

Engineering Libraries

Division Newsletter



American Society for Engineering Education

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Message From The Chair

The most important issue at hand is the proposed increase in the Engineering Libraries Division dues. They currently are \$1.00 per year. We are proposing to raise them to \$5.00 per year. This matter was discussed at last June's Extended Executive Committee meeting when I agreed to put the matter to the membership. ASEE headquarters requires the following procedure: The Division membership as a whole must vote on the question. If an absolute majority (not just a majority of a quorum) approves, the proposal goes to the ASEE Board of Directors who meet in June at the Toledo Conference, and then not again until October. When they approve, we can implement the dues increase.

The increase is necessary for the following reasons: the increasing costs of doing business; the recent imposition of a minimum \$50.00 one-day Conference registration fee for outside resource people who come as guest speakers to our sessions; the steady decline of the balance in our BASS (Basic Accounting Services System) account; the decline in sales of our information guides; the need for seed money to publish upcoming information guides that have been awaiting publication; the need to publish an updated ELD Membership Directory. (We have enough money to publish either one of the last two items but not both.)

I am confident each of you values the continued vitality of our organization and will agree that \$5.00 is truly a bargain for membership in a national organization. Elsewhere in this Newsletter is your ballot [*Editor's note: ballot is on the very last page above the mailing label*] in which you can either approve or disapprove the increase to \$5.00. It is important for everyone to participate in the vote so we can count on getting a positive response from the majority of the members. You are being asked to share in the costs and labor by tearing out the ballot and providing a mailing envelope and postage. Your involvement and assistance are greatly appreciated.

The plans for the ELD activities at the ASEE Annual Conference are fitting into place under **Paige Gibbs'** dexterous management. ELD people traditionally congregate at the Society-Wide Picnic 5:00 P. M. Sunday, session 0700, \$15.00 for the ticket. This is a good time to make friends both within and outside the Division. **Ray Bohling** and the Awards Committee have concluded their evaluations for the ELD's **Homer I. Bernhardt Award**. This distinguished service award will be presented to another of our worthy colleagues at the PIC IV (Professional Interest Council Four) Awards luncheon at 12:30

PM, Monday, June 22nd. The ticket price is \$13.00. It's session 1484 which you can target on your registration card or purchase on arrival at the conference. This luncheon is a good time to demonstrate our friendship for our honored colleague as well as our support for the PIC. I hope many of you will be there.

Also, that afternoon, **Bob Schwarzwalder** and **Maurita Holland** are planning a Monday afternoon ELD excursion to the Engineering Library at the University of Michigan followed by a reception. [*Editor's note: You need to RSVP for this excursion before the conference. Please see Bob's invitation on page 7 of this newsletter.*]

I want to express my appreciation to ELD Newsletter Editor, **Christy Hightower**. Not many of us stop to think about the labor-intensive nature of a newsletter mailing: Punching up text, formatting, having it copied, folding by hand, stapling, labeling, stamping, etc. Many thanks Christy!

Phone calls to ASEE headquarters and to our Professional Interest Council (PIC IV) Chair, **Ray Jaquot**, have yielded little news to report to you. As of deadline time, not even a report on the outcome of the PIC IV election is available, so we can only hope that our own **Jlm Fries** might have won the Chair.

I'm looking forward to the Conference. Hope to see you there!

— **Jay Waddell**, Kennedy Library, California Polytechnic State University, San Luis Obispo, CA
du378@oasis.calpoly.edu or du378@calpoly (Bitnet)

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Participate in the Engineering Libraries Division

You *Can* Make A Difference

What is the Engineering Libraries Division of ASEE?

ASEE is a national association of engineering educators and others dedicated to advancing education and research in engineering, science and related disciplines. The Engineering Libraries Division of ASEE is a group of engineering librarians from schools around the country who are interested in these issues and how they affect science and engineering library resources and services.

As compared to divisions or committees in ALA or SLA, ELD is small. Yet the group is known for its cohesion, energy, and focus on the problems and challenges facing engineering libraries. ELD members have been recognized in ASEE for their contributions to advancing the Society's goals. Because ELD is small (comprising some 160 members), newcomers who become active contributors in the group can have a substantial impact on the Division's agenda and goals.

How Can I Get Involved in the Engineering Libraries Division?

Both ASEE and the ELD rely on members' voluntary efforts to sustain their activities and further their goals. Without these voluntary contributions of time, talent and energy, neither the Society nor our Division could function.

For members who are new to the Division, and who want to become active contributors to ELD, here are some ideas for getting more involved:

Attend the ASEE Annual Conference

The Annual Conferences are held in interesting and geographically different parts of the country every year. ASEE does a good job of picking diverse areas for the Conference; in recent years, we have met in Portland, OR, Lincoln, NE, Toronto, New Orleans, LA -- and soon in Toledo, OH. Generally, the Conference is organized in cooperation with a university, providing members a chance to see other universities nationwide.

Attending the Conference is an excellent way to learn more about the problems and challenges in engineering education at a national level, and of course to get involved in ELD. The Conference is *the* opportunity to become involved in ELD.

Volunteer to Help

- Volunteer for committees such as Publications, Standards, Awards
- Present papers or do a poster session during the Annual Conference
- Organize a session held during the Annual Conference
- Prepare a literature guide

To Volunteer Your Services

Opportunities to volunteer often present themselves during the Annual Conference or in the Newsletter. At the Conference, Committee Chairs will call for volunteers at the Open Forum or the Business Meeting. By talking with Division Officers (who could pass along your offer) or with Chairs of Committees on which you might want to assist, you'll learn about opportunities for volunteering.

To Present a Paper, Organize a Session, or Participate at the Poster Session

The Annual Conference is a good time to talk with the Program Chair about your ideas because the Program Chair is responsible for organizing ELD sessions held during the Conference. Since Program Planning looks ahead one year, the Program Chair (at Toledo in '92, for example) will be planning the conference program for '93. The Program Chair can put you in touch to others, when appropriate, to help you focus a paper or organize a session. The Program Chair can help you get in touch with the Poster Session organizer if you want to present a topic during the Poster Session.

To Join A Committee

Many Committee memberships rotate once a year, and the Annual Conference is the best opportunity to join a Committee. You'll read Committee news in the Newsletter; you'll also learn more about what Committees have openings during the Annual Conference, both at the Open Forum and at the Business Meeting, as well as from informal discussions with colleagues during the course of the meeting. *Previous experience is not necessary to join a Committee.* One suggestion for a Committee assignment: literature guides, which the Division publishes and sells through ASEE, have been popular, and occasionally need to be updated or written from scratch.

Read (And Contribute!) to Our Newsletter, Read (And Contribute!) to Our Listserver

The Division's Newsletter and its Listserver are our principal channels for communication among Division members between Annual Conferences. The first issue of our Newsletter, which appears in late summer, includes a list of

ELD Committees and their members.

This first issue is a guide to the Division's formal organization. The names and addresses of Division Officers, the names and members of Committees and Sub-Committees are all listed in this first issue. Reading it should give you an idea of what committees might interest you when a call for volunteers is made (generally during the Annual Conference).

Reading the Newsletter regularly is a good way to keep up with issues that will be discussed at the Annual Conference, both at the Open Forum and during the Division's Annual Business Meeting. All members should feel free to contribute news to the Newsletter Editor when they have something to share with colleagues.

In addition to the Newsletter, our *Directory of Members and Resource Guide* is a good desk reference to everyone in the Division, including their electronic mail address. Besides being a membership directory, it, like the first issue of the Newsletter, includes a list of Division Officers and the names and members of Committees and Sub-Committees. There is also a list of job descriptions for Officers and Committee Chairs and a copy of the Division's By-Laws, both valuable portions of the Directory. This guide supplements the Newsletter's first issue with detailed information about the responsibilities of Division Officers and a copy of the Division's By-Laws.

The Listserver is one sign of how ELD leads ASEE in innovative ideas and improvements; it's an excellent resource for communicating with a group of colleagues or asking a question to the group as a whole. ASEE could substantially foster greater communication among the members by emulating the example set by ELD!

Build a Network of Friends and Colleagues

If you're new to the Division, and have decided to attend an Annual Conference, a good way to begin meeting people is by attending the Open Forum, which is held on the first morning of the Annual Conference. This is the first time when everyone in the Division meets to update colleagues on developments at their institution since the last Conference. Discussions begun and topics raised during the Open Forum become a theme for continuing discussions, often held informally among colleagues, throughout the meeting. Attending the Open Forum also gives you an opportunity to match faces with names you've read about in the Newsletter or seen on the Listserver.

Attend a Regional ASEE Conference

Nationally, ASEE is divided into several regions. Some regional groups are more lively than others; if the group in your region is active, it generally meets at least once a year. The New England region, for example, meets each

autumn. A group of engineering librarians in the New England region attend the fall meeting and organize a session held during the meeting. Attending a regional ASEE meeting is a good way to begin meeting people in the organization.

What Makes ASEE and the ELD Different from Other Professional Associations?

ASEE represents academic interests in engineering education as well as special interests such as graduate education. As reflected in the content of its magazine, PRISM, and in sessions held during the Annual Conference, members of ASEE are concerned about a wide range of concerns in engineering education, both at technology schools and universities. ASEE is unique in this commitment to engineering education; ELD is unique in being a part of a larger organization comprising mainly engineering educators.

People who belong to the Engineering Libraries Division have many opportunities at the Conference and in other Society forums to meet and talk not only with engineering library colleagues, but also with engineering faculty. Faculty contacts are a unique and valuable aspect of membership in ASEE; besides discussions in formal meetings, ELD people have struck up long-standing friendships with many faculty in the Society.

ELD is well positioned to address issues and problems that are unique to engineering libraries, as well as those that affect academic libraries nationally. There are opportunities, both in meetings at the Annual Conference and by networking with other engineering librarians, to build better links to our colleagues in ACRL and to our colleagues in other ASEE Divisions.

— By Jim Fries, with assistance from Don Richardson

Committee Opportunities Available in 1992-93

The ELD Executive Committee and the Chairs of the various ELD Standing Committees would like to encourage more members to become involved. So that you may begin to think about what you might be interested in doing, on the next page is a list of some of the volunteer opportunities that will be available this year. These are just the opportunities that were available as of press time, *no doubt there will be additional opportunities announced at the Annual Meeting.*

Committee Opportunities Available, *cont'***Two Editorships Available**

- Newsletter Editor, two year term, 1992-94
- Membership Directory Editor, two year term, 1992-94

The Newsletter Editor and the Membership Directory Editor positions will become available in June 1992. These are appointed positions, with any ELD member eligible to apply.

If you would like to be considered for either of these positions, please contact **Tom Conkling**, ELD Publications Committee Chair, Pennsylvania State University, Engineering Library, 325 Hammond Building, University Park, PA 16802. His phone number is 814-865-3451, email TWC@PSULIAS.BITNET.

Previous experience is not necessarily required for these positions! The ELD Executive Committee will review the list of interested volunteers and will decide on the final appointments for the editorships.

Note: As immediate past Newsletter Editor, I would be more than happy to discuss the scope and requirements of the Newsletter Editorship with anyone who is considering volunteering for this position. Please don't hesitate to contact me. My phone is 619-534-1216, email chightow@ucsd.edu or chightow@ucsd.bitnet.

Chair of Literature Guide Subcommittee Available

The Chair of this subcommittee of the ELD Publications Committee is responsible for soliciting ideas and drafts of guides in various subject areas, having them reviewed, and getting them produced. If you are interested in being considered for this position, contact **Tom Conkling** at the address above.

Membership Committee Members Welcome

The ELD Membership Committee has openings this year. If you are interested in serving on this committee, contact **Glee Willis**, Membership Committee Chair. (702-784-6827, willis@unssun.nevada.edu)

— **Christy Hightower**,
ELD Director & ELD Newsletter Editor

**ELD Candidates for Election in 1992**

The ELD Nominating Committee (**Vladimir Borovansky**, **Russ Powell**, and **Billie Joy Reinhart**) is submitting the following slate of candidates for 1992. The election will be held at the Annual ELD Business Meeting in Toledo. If there are any other ELD members who are interested in running for either of these positions, nominations will be accepted from the floor.

The slate for 1992:

Steve Gass for ELD Secretary/Treasurer
Linda Musser for ELD Director

— **Vladimir Borovansky**, Chair (phone 602-965-7210, e-mail IACVTB@ASUACAD.BITNET)

Wholley Toledo III

If the messages on ELDNET are any indication, I am going to see many of you in Toledo. It will be wonderful blasting apart the profession's stereotypes with so many new and old friends.

The **Sunday evening picnic** will give us an opportunity to congregate. If weather is good we will be outside in Promenade Park, if the weather is bad, we'll be under cover. Shuttle buses will be abundantly available. **LOOK FOR THE BALLOONS** and the ELD banner at the picnic site.

Monday morning at 8:30 session 1241 will provide a *forum for us to introduce ourselves* and identify shared concerns that we can pursue at the conference. You will see announcements in this newsletter for excursions on Monday afternoon. This is also dedicated conference time for visiting the exhibits. Monday evening at 7:30 there will be session 1841, *a follow-up to the morning session*. The people who attend the National Engineering Library conference will be able to provide us with much to discuss on that topic.

There are three events of interest to our division on **Tuesday**. From 2:30-4:15 *U.S. Patents, Intellectual Property Rights and the University*. In the "hot tip" category tell your teaching colleagues that the Director of Group 350 in the Patent and Trademark Office will be speaking to the topic of Patent Career Awareness. At 4:30 the division will hold its' annual *Business Meeting*, followed at 6:30 by the *division banquet at Mancy's*. Nothing will be stodgy about this occasion. Plan to enjoy yourselves. Guests are definitely welcome.

Wednesday at 10:30 our division will sponsor the first of three sessions for that day, *Engineering Materials: Databases and Datafiles*. At 2:30 I hope that you can attend *The Information Seeking Behavior of U.S. Aerospace Faculty and Students*. The *Poster Session* begins at 4:30. This informal event brings a conclusion to our conference events for this year.

The poster session also gives us an opportunity to start thinking about plans for next year's annual (and Centennial) meeting at the University of Illinois. Our division will have much to look forward to at that conference. There should be the new engineering library AND the congenial host of ELDNET is a "resident librarian".

— **Palge Gibbs**, ELD Program Chair

Planning for Next Year's Annual Conference

As we are looking toward the end of the school session and many are contemplating the programs in Toledo, please also give some thought to ASEE 1993 scheduled for Urbana, Illinois. Any ideas that you have for sessions that might be of interest to ELD members alone or might possibly also draw interest from members of other ASEE sections/divisions as well are welcome. Your ideas will help us in setting up a program responsive to current topics and interests. Plans for the '93 program are set into motion at the Extended Executive Committee Meeting on Tuesday in Toledo. So its not too early to think '93!

Please send me your program suggestions or comments via telephone, e-mail (Mullen@sjsuvm1.sjsu.bitnet is my new address) or FAX (408-924-2701). If you can't manage to contact me before we go to Toledo, please catch me at or after session 1841 on Monday night. Hope to see you all in Toledo.

— **Cecilia Mullen**, ELD Secretary/Treasurer, Program Chair-Elect.

Membership Committee Report

It would be perfectly natural for you to have wondered about the two conflicting membership figures you read about in the last newsletter. Jay reported 210 as of April 1991, while I reported 152 as of January 1992. Since our membership has always hovered below the 200 mark (and usually closer to the 150 mark), let me assure you that we have NOT lost 50+ members during my tenure as membership chair!

As of April 10, 1992 we have 157 members, which means we've added 5 since my last report in the March newsletter. To quote **Ann Ward**, of Cal Poly Pomona, "I've been here for about a year now, and I'm finally finding the surface of my desk -- where your invitation to join got buried!" My personal motto has always been, "We don't care WHEN you join ELD, we're very happy to have you aboard!" Along these same lines, **Mel DeSart** (our illustrious ELDNET-L listowner) is fond of telling folks how I strong-armed him to join ELD when I overheard him talking about engineering libraries at ACRL in Cincinnati, and that he didn't join then, but eventually he did ... and you're mighty glad you did, aren't you, Mel? (Needless to say, I hope to recruit a few more folks at ACRL in Salt Lake City this year!) ELD is just too good a group for anyone to be missing out on it because they've never heard of us! Help us spread the word! Recruit, recruit, recruit!

Having said that from my soapbox, I'll add that it still works best if prospective members contact me at some point in their membership application process, so that I can make sure we get them "in the pipeline" for the newsletter, the directory, and ELDNET-L ASAP! I appreciate the "pointing my way" all you ELDers out there are doing (especially fellow committee member, **Orion Pozo**!). Thanks, y'all!!!

— **Glee Willis**, Membership Committee Chair
(willis@unssun.nevada.edu)

National Engineering Information Service Conference

Steve Gass to Communicate ELD Members Views

As many of you know by now the Council on Library Resources and the Engineering Foundation are sponsoring *A Conference For Exploration of a National Engineering Information Service* at Palm Coast, Florida this June 14 - 19. Other ELD members have suggested via ELDNET an open a discussion on what it is we engineering librarians would want to contribute to a conference of this type and hence to the plan of action that would evolve from it. This discussion among ourselves would then contribute to the ideas that could be carried to the National Engineering Information Service Conference by our ELD members who attend. If the Conference does in fact take place (those of you who have tried to register will understand why I say if) I am planning to attend and would be happy to try to represent our views and report in Toledo on the Conference.

A summary of the conference plan follows. I encourage all who are interested to contribute their thoughts via ELDNET. If that is not practical for you, you can send your

comments to me at the following address:

Steve Gass
Engineering Library
Terman Engineering Center
Stanford, CA 94305-4029

Day 1 - Morning:

The purposes of the Conference:

a) to define the characteristics of a National Engineering Information Service, including its benefits and the barriers to its creation, b) to formulate recommendations to the parent organizations regarding the nature of actions to be taken. (10 minutes - **David Penniman**, Pres. Council on Library Resources)

Keynote Address - Why? What are the potential benefits? What are the potential cost? Is this only wishful thinking? (50 minutes - **Peter Litkins**, President, Lehigh University)

Historical Perspective (10 minutes - **Prosser Gifford**, Scholarly Programs, LC, moderator)

Development of the National Library of Medicine (40 minutes - **Martin Cummings**, Director Emeritus, NLM)

Previous Study of a Unified Engineering Information Service (40 minutes - **David Liston**, P.E., Consultant)

Lessons Learned (30 minutes - **Gifford, Cummings**, and **Liston**)

Day One - Evening:

The State of Existing Systems and Resources (10 minutes - **David Scharf**, Director, Engineering Societies Library, Moderator)

Major Federal Information Services - NAL, LC, NTIS, DOD, DOE, NASA, NIST (35 minutes - speaker(s) to be determined)

Non (or Not For) Profit Information Services - Engineering Societies Activities (20 minutes - **Donal Crawley**, Assoc. Gen. Mgr., IEEE); Engineering Societies Library (20 minutes - **David Scharf**); Engineering Information, Inc. (20 minutes - **John Regazzl**, President, EI)

For-Profit Information Services (20 minutes - **Joseph Fitzsimmons**, President, UMI)

General Types of Information Services - Library Services, Specialized Information Services, Data Services, Analytic Services (35 minutes - **Patricia Berger**, Director of Information Services, NIST)

Information Publishing (20 minutes - **David Lide**, Editor, CRC Handbook)

Day Two - Morning:

Engineering School Information Services (35 minutes - **William Arms**, VP, Academic Resources, CMU)

The International Picture (35 minutes - **Margaret Graham**, Consultant)

Networking Technology/Services (35 minutes - **Clifford Lynch**, Director, Library Automation, UC)

Existing Cost/Benefit Picture (35 minutes - **Jose-Marie Griffiths**, Professor, Univ. of Tenn.)

Sociopolitical Aspects/Vested Interests (35 minutes - **Mel Day**,

Consultant)

Day Two - Evening:

The Major Issues (5 minutes - **David Penniman**, Moderator)

User Issues (20 minutes - **Jean Mayhew**, Manager, Library and Information Services, United Technologies)

Technical Issues - Sources of Information and Data; System Architecture; System Functions/Operations; System Products (45 minutes - **Daniel Atkins**, Professor, Dept. of EE & CS, University of Michigan)

Financial Issues - Estimated Costs; Estimated Benefits; Funding/Financing Alternatives (45 minutes - **Paul Kantor**, Professor, School of Comm., Lib. & Info. Sci., Rutgers University)

Sociopolitical Issues - Scope of the System; Mission of the System; Organizational Structure; Government vs. Private Support (45 minutes - **Tony Oettinger**, Chairman, Program on Information Resources, Harvard University)

Selection of Issues Workshops (20 minutes - **David Liston** and a Professional Facilitator)

Day Three - Morning:

Issue Workshops (3 hours - Professional Facilitators)

Day Three - Evening:

Presentation of the results of the morning's Workshops (3 hours)

Day Four - Morning:

Summary of conference proceedings to date (1 hour - **David Penniman** and **David Liston**)

Rebuttals from the open floor and negotiations on improvements and/or compromises to make the summary generally acceptable to conference participants (2 hours - Professional Facilitator)

Day Four - Evening:

Reconvening the workshop groups to formulate recommendations to be taken back by the participants for presentation to their parent organizations (2 hours - Professional Facilitators)

Presentation of the recommendations of each working group by a speaker selected by the group (1 hour)

Day Five

Integration of Recommendations (45 minutes - **David Penniman** and **David Liston**)

Ratification of the recommendations by the participants (45 minutes - Professional Facilitator)

Development of a Follow-up Plan (45 minutes - Professional Facilitator)

Agreement on the preparation of summary documentation and its distribution to the participants and, thence, to their parent organizations (45 minutes - Professional Facilitator)

Closing Remarks

— **Steve Gass**, Stanford

When in Toledo, Visit Ann Arbor (Please RSVP!)

Maurita Holland, Daisy Wu (Head of the UM Science and Engineering Libraries) and I are arranging an afternoon in Ann Arbor for ELDers on **Monday June 22**. This coincides with a gap in the ASEE meeting schedule for ELD sessions. The group will leave from the "get acquainted" session and return later that afternoon. We plan to include a tour of the newly consolidated Engineering Library and a picnic supper at Maurita's (very informal). If you will be driving and can ferry people to Ann Arbor, please let me know. **We need drivers**. If you are interested in attending, please let me know.

Bob Schwarzwald
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Ann Arbor, MI 48109-1185
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USERGEBF@UM.CC.UMICH.EDU
USERGEBF@UMICHUM.BITNET

Amendments to ELD BY-Laws

As Proposed by the ELD Executive Committee after presentation by ad-hoc By-Laws Review Committee of **Jim Fries** and **Don Richardson**, at the Executive Committee Meeting in New Orleans, LA on Wednesday June 19, 1991.

Article II. Section 1

Change the word "organization" to "organizations"

Article IV. Section 1e

Change "Annual meeting" to "ELD Annual Business Meeting"

Article IV. Section 1f

Change "Council for Teaching and Learning" to "Professional Interest Council (PIC) IV"

Article V. Section 2

Change "Recruitment and Hospitality" to "Membership"

Add the word "other" before "Committee Chairmen" at the end of this section.

Article V. Section 5

Change "Recruitment and Hospitality" to "Membership"

Article V. Section 6

This section shall be removed, making the present Section 7 the

new Section 6. Contents of the present Section 6 to be included in amended Article IX (see below)

Article V. Section 7

Change "annual meeting" to "ELD Annual Business Meeting"

Make present Section 7 new Section 6 (see above).

Article VI. Section 1

Add the following sentence to the end of this section: "The immediate past-ELD Chair shall serve as Nominating Committee chair."

Article VII. Section 3

New wording for first sentence: "Members of the Society and other interested persons shall be eligible to attend all meetings of the Division except the Annual Business Meeting, any meetings of the Executive Committee, and any other Divisional business meetings."

Article VII. Section 4

Change "Council for Teaching and Learning" to "Professional Interest Council (PIC) IV".

Article IX. Section 1

Change the word "Board" to "Committee".

Add the following sentence to the end of this section: "Chairmen of such committees will be appointed by the Executive Committee to a renewable two year term."

Article IX. Section 2

Add the following sentence to the end of this section: "Chairmen of these committees are expected to prepare an annual report to present at the annual expanded Executive Committee Meeting and at the annual Business Meeting and to be published in the Engineering Libraries Newsletter."

— **Don Richardson**, ELD Archivist

Faculty Position Available at Pennsylvania State University Libraries

CHIEF, SCIENCE AND TECHNOLOGY DEPARTMENT

This academic administrator is responsible for planning, implementing, and assessing reference, instructional services, and collection development in support of Penn State University's academic programs in science and technology. Support for these programs is provided by the five branch libraries which comprise the Science and Technology Department: Earth and Mineral Sciences, Engineering, Life Sciences, Mathematics, and Physical Sciences. The Department also includes a technical

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information service to non-University constituencies. In addition, the Chief evaluates the performance of the department's faculty, develops new services, and oversees working collections housed in academic units. Active participation in the Libraries strategic planning and administrative groups is expected.

The Penn State University Libraries contain some of the strongest science and technology collections in the nation. The University Libraries includes a central collection and six subject libraries at University Park, and libraries at Penn State Erie and Harrisburg and at each of the campuses comprising the Commonwealth Educational System. Collections include over 3 million volumes, 25,000 current serials, and extensive holdings of maps, microforms, documents, technical reports, patents, and computer-based information resources. Serving nearly 70,000 students and approximately 4,000 faculty at all locations, the Libraries have an integrated, automated system (LIAS) and participate in ARL, CIC, RLG, OCLC and the Pittsburgh Regional Library Center.

Qualifications: Requires ALA-accredited MLS or equivalent; a baccalaureate degree in one of the sciences or engineering; minimum of seven years experience in an academic or research library system, including substantive administrative, reference and collection development responsibilities. Evidence of successful experience with computer-based information resources and services, and experience developing external funding proposals are desirable. Promotion and tenure potential will be considered.

Compensation: Salary and academic rank dependent on qualifications, minimum \$45,000. Penn State offers a comprehensive benefits program, including liberal vacation; excellent insurances; State or TIAA/CREF retirement options; educational privileges.

Applications will be reviewed beginning **May 15, 1992** and **continuing until the position is filled.** Applications, including a current resume and names of three references, should be submitted to:

Head, Search Committee
Chief, Science and Technology
Box AL
E505 Pattee Library
Penn State University
University Park, PA 16802

AN AFFIRMATIVE ACTION, EQUAL OPPORTUNITY EMPLOYER
WOMEN AND MINORITIES ENCOURAGED TO APPLY

Membership Directory Update

The following is a list of updates as of April 1992 and comprise changes to be made to the *Directory of Members and Resource Guide*.

Anne M. Buck, add entire new member entry:
43 Washington Avenue
Chatham, NJ 07928

Wendy Culotta
delete e-mail BITNET address, but keep INTERNET address.
Also, her phone number is now 310-985-4555.
Additional e-mail address is WENDY@FELIX.LIB.CSULB.EDU

Melvin G. De Sart, entry should read:
Assistant Engineering Librarian
University of Illinois--Champaign/Urbana
Engineering Library
221 Engineering Hall
1308 W. Green Street
Urbana, IL 61801
phone: 217-244-4426
e-mail: DESART@UIUCVMD.BITNET,
DESART@MD.CSO.UIUC.EDU

Steven Gass
change e-mail to SGASS@FORSYTHE.STANFORD.EDU

Paige Gibbs
academic institution is now called
University of Massachusetts, Dartmouth
fax: 508-996-9759
e-mail: PGIBBS@UMASSD.EDU; PGIBBS@UMASSD.BITNET

Karen Grieg, entire new member entry
Engineering Library
Stanford University
Stanford, CA 94305-4029
phone 415-725-1018
Fax: 415-725-1096
e-mail: KAREN.GRIEG@FORSYTHE.STANFORD.EDU

Susan D. Herring, change entry to:
Engineering Reference Librarian
University of Alabama in Huntsville
Library
P.O. Box 2600
Huntsville, AL 35899
phone: 205-895-6432
fax: 205-895-6862
e-mail: UAHSXH01@UAHVAX1.BITNET

Patricia A. Johnston
add e-mail: RJOHNSTO@GTRI01.GATECH.EDU

Julie Kwan, add entire new member entry:
Science and Engineering Librarian
Science and Engineering Library
University of Southern California
Los Angeles, CA 90089-0481
phone: 213-740-4420

fax: 213-749-1221
e-mail: JKWAN@USCVM.BITNET, JKWAN@VM.USC.EDU

Lizbeth Langston, entry should read:
Reference Librarian
Physical Sciences Library
University of California
Riverside, CA 92517-5900
phone: 714-787-3511
fax: 714-787-2223
e-mail: LANGSTON@UCRVMS.BITNET;
LANGSTON@UCRAC1.UCR.EDU

Charles R. Lord
Head, Engineering Library
University of Washington
Engineering Library, FH-15
Seattle, WA 98195
206-685-8369
Fax: 206-685-8049
E-Mail: lord@u.washington.edu

James S. Ottaviani, add entire new member entry:
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F. Orion Pozo, change entry to read:
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phone: 919-515-7557
fax: 919-515-7854
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Donald G. Richardson
title is Bibliographic Instruction and Technical Reports Librarian
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e-mail: DRICHARD@WPI.WPI.EDU (note two WP's)

Lockhart Russell, entire new member entry:
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Jay Waddell
change library name to: Kennedy Library
organization is: California Polytechnic State University (words in
THAT order)

Camille Wanat
phone number: 510-642-0634
e-mail: delete the BITNET address

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Edward D. Wladas
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In the GEOGRAPHICAL INDEX under Pennsylvania, change
University of Pennsylvania--College Park to Pennsylvania State
University--University Park.

This list comprises the new edition of the Member's Directory. A
revised Directory incorporating these changes and pending
changes to by-laws and committee positions will be prepared and
mailed in the Fall of 1992. PLEASE take a few minutes to check
your member listing and let me know by e-mail or US Mail if the
listing is correct. I would appreciate hearing from members even
if all is correct--let me know that. Many thanks.

— Edward Wladas, Membership Directory Editor
ewladas@scu.bitnet

Knowledge Express

I had the chance to review Knowledge Express for an upcoming
column and thought it would be of interest to ELD members.
Knowledge Express is a new online vendor which specializes in
licensable technologies and collaborative opportunities. Most of
their 15 databases are unique to the databank; these include a
University Technologies file, Federal Research In Progress,
the Federal Laboratories Technology Database and the **NASA Software Database**.
The databank is well suited to the technology searcher with most of
the databases addressing engineering, computing or technology
issues. Knowledge Express has developed a new interface which
features a windows-like approach. A new "relevance" function
automatically retrieves records semantically related to any item
chosen by the searcher. While most of its databases are very
small in conventional terms, Knowledge Express is less than 1
year old and has some very interesting plans for expansion. If
you would like to find out more about Knowledge Express, call
them at 800/248-2469. Oh, and read my column in the August
1992 issue of DATABASE.

— Bob Schwarzwald, University of Michigan

American Society For Engineering Education Engineering Libraries Division — BALLOT

Please see the *Message From The Chair* for information on this issue. It's important that each member vote and return this ballot.

Resolved that the dues of the Engineering Libraries Division be increased from \$1.00 per year to \$5.00 per year. (Mark one box only.)

Approve Disapprove

Please return this ballot postmarked by **May 22, 1992**. Place it in a mailing envelope, sign the back of the envelope, and address it to:

Jay Waddell
Kennedy Library
Cal Poly
San Luis Obispo, CA 93407

The envelopes will be opened and the tally done by neutral parties outside ELD.

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