tutorials helped? Librarians will address these questions in this web-edged session.

Presentation 1: Information Skills Training for Engineers, Gulcin Cribb, University of Queensland

Presentation 2: Web-based Instruction at Wendt Library, Amy Kindschi, University of Wisconsin-Madison

Presentation 3: Adding Interactivity to Web Instruction with JavaScript, Laura Smart, San Diego Supercomputer Center, University of California-San Diego

### ELD Poster Session

Monday, 2:30-4:15 pm, Session 1541

Moderator: Catherine Soehner, UC-Santa Cruz

A variety of innovative projects and descriptions of current activities will be presented by Engineering Libraries Division members.

Presentation 1: Personal Productivity Web Pages for Faculty, Fred O'Bryant, University of Virginia

Abstract: The University of Virginia Science and Engineering Library has undertaken a pilot project to provide web-based Personal Productivity Pages (PPPs) to faculty in the sciences and engineering. Each faculty member's PPP is a personal tool that conveniently collects and organizes all the information resources he/she needs and uses in his/her daily work. PPPs are not designed to replace individual "home pages" or class-related web sites; rather, they augment and enhance each person's efficient use of web resources, whether those resources are a sophisticated database, course materials, a library catalog, a web search engine, the local weather forecast, or a link to a favorite travel agent. PPPs go beyond traditional bookmark lists by providing a value-added organizational framework backed by the research and evaluative skills of library staff in helping faculty identify the best, most reliable and useful resources to meet his/her individual research, teaching, and personal needs. In addition, we provide training in the effective use of the web resources selected for each person's PPP and help them configure their hardware and browsers to insure peak skills and capability. This display will describe the typical PPP, explain how it is constructed and maintained, and explore how the library and science/engineering faculty are working together to enhance teaching and research at the University of Virginia.

Presentation 2: Moving to the virtual classroom: issues and considerations, Leslie J. Reynolds, Purdue University

Abstract: When converting a course to a digital, asynchronous environment, there are a number of issues and considerations that must be taken into account. Information Strategies is an established course that has been taught at Purdue University for three years and is required for Electrical Engineering Technology and Dean's Scholar students. It introduces students to the essential techniques of information retrieval, analysis, organization and presentation. There is a growing demand for this course, and a need for it at Statewide Technology sites where distance learners are earning engineering technology degrees. Computer mediated communication as a form of distance education, advantages and limitations of the technology, methods of addressing learning styles and insuring interaction with students will be presented.

Presentation 3: The Network for Excellence In Manufacturing(NEM) Online Project, Tom Volkening, Michigan State University.

Abstract: NEM Online is a federally funded grant project to develop a database of Internet resources of value to small and medium sized manufacturing companies. The project is in its' last year of funding. This poster session will provide a brief overview of the project, a description of current activities, and future plans.

Presentation 4: 297D/Enigmatic Computers: A Unique Teaching Experience, Kelly Jordan, Penn State University

Abstract: Enigmatic Computers is a new experimental course open to first year women engineering students at Penn State. The course is

designed to introduce students to basic computer hardware and software applications that are used in the engineering classroom and in course work. Under the direction of the Penn State Women in Engineering Program and the Engineering Library, the course provides a unique opportunity for instruction and student interaction. This poster will describe the background of the course, the content of course, and how it benefits the students and the Engineering Library.

Presentation 5: Creating a Science, Technology and Society Collection, Paige Gibbs, University of Massachusetts—Dartmouth

Abstract: The assignment: "Establish a development (i.e. fundraising) project for Engineering. The project must be cross-engineering. It must be for books, with an initial fund of \$50,000. The money must be raised outside of the university." The response: A Science, Technology and Society collection. The presentation will address the establishment of this collection including: developing a collection development policy, identifying donors, composing fund raising communications and literature and an analysis of this work in progress.

Presentation 6: A Faculty/Freshmen/Librarian Web Partnership: Sports Products, Inc., Eileen Dorschner, Massachusetts Institute of Technology

Abstract: MIT's Freshman Advisor Seminars bring together a member of the faculty and 6-8 Freshmen to informally explore a topic of mutual interest. Sports Products, Inc., is a seminar which involves designing a new product for a market opportunity suggested by a well known supplier of recreational equipment. A web page was designed to introduce these new students to the MIT Library System, to provide them with information about conducting market research, and to make available sources of technical information accessed through the Library System's web pages. Eventually the Seminar site became an interactive partnership, with students also adding links of interest to the pages maintained by the Librarian.

Presentation 7: Designing a Multifunctional Web Site Interface, Andy Shimp, Yale University

Abstract: With the proliferation of Internet-based information resources, and the prominence of the World Wide Web, the library Web site is increasingly important as an access point to collections and services. The Yale University Library has initiated a major effort to upgrade public computer terminals to Ethernet-connected, NT-based workstations utilizing a Netscape interface. At the Engineering & Applied Science Library, the Library's home page is the primary user interface for the OPAC and other electronic resources. This presentation will explore the issues involved in designing a Web site with the multiple functions of a local (in-house) user interface to electronic library resources, a research tool for both local and remote users within the University community, and as an introduction to the Library for the larger community of researchers and Web users.

Presentation 8: Engineering Education as a Knowledge Discipline, Nestor Osorio, Northern Illinois University

Abstract: This study looks into engineering education as a body of knowledge. It identifies for example: professional societies, conferences, journals, monographs and other publications, as well as, Internet coverage e.g. Web sites, Web publications, listservs, chatrooms, etc. This study is not a bibliography but rather an analysis of the what, where, when, who and how engineering education professionals make contributions to the field. It will have U.S. and international coverage with emphasis in the 1990's.

Presentation 9: Initiatives Addressing Scholarly Communication, Katherine Thomes, University of Pittsburgh

Abstract: This poster session will present information about initiatives by the ARL, AAU, and PEW Higher Education Roundtable to address the rising costs of scholarly publication. There will be a focus on what faculty, administrators, librarians, and students can do to start to turn around the present situation.

*continued on page 4*

## Program Update (cont'd)

**ABET Accreditation and the Library—Issues, Developments, and Concerns**

Monday, 4:30-6:00 pm, Session 1641

Moderator: Marilyn Von Seggern, Washington State U.

How are library collections and services viewed during accreditation reviews? How will ABET 2000 change the current process? What is the Engineering Libraries Division doing to help set benchmarks? These issues and others will be addressed in this session.

Presentation 1: The Impact of C2000 on Support Programs, Dayne Aldridge, Auburn University

Presentation 2: C2000 Impact on Libraries, Helen Shuster, Worcester Polytechnic Institute  
Presentation 3: Evaluating Engineering Library Resources and Services, Karen Andrews, University of California—Davis

### Tuesday, June 30, 1998

**Building Digital Libraries**

Tuesday, 8:30-10:15 am, Session 2241

Moderator: Larry Thompson, Virginia Tech

The development of digital libraries takes many forms. This session highlights three digital library projects which have very different foci. The Los Alamos National Laboratory has developed a full-image in-house technical reports library, Stanford University is developing technologies to support user access to geographically wide-spread services, and SPIE is increasing the number of its titles available digitally for commercial distribution.

Presentation 1: Electronic Full-Image Reports at Los Alamos National Laboratory, Mona Mosier, Los Alamos National Laboratory

Presentation 2: The Stanford Integrated Digital Library Project, Andreas Paepcke, Stanford University

Presentation 3: SPIE's Digital Publishing Strategies, Rick Hermann & Eric Pepper, SPIE—The International Society for Optical Engineering

**Information Technology Update: Indexing, Filtering, Personalizing the Web**

Tuesday, 2:30-4:15, Session 2541

Moderator: Nancy Schiller, SUNY-Buffalo

This session will take a look at what librarians and information specialists are doing to help information seekers manage the World Wide Web and its vast resources. The focus will be on the new types of services and products being developed and their underlying technologies—from push and pull to perl and Java-script.

Presentation 1: Database Advisor & Monitor: Agent-like Web Programs for Libraries, Christy Hightower, University of California—San Diego

Presentation 2: Creating Personalized Information Services with Intranet Technologies, Robert Schwarzwald, Ford Motor Company

Presentation 3: Indexing Web Resources: Software Tools and Processes, Michael Nanfito, Bridge Information Services

**ELD Annual Business Meeting**

Tuesday, 4:30-6:00 pm, Session 2641

Moderator: Charlotte Erdmann, Purdue University

This is the Division's opportunity to handle the nuts and bolts of the Engineering Libraries Division. All ELD members are encouraged to attend.

**ELD Annual Banquet**

Tuesday, 6:30-10:30 pm

Offsite: TULIo

Moderator: Mel DeSart, University of Kansas

Ticketed event: \$40.00/person

The banquet will take place at TULIo immediately following the ELD business meeting. The dinner will be preceded by a cocktail hour from 6:30-7:30 pm. This local restaurant has great reviews from those "in the know" in Seattle. It features Italian fare with a TULIo flare, and has a

great atmosphere. The banquet follows the ELD Annual Business Meeting and is a great way to unwind after a full day. A favorite event of mine, please consider creating another memorable experience with your ELD colleagues and guests by joining us at TULIo. The restaurant is within walking distance, about 6 blocks from the Convention Center, in the Hotel Vintage Park at 5th Ave. and Spring St.

### Wednesday, July 1, 1998

**ELD Extended Exec. Com. Mtg./ Breakfast**

Wednesday, 7:00-8:15 am, Session 3141

Moderator: Beth Brin, Boise State University

Ticketed event: \$14.00/person

The Engineering Libraries Division's Extended Executive committee will complete the business of operating the division for the coming year. This includes preliminary planning for the 1998 annual conference.

**ELD Extended Exec. Com. Mtg II**

Wednesday, 8:30-10:15 am, Session 3241

Moderator: Beth Brin, Boise State University

This is a continuation of the morning session (#3141) with special emphasis on program planning.

**TOUR of the University of Washington Engineering Library (for those not on the Extended Executive Committee)**

Wednesday, 8:30-9 "ish" am

Moderators: Chris Byrne and Pam Zilius-Careaga

Meet at the UW Engineering Library between 8:30-9:00 am. Morning munchies will be available. Instructions on how to get there will be provided at the conference. For those not trying to get back to the Miniplenaries (10:30 am), there will be an opportunity to visit other UW Libraries as well.

**PIC IV Awards Luncheon**

Wednesday, 12:30-2:00 pm, Session 3484

Moderator: Dick Culver, PIC IV Chair

Ticketed event: \$24.00/person

The Engineering Libraries Division is a member of the Professional Interest Council IV (PIC IV). Divisional awards such as the Homer I. Bernhardt Award and the Ford Motor Company's Digital Librarian Award will be presented at this luncheon. The luncheon is an opportunity to showcase aspects of ELD through the awards presented. ELD officers and other interested ELD members are encouraged to attend.

**ELD Professional Issues Discussion**

Wednesday, 2:30-4:15 pm, Session 3541

Moderator: Ron Rodrigues, Hewlett Packard Labs

Participants are invited to review information and identify trends from conference sessions and offer their opinions on a variety of issues affecting engineering librarians.

**Aerospace Engineering Information: How is it Helping Keep the Competitive Edge?**

Wednesday, 4:30-6:00 pm, Session 3641

Moderator: Thomas DePetro, Wichita State University

Co-Sponsor: Aerospace Engineering Division

Experts in the field of aerospace engineering information will report on current practices and new developments, especially related to using information to keep engineers and engineering companies competitive.

Presentation 1: Providing a Coordinated Focus for Engineering Information at Boeing, Kathy Harkness, Boeing Company

Presentation 2: Using Library Services and Information for Competitive Advantage, Kioumars Najmabadi, Boeing Company

Presentation 3: Aerospace Engineering—AIAA Information Sources, Karen Holloway, American Institute of Aeronautics & Astronautics

## Insiders Guide to Seattle

by Christina Byrne, Chandra Heller, and Maureen Nolan  
Librarians, University of Washington.

The Space Needle. The Monorail. The usual. Interested in the "real Seattle?" Local librarians in Seattle offer their list of favorite places to go and things to see in Seattle. As this is only a brief introduction, please visit our web site for additional and up-to-the-minute information — <http://www.lib.washington.edu/engineering/asee/>.

### Weather and Outdoor Activities:

Summers in Seattle are spectacular: mild temperatures, long hours of daylight and low humidity. After months of rain, Seattleites spend as much time as possible in the summer enjoying the outdoors. Seattle offers a wealth of natural beauty that can be enjoyed by bicycle, kayak, blade skates or on foot. Parks, gardens, trails, mountains, lakes and the Puget Sound beckon. A guide to outdoor activities is included on the website. Insiders Guide Tip: Despite the promise of sunshine, don't forget to bring your umbrella!

How to order an Espresso Drink: Coffee in Seattle is an institution. The following is the Insiders Guide on how to order espresso drinks like a native:

Espresso drinks generally come in three sizes: short (8 oz), tall (12 oz) and grande (16 oz). For the severely caffeine-deprived there is the venti (22 oz). The espresso is served in "shots." Order a single, double or triple. You can also choose the type of milk you want: non-fat, two percent, whole, soy, or rice. The drink types are all variations on espresso, milk and added flavors (chocolate syrup or flavored syrups):

Espresso (es-PRESS-oh): a rich, flavorful ounce of coffee produced by forcing steam through finely ground, dark roasted coffee.

Latte (LAH-tay): Espresso mixed with steamed milk.

Cappuccino (cap-uh-CHEE-no): Espresso topped with a float of milk foam. Can be ordered "wet" (1/3 espresso, 1/3 milk and 1/3 foam - the traditional Italian breakfast drink) or "dry" espresso topped with stiffly steamed milk foam floated on the top.

Mocha (MO-kah): Espresso, milk and chocolate. Usually topped with whipped cream.

Espresso Macchiato (ma-key-AH-to): A shot of espresso "marked" with milk foam (just a dollop on top).

Espresso con Panna (cone PAH-nah): A shot of espresso topped with whipped cream.

Breve (BRE-ve): Espresso mixed with half-and-half.

American (ah-meri-KAH-noh): Espresso mixed with hot water to make a "regular" cup of coffee.

Seattle coffee slang: Skinny: Non-fat milk Why bother: Non-fat, decaf Whip: whipped cream The most common syrups to add—vanilla, almond, raspberry, hazelnut and irish cream

Now, just run all this together and you'll sound like a native: I'll have a single tall iced latte double short dry cappuccino double tall two-percent vanilla latte single tall mocha, no whip single short skinny latte triple grande raspberry mocha with extra whip

Where do you find espresso in Seattle? EVERYWHERE!! Literally.

### Neighborhood Highlights:

Downtown: Seattle has all the typical things that you would find in any major metropolis but the highlights are Seattle Center, Pioneer Square, the Waterfront, and Pike Place Market and hillclimb.

Just north of downtown, at the foot of Queen Anne Hill, lies

Seattle Center. The Center is the site of the 1961 Worlds Fair and the film "They Saw it at the Worlds Fair" starring Elvis Presley. We can't recommend the overpriced Space Needle. For equally spectacular views, try the historic Smith Tower or the observation deck from the 88-story Columbia Tower. Don't miss the Pacific Science Center which features hands-on science exhibits and IMAX theaters.

Pioneer Square is Seattle's most historic district. Just north of the Kingdome is a rejuvenated area of bars, nightclubs and galleries. This is a great place to go for a beer before a Mariners Game. Be sure to take the Underground Tour for a unique perspective on Seattle history.

Pike Place Market is Seattle's original Farmers Market. In addition to bountiful fresh produce and fish, there are many wonderful stalls and shops offering local crafts and a wide variety of food. Take the hillclimb down to the waterfront; there are more shops on the way! Seattle's waterfront is a combination of shops, restaurants, tour boat launches, and other attractions — the Seattle Aquarium is here, as well as the Ferry Terminal. Be sure to take a ferry at night to enjoy the lights of Seattle from Elliott Bay. Don't miss Ye Olde Curiosity Shop on Pier 54.

Capitol Hill: The word that best describes this Seattle neighborhood is "diverse." Populated by young singles and retirees, Capitol Hill is also home to Seattle's gay community. Broadway, the main shopping artery through this neighborhood, is lined with boutiques, coffee shops and restaurants. Perfect for people-watching, stroll down Broadway and try your dance skills on the brass dance steps set into the sidewalk, or sip an iced latte at a sidewalk caf while watching the crowds go by. Wander through an area of stately mansions on your way to 44.5-acre Volunteer Park at the top of the Hill to take in the ornamental plants and flowers at the Conservatory (free, open daily from 10-4) or the newly remodeled Seattle Asian Art Museum. Capitol Hill is East of Downtown.

Fremont/Ballard/University District: Fremont is one of Seattle's most unique neighborhoods. It is known as "Seattle's Left Bank" and "the center of the known universe." It is across the ship canal and Lake Union from downtown and Queen Anne Hill. The best way to investigate Fremont is the Fremont Walk (ask a local merchant for a map). This includes all the highlights: the Troll (under the Aurora Bridge), Archie McPhees (Outfitters of Popular Culture), Rapunzel, and the Fremont Rocket (be sure to bring 2 quarters, so you can start the steam!) while all the time leading you through an area of kitschy furniture stores, retro clothing boutiques, pubs and coffeehouses. On the west edge of Fremont is Red Hook Brewery and the Hales Brew pub. Continuing west, is Ballard, our very own Scandinavian neighborhood. Got a hankering for lutefisk? This is the place for you.

The University District, home of the University of Washington, is your typical college neighborhood. High density housing, cheap eats, and a large University set the scene. The main street, University Way (confusingly referred to as "the Ave") is home to the University Book Store.

For detailed information about the sites mentioned above (including hours and prices) as well as detailed pub/restaurant information please visit our website, <http://www.lib.washington.edu/engineering/asee/> or <http://seattle.sidewalk.com/>. ASEE maintains a website that covers the basic sites of Seattle: <http://www.asee.org/conference/html/seattle.htm>

## 1998 ELD Awards Announced!

### 1998 Homer I. Bernhardt Award

The Awards Committee is pleased to announce the 1998 Homer I. Bernhardt Distinguished Service Award will be awarded to Steve Gass, Head Librarian and Bibliographer, Engineering Library, Stanford University at the PIC VI lunch on Wednesday, July 1, 1998 at the ASEE Annual Meeting in Seattle, WA.

### Best Paper Award

Suzanne Weiner is the recipient of the first Best Paper Award for her article "Librarians as teaching team members in a mechanical engineering senior design course" *Science and Technology Libraries* 16(1):3-10 (1996).

### Best Reference Award

The first Best Reference Award goes to "Perry's chemical engineers' handbook, 7th ed." edited by Don W. Green.

### Ford Motor Company Digital Librarian Award

The recipient of this award is Shelly Matthews, an MLIS student at the School for Library, Archival and Information Studies at the University of British Columbia. Her essay is reprinted in this issue of the ELD newsletter.

## Award-winning Essay: Digital Innovation: Streamlining Work Processes

*Shelley Matthews, Ford Motor Company Digital Librarian Award Winner*

Digital Technologies have accelerated in development until their potential now exceeds their application. Librarians can narrow this gap by capitalizing on this unutilized potential to establish an efficient digital environment for scientists, technologists and engineers. As coordinators and communicators they serve as the vital link between information domains.

This brief essay will provide feasible examples of innovative uses of digital technology in a science, technology, and engineering setting. It describes an integrated information system in an engineering environment, designed with the user in mind to streamline work processes. It is implemented based on one of the tenets of librarianship - access.

There are several organizational layers that must be accommodated in sci-tech organizations. To link the employees at all levels communication is essential. An email system is necessary. Employees, wherever they are a participant or wherever their names occur on documents, must be linked electronically to facilitate immediate communication without consulting a reference list. The links extend beyond email to automated phone dialing and fax capabilities. For authenticity, the system includes password security and digital signatures.

An Intranet is also essential. It serves as the main channel of organizational communication. Information is categorized so that it is easily found or searched with a natural language search engine and updateable from desktops throughout the organization. For easy reference, especially as the organization grows, each employee has a web page listing their electronic calendar to determine their availability, and their current projects, with a link to a curriculum vitae database. Any publications they have authored are available in full text from the citation on their cv.

As project teams may be conferencing from various locations, either by video or telephone, a project management module provides a summary of all aspects of the project. On the Intranet, each project has a detailed profile including information on budgeting, staff, clients, strategic partners, and a timeline for completion.

In support of the projects are two other modules, data and information. The data module provides an electronic chalkboard for ideas as the team brainstorms. It stores any CAD drawings or

procedures or documents emanating from the project as it develops. It may also hold test results, laboratory analyses, and other numerical data for graphical and statistical analysis.

The information module satisfies the reference and research needs of the project team or individual. It encompasses and integrates information resources including supplier's catalogs, standards, journals in full text, bibliographic databases, the library catalog, client profiles, current awareness summaries, competitive intelligence information, and a secure link to the Internet. The Internet link has value-added features like project-related bookmark files, tips and tricks for users of all levels of sophistication, and a guided tutorial tailored to the firm's needs. Throughout the information module the user has the ability to contact the librarian directly in the format of choice, by phone, email or in person, and an overview of the array of services available is also viewed as the user enters the module.

The librarian serves as a facilitator in three respects. The first, providing the logical structure for the streamlined work environment, is a natural extension of the librarian's traditional role of considering the information need of clients and developing a system that satisfies those needs. Working with IT professionals, they can translate the structure into a seamless system, making the right choices as software and hardware consumers along the way.

In the second respect, the librarian is a mediator. Acting on behalf of the organization within the larger community of information provision, the librarian works with associations and publishers, ensures full text access, and maintains strategic partnerships with cooperative information networks. Digital innovation can equate to access only with a hard-line stance in negotiations and foresight in the formation of alliances.

In the third respect, the librarian serves as a guide for the individuals that form the organization. Through training and reference the librarian makes direct contact with users. While the user is in the system they are indirectly benefiting from the expertise of the information professional that lies at the heart of the success of their organization. The mutual understanding of the client-librarian relationship is the kernel of achievement for all digital innovations.

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## People & Places

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**Nancy Schiller**, Engineering Librarian in the Science & Engineering Library at the University at Buffalo, is Co-Principal Investigator on a two-year, \$120,000 Undergraduate Faculty Enhancement Program grant through the Division of Undergraduate Education of the National Science Foundation. The focus of the grant is on fostering case study teaching in the sciences. The project will involve an annual five-day workshop for college science faculty drawn from around the country who will be trained to teach with cases, to write cases of their own, and to access a large body of existing science case studies. Workshop participants will also produce a case study within six months of

the workshop for publication on the UB Case Studies in Science Web site, which is being developed with NSF support as a national clearinghouse for science case studies. For more information about the workshop and the growing UB Science Case Study collection, see the Case Studies in Science Web page at <http://ublib.buffalo.edu/libraries/projects/cases/case.html>.

**Ron Rodrigues** is no longer with the Dialog Corporation. He is now an Information Research Consultant with Hewlett Packard Labs Research Library. He can be reached at:  
(650)236-2805  
[Ron\\_Rodrigues@hlp.hp.com](mailto:Ron_Rodrigues@hlp.hp.com)

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## New Member Bios

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**Connie Bihon** is the Technical Information Center Supervisor for the Sperry-Sun Drilling Services Technical Information Center, Dresser Center, Houston, TX. Connie has been at Sperry-Sun for 7 years. Connie received her MLS from Western Michigan University and a BS in Education from Millersville State College, Millersville, PA. Prior to Sperry-Sun, Connie worked for 12 years as a research librarian with Pennzoil and 3 years as a science-technology librarian at Texas A & M University.

**Paul Bracke** is the Visiting Engineering Librarian at the Grainger Information Center, University of Illinois at Urbana Champaign. He has been in this position for 4 months. Paul received his MLS from the University of IUIC and has a BA in History, BJ Magazine Journalism from the University of Missouri at Columbia.

**Aimee deChambeau** is an Assistant Professor of Bibliography at the University of Akron, Science and Technology Library, Akron, Ohio. She also is the SciTech Webmaster for the Library. Aimee earned her MLS, as well as a Certificate of Advanced Studies, Library Automation (post MLS), at the University of Pittsburgh. She has a BS in Education (Library Science) from Clarion University. Aimee has been in her current position for 5 months. Prior to coming to Akron, she served as the User Services Consultant for the Electronic Information Network for Libraries in Allegheny, PA, as Science Librarian at the Carnegie Library of Pittsburgh, and as Science Information Specialist at Carnegie Mellon University.

**Joanne Goode** is a Science Librarian at Oxford, Ohio and has been in this position for 3.5 years. She has selector/liaison responsibilities for Mathematics/Statistics, Systems Analysis, and Manufacturing Engineering. She is currently teaching a one credit class on Web Publishing. She received her MLS from the University of Kentucky and a BS in Education from Bridgewater State College, Bridgewater, Massachusetts. Prior to coming to Miami, she spent 10 years at the University of Kentucky initially as the Head of the Mathematical Sciences Library and then

working on contract to IBM Corporation and Lexmark International Inc. to manage their Information Centers in Lexington, KY.

**Amy Kindschi** is Head of Services at the Wendt Library, University of Wisconsin-Madison. She has been at the Wendt Library for 5 years where she has also served as the Technical Reports Center Assistant Librarian. Prior to these positions, she was the Librarian for the Wisconsin Department of National Resources Research Library.

**Thomas Murray** is the Director of the Wendt Engineering Library, University of Wisconsin-Madison. He has held this position for 10 years. In addition to an MLS, he has a MS in Science and Technology Reporting. He formerly held the position of Director, Publications, College of Engineering at Wisconsin - Madison.

**Leslie Reynolds** is the Assistant Engineering Librarian and Assistant Professor of Library Science at the Siegesmund Engineering Library of Purdue University. She has been in this position for eight months. She is currently teaching Information Strategies, a one credit course for Electrical Engineering Technology students. Leslie received her MLS from the University of Illinois at Urbana Champaign in May of 1995. She has a BA in Journalism and Mass Communication from Drake University, 1992. She has also held positions as the visiting Assisting Engineering Librarian and Assistant Professor of Library Administration at Grainger Engineering Library, University of Illinois and as Reference Librarian at Bradley University. Leslie will be presenting a poster session titled "Moving to the Virtual Classroom: Issues and Considerations" at the ASEE '98 Conference.

**Mary Schlembach** is the Assistant Engineering Librarian for Digital Services at the Grainger Engineering Library Information Center, University of Illinois. She has been in this position for 3.5 years. In addition to her MLS, she earned a CAS in Library Automation. Her responsibilities include database design, programming and reference.

# ASEE Engineering Libraries Division Annual Reports – 1997-1998

## Accreditation and Standards Committee Report

The focus of this year has been to convert the data from the 1995/96 ELD Statistics Survey from the Foxpro version to Access. This will enable easier report production and more sophisticated comparison of data elements. This is now virtually complete.

Two requests for comparison data were received. The needed data were compiled and sent out.

More surveys need to be completed to have an adequate source of comparative data. Getting people to fill out the survey is still difficult.

Committee members will make another attempt to get either surveys or ABET data from librarians at non-represented institutions.

A program has been scheduled for the 1998 annual meeting on accreditation issues. It is unknown at this time whether or how the ABET 2000 criteria will affect the evaluation of library services and resources.

Respectfully submitted,  
*Karen Andrews, Chair*

## Archivist's Report

The archives were accessed twice this year to answer questions from ELD members. The first one concerned the starting date and background of the creation of the Division's listserv, ELDNET-L, and the ELD Web site. The second request was for the names of the recipients of the Homer Bernhardt Distinguished Service Award. In both instances, the questions

were answered after consulting past newsletters, meeting minutes, and committee records.

Respectfully submitted,  
*Don Richardson, Archivist*

## Awards Committee

The committee had a very busy year. We selected recipients for four awards, including the Homer I. Bernhardt Award, Ford Motor Company Digital Librarian Award, a Best Paper Award and a Best Reference Award. The latter two awards are new this year. We finalized timelines, criteria and evaluative methods for these awards and the chair worked with ASEE headquarters to have the two new awards added to the official roster of ASEE Awards. Due to other responsibilities Carol Robinson resigned from the committee.

Ford Motor Company once again agreed to sponsor a new engineering librarian's attendance at the Seattle meeting. The Awards Committee

revised the criteria for the Ford Motor Company's Digital Librarian Award, promoted it heavily using various media, and selected a winner who will join us at the Seattle conference.

The chair investigated corporate sponsorship for the new awards. A potential corporate sponsor for the Best Reference Award was identified. The division needs to agree on the monetary amount donated by corporate sponsor before negotiations can proceed. The committee is also considering forming a separate committee(s) to handle selection of the Best Reference and Best Paper awards.

Respectfully submitted,  
*Linda Musser, Awards Committee Chair*

## Electronic Discussion List (ELDNET-L) Editor

ELDNET-L is the ELD-sponsored electronic (listproc) discussion list addressing issues related to or of interest to engineering and related subject area libraries and librarians. ELD members constitute the core of the list membership, although subscription is open to anyone.

As indicated from the statistics at right, ELDNET-L subscription is down (a little less than 8%) from last year. However, many of the addresses which are no longer subscribed to the list were either old and/or variant versions of addresses of individuals who are still subscribed to the list (the listproc software does a better job of housecleaning than the old listserv software did). A quick analysis of who IS subscribed to the list shows that the number of subscribers directly involved with engineering or physical sciences libraries has actually INCREASED since this time last year. We ARE getting to more of the people we're trying to reach to subscribe to the list.

The biggest change with ELDNET-L in the past year is its move to a new machine address and a new operating platform. The list now operates on the UNIX-based listproc e-list software rather than the older listserv virtual machine software. While initially causing some major problems for me and at least some minor ones for most of the

subscribers, the list now seems to be working quite well in its new environment.

While reference questions and position vacancy announcements continue to be the most posted types of messages, subject/product specific information postings and (recently) posts for discussion on particular topics (IEE/INSPEC pricing and IEEE information access policy, for example) are on the increase.

It appears that a few new subscribers to ELDNET-L have, in turn, joined ASEE and ELD, as I hope our Membership Committee Chair's new numbers will show. As ELDNET-L's visibility increases, hopefully so will the number of subscribers AND the number of people who agree to join ASEE and ELD.

Respectfully submitted,  
*Mel DeSart, ELDNET-L Editor*

<p>ELDNET-L subscriber history: Start-up (August 1991):62 1991/92 annual report:119 1992/93 annual report:187 1993/94 annual report:314 1994/95 annual report:436 1995/96 annual report:477 1996/97 annual report:464 1997/98 (a/o 4/22/98):428</p>
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## Membership Committee

As of April 1, 1998, the ELD roster from ASEE headquarters lists 164 members, 6 fewer than were listed for this same date last year. We have 11 Canadian members (and one more who promises to re-join in time for Seattle!), and 1 member each from New Zealand, the Netherlands, and Portugal. Additionally, there are 10 people who are librarians who are members of ASEE who are not members of ELD. I have contacted each of them to encourage them to amend their ASEE memberships to include ELD membership, as well! So, if we count all 10 of them, then our numbers are "holding steady". In last year's report, I stated that I was hoping to hit the 180 mark by June of 1997, but we are losing a few members due to: non-librarian members no longer wanting to pay our divisional dues (increases back in 1996 from

\$1 to \$5), quite a few of our librarian members have recently retired, and (ee gads!) the move of a few folks out of engineering librarianship. At the annual conference, we always pick up 5-7 new members who become members as a result of registering at non-member rates. The division's membership remains at an all-time high, and there is still a global representation within our membership, but that does not mean that we can ever relax in our recruitment efforts -- until we have recruited every last academic engineering librarian throughout the world into our midst! The goal is to ensure that every academic librarian who is involved in engineering or computer science librarianship who wishes to receive the benefits of ELD membership is informed of the opportunity to do so.

Deborah Kegel (west coast), Joanne Goode (middle coast), and Eileen Dorschner (east coast) are the current regional biographers of new ELD



## ASEE Engineering Libraries Division Annual Reports (cont'd)

### Membership Committee (cont'd)

members in the Division's newsletter. Fred O'Bryant produced the ELD 1998 membership directory for distribution to all members, and works tirelessly throughout the year to track all membership address changes to be reported to directory recipients via the newsletter.

As of April 1st, the Chair had mailed out a total of 68 "Invitation to Join ELD" packets to prospective ELD members throughout the world. The recruitment packets are sent out in response to: new ELDNET-L subscriptions (these seem to have slowed down a bit since we seem to have MOST engineering librarians on-line these days); "leads" from messages posted to other discussion lists or "people and places" listings in other professional organizations' newsletters; gentle prodding from the ELDNET-L moderator in various messages he posts to the list; leads from other membership committee members, as well as other extended executive committee members; and, of course, the invaluable leads from the general ELD membership. Additionally, ELD recruiters continue their all-out "in-your-face" bombardment on several online fronts to attract additional new (and lapsed) members. These recruitment strategies include: publicizing the distribution of the new membership directory; publicizing contact info for membership in many ELD conference announcement mailings; publicizing "the ELD conference experience" commentaries solicited from the ELD membership; and posting a

"scouting report" on the upcoming conference site. Each of these efforts flush out yet more "lurkers" on ELDNET-L (and STS-L, in the case of the ELD conference announcement that will be posted to that list) who finally decided to give ELD membership a go. The Chair had also contacted 30 lapsed members to urge them to reinstate their ELD memberships (many of whom did). It is expected that there will be, as is customary, MANY new faces at the ELD sessions in Seattle and, because of its non-humid and muggy location, we will hope to see another all-time high in ASEE annual conference attendance by the ELD membership.

The behind-the-scenes membership work is conducted smoothly and with great humor due to the marvelous teamwork of the scouts/liaisons, the membership directory editor, the newsletter editor, the ELDNET-L moderator, the new member biographers, and the program chair.

1997/98 Membership Committee Members: Eileen Dorschner (New Member Bios), Norma Godavari (Canadian Liaison), Joanne Goode (New Member Bios), Deborah Kegel (New Member Bios), Fred O'Bryant (Membership Directory Editor), F. Orion Pozo (Chief Scout), and Glee Willis (Chair)

Respectfully submitted,  
Glee Willis, April 17, 1998

### Nominating Committee

Each year, the nominating committee develops a slate of candidates for the position of ELD Director (one elected each year for a two-year term) and ELD Secretary-Treasurer (to begin the three-year cycle of Secretary-Treasurer, Program Chair, and ELD Chair).

This year's slate is listed below. Each candidate has expressed interest in serving the Engineering Libraries Division by filling the respective positions.

#### A. For ELD Secretary-Treasurer:

1. Linda R. Musser  
Librarian, Earth and Mineral Sciences Library  
Pennsylvania State University

#### B. For ELD Director (listed in sequence of nomination):

1. Nestor L. Osorio  
Associate Professor, Science and Engineering  
Librarian  
Northern Illinois University

#### Candidate's Statement:

"Engineering-Science Librarian at Northern Illinois University. Professionally one of my major satisfactions is to see my contributions in the last ten years to the new College of Engineering and Engineering Technology at Northern. As an ELD Director I will follow the very successful lead of my predecessors and will help direct our society into a new and exciting millennium."

2. Thomas C. Volkening  
Librarian, Engineering Library  
Michigan State University

#### Candidate's Statement:

"I am the Engineering Librarian at Michigan State University and have been a member of ASEE-ELD since 1985. As Chair of the Michigan ACRL chapter I helped organize two day long programs. I think ELD can help its members in the transition to the increasingly electronic library of the future."

Regarding the election itself, your attention is called to three relevant provisions of the ELD By-Laws: (1) "Additional nominations may be made from the floor of the ELD Annual Business Meeting, providing the consent of the nominee has been obtained." (2) "When there is more than one candidate for a position, election shall be by a secret ballot of those registered ELD members present at the Annual Business Meeting" (scheduled for 4:30 pm, Tuesday June 30, 1998). (3) "The candidate receiving the highest number of votes shall be declared elected."

The 1998-99 Nominating Committee consists of: Christy Hightower, University of California--San Diego, Ann Ward, California State Polytechnic University, and Andy Stewart, University of Missouri--Rolla (573-341-4007 or astewart@umr.edu). Committee members truly appreciate the spirit of willingness evinced by all nominees (and nominators).

Respectfully submitted,  
Andy Stewart

### Publications Committee and Literature Guides Subcommittee

The Publications Committee has reviewed two papers for this year's proceedings and accepted one.

The Literature Guides Subcommittee is working with compilers to finish up incomplete guides and is seeking proposals for new ones. If you have an idea for a guide, please contact Sheila Curl (Curl @purdue.edu) or Kelly Jordan (kxj@psulias.psu.edu). The Subcommittee plans on meeting

during the annual conference. Meeting date and location will be announced at the Get-Acquainted Meeting. Anyone interested in joining the committee is encouraged to attend the meeting.

Respectfully submitted,  
Godlind Johnson and Kelly Jordan

### Publications

Schwarzwalder, Robert, and Michelle Kazmer, "Electronic Information Resources: Your On-Line Bookshelf," in *Mechanical Engineer's Handbook*, 2nd. ed., ed. Myer Kutz (New York: Wiley, 1998), pp.2269-2285.

Thomes, Katherine, and Karen Clay, "University Libraries in Transition," *ASEE Prism*, v.7, April 1998, pp.26-29.

## Changes to the 1998 Edition of the ASEE ELD Membership Directory

Jackie Shane  
Patents and Trademarks/Government Documents Librarian  
Centennial Science and Engineering Library  
University of New Mexico  
Albuquerque, NM 87108  
505-277-5327  
FAX: 505-277-0702  
E-Mail: JSHANE@UNM.EDU

Maris Roze  
NEW AREA CODE:  
630-571-7700 Ext. 2807  
FAX: 630-571-0317

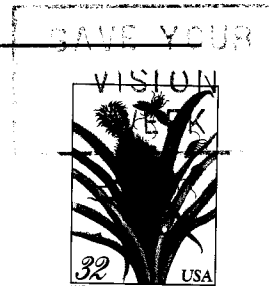
Johann van Reenen  
Director  
Centennial Science and Engineering Library  
University of New Mexico  
Albuquerque, NM 87131  
505-277-8310  
FAX: 505-277-0702  
E-Mail: JREENEN@UNM.EDU  
WWW: <http://www.unm.edu/~csel/staff/johann.html>

Bruce Neville  
Collections Development Co-ordinator  
Centennial Science and Engineering Library  
University of New Mexico  
Albuquerque, NM 87131  
505-277-4760  
FAX: 505-277-0702  
E-Mail: BNEVILLE@UNM.EDU  
WWW: <http://www.unm.edu/~bneville/>

Joseph R. Kraus  
NEW TITLE, PHONE NUMBERS, E-MAIL, WWW  
Science Librarian  
303-871-4586  
FAX: 303-871-2290  
E-Mail: JOKRAUS@DU.EDU  
WWW: <http://www.du.edu/~jokraus/index.html>



American Society for Engineering Education  
Engineering Libraries Division Newsletter  
325 Hammond Building  
University Park, PA 16802



20024 FRU 03/29/98  
Melvin G. DeSart  
3204 West 29th Terrace  
Lawrence, KS 66047

