

Engineering Libraries

Division Newsletter



American Society for Engineering Education

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From Czechoslovakia: Message From The Chair

Spring has arrived in Prague at last. The fruit trees started blooming; there are beautiful magnolias in several parks. Near my dorm is a forest where I do my running. It's nice to hear the birds singing in the morning, celebrating the awakening of nature. Once in a while I can see one or two young deer, pheasants, and turkeys. Another sign of spring is the crowds of tourists around downtown Prague and especially on the ancient Charles Bridge which I cross frequently on my way to the US Embassy.

My teaching activity has intensified. Besides the regular class, I conduct a seminar for the graduating students, advise on a couple of theses, and will be sitting on a thesis defense. I continue special lectures within and without the department.

I have also participated in the doctoral commencement at the Aula Magna in the so-called Carolinum, the original seat of Charles University. The ceremony is partly conducted in Latin and is quite impressive. Now I have received my actual diploma for the doctoral degree.

Some of the ASEE mail has reached me here with some delay. In the meantime I have been informed that you, my fellow ELD officers, have taken care of some of the important duties. Many thanks.

My sojourn here is rapidly drawing to a close. It's becoming more and more hectic. I hope I'll be able to accomplish everything I came here to do. At the same time, I am looking forward to our New Orleans meeting and seeing you all there.

— Vladimír Borovský



Inside . . .

ELD Program in New Orleans.....	2
Visitor's Guide to New Orleans	4
ELD Nominations.....	5
Engineering Libraries Listserv.....	5
Committee Reports.....	6
Theft of Fiche.....	7
Elsevier Buys Pergamon Press.....	8
People & Places.....	8
Draft Survey for Standards.....	9

ELD Program ASEE Annual Conference New Orleans, Louisiana June 16-19, 1991

Hi, there Conference Trippers! Below is a list of the Engineering Libraries Division's sessions at the 1991 ASEE Annual Conference in New Orleans. I've added the Society Wide Picnic and the sessions of the other divisions with which we have co-sponsoring agreements. The ASEE headquarters has not provided room locations in their latest rough draft of their program, so look for those in your final Conference Program which will be waiting for you at the Registration Desk at the Hyatt Regency Hotel in New Orleans.

This year's Conference promises to be challenging in content as well as exciting in its cultural ambience. (See **Bob Schwarzwalder's** colorful articles on deep background in New Orleans in this and the last two issues of the *ELD Newsletter*.) Our moderators have planned excellent sessions and provided speakers with topics both broad and specific, conceptual and applied. Guaranteed you'll dig it! Be sure to register now while we're still in the preregistration period. After May 24, registration costs jump another \$30.00 or so. If you didn't receive your January 1991 issue of the ASEE newsletter; *Engineering Education News*, with the registration forms, call ASEE Headquarters to get them now! 202/293-7080.

Sunday, June 16, 1991

Session 0700

Society-Wide Picnic

\$15.00

5:30 P. M. - 7:30 P. M.

Sponsor: *University of New Orleans*

Location: The Robin Street Wharf on the Mississippi River. Look for the ELD gang. We always congregate at a couple of tables together and we'll be hard to miss. *We'll be flying a clutch of helium-filled balloons overhead!*

Monday, June 17, 1991

Session 1241

Open Forum —Library Update

8:30 A. M. - 10:15 A. M.

Discussion Group

Moderator: **Lawrence E. Clemens**, U.S. Naval Academy. This discussion session allows all members to update each other on developments in their libraries and professional lives during the year. Members with mutual interests can begin new and constructive contacts. This session provides some of the source ideas for further development in our Monday evening Engineering Libraries Discussion session.

Session 1641

Applications of Technology in Engineering Education —The Challenge

4:30 P. M. - 6:00 P. M.

Jointly sponsored with: *Engineering Research and Methods Division*. Also known as Session 1630

Moderator: **James R. Fries**, Dartmouth College

There are many ways that technology can be used in the business of education, from computer applications in the classroom to instruction carried via satellite up-link and down-link. These papers present different experiences with technology in Engineering Education.

Speakers:

—Developing a textbook electronically. **Karl A. Smith**, University of Minnesota.

—A Hypermedia Solution to a Hyper Problem: Personalized Computer Engineering Career Systems. **William K. LeBold**, **Antoine A. Feghall**, & **Mary Hopper**, Purdue University.

—HyperCard Courseware for Introduction to Circuit Analysis. **Burl Oakley**, University of Illinois at Urbana.—

—Project NORTHSTAR: Curricular Courseware Development in a UNIX Graphical Workstation Environment. **Mark J. Franklin**, Dartmouth College.

—Evaluation of the Teleconference as an Educational Delivery System. **Curtis D. Johnson**, University of Houston.

Session 1841

Engineering Libraries Discussion Session

8:00 P. M. - 10:00 P. M.

Discussion Group

Moderator: **Cecilia Mullen**, San Jose State Univ.

Rap session to stimulate follow-up discussions on the major topics emphasized in the ELD Open Forum earlier this morning.

Tuesday, June 18, 1991

Session 2241

Standards for Library Services and Collections in Support of Engineering Programs.

8:30 A. M. - 10:15 A. M.

Panel

Moderator: **Dorothy F. Byers**, University of Cincinnati. A Panel of Librarians reacts to a draft library standards proposal presented by the ASEE Engineering Libraries Division Standards Committee and will conduct a working session for the Division.

Speakers

—Standards for Library Services and Collections in Support of Engineering Programs. **Steven Gass**, Stanford University.

—Reactor to First Speaker's Presentation. **Ann M. Smith**, Wentworth Institute of Technology.

—Reactor to First Speaker's Presentation. **Karen Andrews**, University of California.

Session 2641

**Engineering Libraries Division
Annual Business Meeting.**

4:30 P. M. - 6:00 P. M.

Business Meeting

Moderator: **Vladimir Borovansky**, Arizona State University. Annual business meeting open to all Division members.

Session 2741

Engineering Libraries Division Dinner.

7:00 P. M. - 10:00 P.M.

Dinner

\$32.00

Moderator: **Jay Waddell**, Cal Poly, San Luis Obispo. Annual Dinner for members of the Engineering Libraries Division and their guests to be held at La Louisiane Restaurant, 725 Iberville Street, New Orleans. Creole cuisine in a century-old tradition.

BE SURE TO PRE-PAY WITH YOUR REGISTRATION SO WE CAN GUARANTEE THE NUMBER THAT WILL BE PRESENT. You'll receive a letter from ASEE late in May so you can specify your choice of entree.

Wednesday, June 19, 1991

Session 3141

**Engineering Libraries Division
Executive Committee Meeting.**

7:00 A. M - 10:15 A. M.

Breakfast/Business Meeting

\$11.00

Moderator: **Jay Waddell**, Cal Poly, San Luis Obispo. Closed breakfast working meeting for officers and committee chairs of the Engineering Libraries Division. ALL OFFICERS, INCLUDING OFFICERS-ELECT, AND COMMITTEE CHAIRS, PLEASE BE SURE TO PREPAY FOR THIS SESSION.

Session 3341

Global Initiatives and the Curriculum.

10:30 A. M. - 12:00 Noon

Co-Sponsor: *Engineering Economy Division*

Moderator: **Linda R. Musser**, The Pennsylvania State University.

U. S. businesses operating in a global economy demand a greater awareness of international standards among new engineers. Meanwhile, Academia is calling for greater multicultural awareness among students. It is conceivable to satisfy both these demands through new and innovative ways of viewing and teaching standards and the standardization process.

Speakers

—**Edith Crocket**, National Technical Information Service.

—The Growing Importance of Global Standardization and its Impact on the Engineering Curriculum. **Robert Walsh**, American National Standards Institute.

—Teaching Diversity Through Standardization. **James Thomas**, American Society for Testing and Materials.

Session 3541

**The Effect of E-Mail and OPAC-Mounted
Commercial Data Bases on Technical
Library Services and Use.**

2:30 P. M. - 4:15 P. M.

Symposium

Co-Sponsor: Information Systems Division

Moderator: **Thomas W. Conkling**, The Pennsylvania State University.

The increasing availability of locally mounted data bases and E-mail are changing the traditional methods that students and faculty have used to access information resources. The uses of these new technologies and their impact on technical libraries are explored in this session.

Speakers

—The Impact of E-Mail on Reference Service. **Edward Wladas**, Santa Clara University.

—Integrating Electronic Mail Into Online Services at Georgia Tech. **Helen Wiltse**, Georgia Institute of Technology.

—Issues In Electronic Mail: Serving the Remote Patron. **Jill Powell**, Cornell University.

—Integration of Heterogeneous Electronic Information Resources in the Physical Sciences. **Melvin G. DeSart** and **Timothy W. Cole**, University of Illinois, Urbana-Champaign.

Session 3641

Engineering Libraries Poster Session

4:30 P. M. - 6:15 P. M.

Poster session

Moderator: **Edward Wladas**, Santa Clara University.

Informal displays and information exchanges about current initiatives and special projects in engineering libraries.

Speakers

—A Library Move: Hands-On Experience for Industrial Engineers. **Linda G. Ackerson**, **T. Allen Henry**, and **Jeanne G. Howard**. University of Alabama.

—Developing a Core Serials List Based on Local Publication Patterns Using STN. **Deborah Kegel**, University of California, San Diego.

—Demonstration of Integrated Electronic Information Resources in the Physical Sciences. **Melvin G. DeSart** and **Timothy W. Cole**.

Session 3700

ASEE Awards Reception

6:30 P. M. - 7:30 P. M.

No charge.

Open to all conference participants, this event allows ASEE members to gather one last time before heading home. (Popular with ELDers. This session usually mounts a good board of hors d'oeuvres. Get a group. Check it out!)

We can be justifiably proud of the stature and respect enjoyed by *Engineering Libraries Division* among the others in ASEE: Two of our sessions were appealing enough to attract co-sponsors: **Linda Musser's 3341**,

with *Engineering Economy Division*, and Tom Conkling's 3541, with *Information Systems Division*. Also, Jim Fries' session 1641 is jointly sponsored with us by *Engineering Research and Methods Division*. We were invited to co-sponsor two non-ELD sessions in support of other divisions. They conflict with session times of our own, so you'll have to make a choice. They are:

Session 2664 Tuesday, June 18, 1991
Teaching Materials Selection.

4:30 - 6:00 P. M.

Lecture

Sponsor: *Materials Division*

Co-Sponsor: *Engineering Libraries Division*

Moderator: Dale Wilson, Tennessee Tech.

Innovations in computerized data bases and expert systems have improved the engineer's capability to select materials for more demanding conditions in an energy, environment, and cost sensitive society.

Session 3370 Wednesday, June 19, 1991
Meeting the Challenge: ASEE and Minority Student Organizations Partnering.

10:30 A. M. - 12:00 Noon.

Symposium

Sponsor: *Minorities in Engineering Committee.*

Co-Sponsors: *Women in Engineering; Engineering and Public Policy; Engineering Libraries; Liberal Education; Materials and Manufacturing Divisions.*

Moderator: Howard G. Adams, National Consortium for Graduate Degrees for Minorities in Engineering & Science. Provide opportunities for women and minority student organizations' leaders to inform ASEE of their efforts and programs. These efforts and programs can be partnered with engineering faculty to improve the quality of the educational experiences of minority and women engineers and provide mechanics to increase numbers.

So that's it: a fine and provocative Conference is in store for you. Stretch those budgets. Find roommates to share the costs. Look for us under the balloons at the Society-Wide Picnic on Sunday, June 16th, Session 0700. See you there!

— Jay Waddell, 1991 ELD Program Chair.

1991 ELD Poster Session Last Call

This is the last call for the ELD poster session scheduled for the Annual Conference for the afternoon of June 19th from 4:30 to 6:15 pm. So far we have three speakers to share with us their knowledge on diverse topics. Any other participants are still welcome. The session will be informative but informal and collegial. If you are interested please contact Edward Wladas, Session Moderator, at Santa Clara University, 408-554-4067 or e-mail EWLADAS@SCU.BITNET.

A VISITOR'S GUIDE TO NEW ORLEANS PART 3: Helpful Hints

First Off... pronounce the name of the city correctly. If you go around saying things like, "Hello Roger, when did you arrive in New R-LEANS," people will snicker and add 10% to your bill. (Correct translation: Where ya't Roger, when d'ya get get inta N'Awlins.) N'Awlins is great, New Aw-leans is ok, but NEVER New R-LEANS. Here are a few local terms and insults to make you feel more at home in the crescent city:

Where'd ya learn ta drive, Schwegmann's?
(=you don't drive very well do you, jerk)

Where y'at
(=how are you, hello, what's up)

Neutral Ground
(=median strip between lanes of a divided street)

Prepare for the Climate

June is not the most comfortable time to visit New Orleans, temperatures range from the mid 80s to low 90s during the day and from the low to mid 70s during the evening. Businesses compensate for this with an almost religious fervor for air conditioning. So, as odd as it sounds you may want to take a light jacket along with your summer attire. Humidity is HIGH so you feel the heat, but June is better than July-September. You should expect rain during your visit. By late June you might expect the typical summer pattern of an almost daily afternoon rain. Not to worry, they seldom last more than two hours and often cool things off. Be forewarned, when it rains it pours... find shelter or expect to be drenched.

Where Not to Go

Like any big city, there are places in New Orleans that are not safe. When in the central business district and the French Quarter, make sure there are other people around. If things seem to be getting deserted, turn around. Generally the areas toward Canal Street and the river (from the Quarter) are fine, the area N-NE of the Quarter is ok and the area N-NW of the Quarter (towards Louis Armstrong Park) should be A-V-O-I-D-E-D. The university area (Tulane and Loyola) are ok, but some caution is advised at night. I would travel in groups if you intend to be out late. The University of New Orleans area is generally safe.

N.E.W.S F.L.A.S.H ==> There has been a rash of robberies at the Saint Louis Cemetery lately. I had suggested this as a possible site to visit in my first installment. I would now suggest avoiding it.

Getting Around

Moisant International Airport is about 15 miles outside of New Orleans in Kenner, LA. A shuttle is available to downtown hotels (Airport Rhodes, (504)469-4555, \$7 one way) and there is a city bus that goes to downtown New Orleans ((504)737-9611, \$1.10 one way). Taxis run about \$18.

The new Orleans bus system is excellent, although there is no subway (The fact that the city is, on average, 8 feet below sea level makes a subway a difficult proposition.) The fare is \$0.60 and visitor passes are available (504/569-2700). Be sure to ride the St. Charles street car when you're in town!

Shopping

For those of you interested in shopping, there are several good areas to visit. The Riverwalk (neo-mall along the river between Canal Street and the Quarter), the Jax Brewery (same location as Riverwalk) and Canal Place (Canal Street at the River) offer everything from Saks to souvenirs, all within a short walk. If you are interested in antiques or curios, take a stroll down Royal Street in the Quarter. For those of you who intend to explore the university (Uptown) area, take the streetcar ride (catch it on Carondelet...you'll get a seat that way) to the riverbend area (where St. Charles changes to Carrollton). Across the street (to the left) you'll see a small but unique shopping area. Stop at the Camellia Grill for a snack. A few blocks away, walk down scenic Maple Street (away from the river). You'll find a number of small shops and one of New Orleans' best book stores. (I thought you'd like that.) The Maple Street Bookstore features a large and interesting collection and often sells signed copies of works by local authors.

Hope to See You There

I am thrilled to see the ASEE meeting in New Orleans. Having lived there I know that I shall always love this enchanting city. I hope that you will attend the ASEE meeting and that you will take the time to explore and enjoy New Orleans. *Laissez les bon temps rouler!*

— Bob Schwarzwald, New Orleans native

ELD Nominations

The Nominating Committee is pleased to announce nominees for the 1991/1992 year. The nominees are Cecilia Mullen for Secretary/Treasurer and Christy Hightower for Director. Elections will be held at the Annual Business Meeting in New Orleans.

— Dorothy Byers, Chair, Mary Jo Arnold, Hugh Franklin

From the Ask And Ye Shall Receive Department Comes...

An Engineering Libraries LISTSERV

In the last issue of the newsletter, John Saylor at Cornell asked if anyone was interested in setting up an Engineering Libraries LISTSERV. In this issue, from the ask and ye shall received department comes ... just such a LISTSERV!

The listserv will be set up on a CMS (Bitnet) machine at the University of Illinois at Urbana-Champaign with myself (Mel DeSart) as list owner/moderator. It will be open to librarians and others in engineering or related disciplines, but the core membership will come from ELD. The listserv will become available during the annual conference in New Orleans. Details concerning how to subscribe to the list, how to send and receive messages, etc will be made available at New Orleans and in the next issue of the newsletter (September, 1991).

A more immediate concern is exactly what to *call* this thing. And that is where you come in. We are going to have a contest of sorts to name the list. Contest rules are:

1. The name must be 8 characters long or less.
2. Submit as many suggestions as you like.
3. Send in your suggestions via e-mail, U.S. mail or phone.
4. All entries must be RECEIVED by me by Friday, May 24th, 1991.

To get you started, names like ENGINLIB, ELDLIST, ELDAATA, ENGINEWS, ENGIN-L, or ENGINNET are names that are typical of this kind of list. If you like one of these suggestion or if you have one of your own, please let me know.

Because "ELD" may be part of many of the suggested names and because the Engineering Libraries Division membership will be the core of the list, all suggestions (with the number of votes for each) will be forwarded to the members of the ELD Executive Committee who will be asked to render a final decision, which can then be announced in New Orleans.

Unfortunately, the only prize that this contest can offer is the look of satisfaction on your face if you voted for the winning name.

Address: Mel DeSart
Engineering Library
221 Engineering Hall
1308 W. Green Street
Urbana, IL 61801

Phone:
(217) 244-4426

E-mail: DESART@UIUCVMD.BITNET

Membership Update

I would like to retract (almost) the first paragraph of the last newsletter's "Membership News" because it was erroneous. My confusion as to our membership figures stemmed from the fact that the mailing labels which headquarters had sent me previously and which I quickly tallied up for my report were for people who had *discontinued* their ELD memberships! Imagine my horror when Christy asked me how I had arrived at my reported figure!

So, let's try this again... As of March 5, 1991, ELD's roster included 136 members. This figure represents a 9% increase over the number reported for FY 89/90, and 3% less than FY 88/89. Since I send out at least 3 "invitation to join" packets per week, I'm hoping to report that ELD has again broken the 140-member mark in my official membership report at our business meeting in New Orleans. The membership gladly accepts (and actively pursues) all "leads" on potential new members, so please keep those USnail [sic] cards and letters coming! Better yet — drop me an e-note: willis@unssun.nevada.edu.

— Glee Willis, Membership Committee Chair

ELD Membership Directory — New Edition

By now many members may be asking when a new version of the ELD Membership Directory will be available. I am happy to report that your copy should have arrived by the time you read this message in the newsletter, either that or it will shortly be on its way. Hopefully, it is the former.

I apologize for the production delay, but I sincerely feel that the end result was worth the wait. The new version I have renamed *The Directory of Members and Resource Guide* since it will now contain a complete-as-possible listing of our Division members, a listing of Division by-laws, a complete listing of position descriptions for the officers and committee chairs of the division, a listing of the current officers and chairs, a geographical listing of our members and finally an additional index of those members with e-mail addresses. Since publication is so close to the turnover of Officers and Chairs, I will only distribute a list of those changes following the Annual conference and not redo and mail a new directory.

I would like to thank Linda Musser, the former editor, for turning over to me high quality work from which to build on. These enhancements reflect the various needs now required by our members. Also, this new directory is available as an online version. Thus a copy or any portion of it can be transmitted electronically.

I would also like to thank Glee Willis, Membership Chair, for agonizing with me over the members listing. With the expected delays from Headquarters, we wanted to ensure that the listing was as accurate as possible and that no major omissions occurred.

Finally, I thank many other members who supported me and encouraged me during this delay. I welcome and encourage comments of any nature once you receive your copy.

— Edward Wladas, Membership Directory Editor

ASEE Centennial Committee

The ASEE Library Centennial Committee is in the final stages of preparing a survey to obtain information about histories of engineering and technology schools. The survey will be sent to librarians and will request information about books and archives. It should be mailed shortly. The deadline for survey return will be June 1. It is hoped that the results of this work will be a resource for professional historians and engineering buffs alike.

The committee welcomes volunteer Mel DeSart of the University of Illinois. Other members of the committee are Dorothy Byers and Don Richardson. Bill Lebold from the ASEE Centennial Committee has requested an update on our committee's activities. Professor Lebold has also asked for assistance in recommending procedures for ASEE's archives.

The committee would like the division's input regarding the feasibility of preparing a division history. Are there any volunteers for this activity?

— Charlotte Erdmann, Chair of ASEE's Centennial Committee

Call For Papers 1992 Annual Conference

As you review the ELD program for the upcoming conference please consider what you can contribute to the 1992 conference. Planning for that program will begin in New Orleans. Topic suggestions, research projects, mission reports, etc. will all be enthusiastically entertained. Criteria and procedures are listed below. I look forward to hearing from you. Palge Gibbs, 1992 Program Chair e-mail: PGIBBS@semassu.bitnet, phone (508) 999-8886, fax: (508)996-9759.

Criteria And Procedures For Review of Papers For The Annual Conference Proceedings

1. Criteria

- a. Topics shall be appropriate to the mission of ASEE, the theme of the conference, or the interests of the Division.
- b. The papers shall be substantive in nature, consisting of a conceptual, experimental, or applied treatment of a topic.
- c. Papers shall be a complete intellectual piece so that readers can learn from or apply the the ideas contained therein.
- d. Papers shall have proper references where appropriate.
- e. Papers shall be clearly, concisely and accurately written.
- f. Illustrations will be legible, properly labeled, and reproducible.

2. Network of reviewers.

The ELD Publications Committee is responsible for the review of papers. The Publications Committee consists of a Chairperson and several members, and the Chairpersons of the Subcommittees on Literature Guides, The Union List of Technical Reports, Standards and Patents in Engineering Libraries, and the Membership Directory. All members of the Publications Committee and its subcommittees are available as reviewers. The Chairperson will assign each paper to two reviewers from different institutions for blind review.

3. Schedule.

Nov. 1	Program Chair contacts authors of papers to be solicited.
Nov. 1	Abstracts of unsolicited papers due to Program Chair.
Nov. 25	Authors send papers to Program Chair.
Dec. 1	Program Chair sends papers to Publication Chair for reviewing.
Feb. 5	Program Chair notifies authors whether their papers were accepted and of recommended revisions.
Mar. 10	Revised manuscripts due to Program Chair.
Mar. 15	Publications Chair oversees review of final manuscript.
Apr. 15	Authors send camera ready papers to ASEE.

Review of ELD By-Laws

Last year at the ASEE meeting in Toronto, Jim Fries and Don Richardson volunteered to review the ELD by-laws and suggest revisions where appropriate, since this has not been done for several years. They have completed their review and have sent their suggestions to the ELD Executive Committee for review and comment. More information regarding the by-laws review and updating should be forthcoming during the annual business meeting in New Orleans in June.

Theft of Fiche

The following are excerpts from a series of e-mail messages from late March, 1991. — editor

We have just discovered that someone has removed all of our SAE Technical Papers on microfiche from the Engineering Library here at Cornell. The sixteen year run 1973–1989 is valued at about \$16,000. We have reported it to Public Safety and I will keep you informed of developments. Has anyone had a similar experience or any speculations as to who would do this?

— John Saylor, Cornell University
(John_Saylor@qmrelay.mail.edu)

This couldn't have been done all at once. Sounds like someone was systematically removing these things over time. Either that, or it was an inside job. A word to the wise for those of us who don't have a "closed" fiche collection. Tell your filers to keep their eyes open for indications of gross gaps.

— Kate Herzog, SUNY Buffalo
(unikh@ubvm.bitnet)

After reading my e-mail this morning about Cornell's loss of the SAE Technical Papers on microfiche, I checked our collection and discovered that our fiche for the years 1965–1972 are missing. We did some fiche shifting in early February, and to the best of our knowledge the collection was complete then. We still have the 1973–1989 years.

— Lee Murray, Syracuse University
(LIBLMM@SUVU)

As a follow-up to my message of yesterday. This AM we discovered that our U.S. Patent Gazette in microfiche (1960–February 1991) is also missing. Five microfiche drawers are empty! Checking back further we find that those fiche were there on March 6, and our SAE Technical Papers were there on February 26, 1991. So both thefts have occurred since 2/26. If anyone on the Listserv has any ideas, please contact me.

— Lee Murray, Syracuse University

Elsevier Buys Pergamon Press

Excerpts from an e-mail sent by Ann Okerson, Association of Research Libraries. — editor

... the major scholarly publishing news of yesterday [28 March 1991] was that Elsevier has negotiated to buy Pergamon Press. This announcement filtered through the publishing community after lunch Thursday and is detailed in reports in Friday morning's national press (*Wall Street Journal*, *Times*, *Post*, *Chicago Tribune*, etc.).

Excerpts from WSJ:

\$764.9 million dollar sale. "would reinforce the position of Amsterdam-based Elsevier as the world's biggest publisher of scientific journals, a highly profitable niche." Elsevier proposed "substantial investments in electronic delivery of scientific information over the next decade."

It appears that the combined serials output of Elsevier will be some 1100 largely sci-tech journals. The second-largest publisher in the arena is also European: Springer with over 300 titles. Had this merger occurred in the U.S., there is the sense that anti-monopolistic representation would be being made in an effort to halt the sale.

— Ann Okerson, ARL (OKERSON@UMDC.BITNET)

Would a National Engineering & Architectural Library Improve Library Service?

Mr. Neal FitzSimons, fellow, American Society of Civil Engineers, is collecting information on the need for a National Engineering and Architectural Library. He is very interested in the comments of engineering librarians. He has prepared a list of questions on this topic, and would appreciate hearing your replies, especially if you could respond before the end of May. He is especially interested in your thoughts on the cost to complete item #10 below, and wonders if ELD would be a logical steering committee for a study to examine these questions in greater detail. You can send your comments directly to: Neal FitzSimons, Engineering Counsel, 10408 Montgomery Ave, Kensington, MD 20895.

1. Would a National Engineering and Architectural (NE&A) Library improve the effectiveness of American Engineers and Architects and therefore improve the

American Industrial Sectors they serve, namely manufacturing and construction? [Has the National Agricultural Library (NAL) in Beltsville, Maryland and the National Library of Medicine (NLM) in Bethesda, Maryland improved the agricultural and health sectors perceptibly?]

2. What specific services would the NE&A Library perform?

3. What collections would the NE&A Library house?

4. How would the NE&A Library operate in terms of relationships with other libraries and users?

5. What advances in information processing would be utilized by the NE&A Library to serve its users?

6. How would the NE&A Library be initially funded? U.S. Congress via the Department of Commerce? Contributions from industry via engineering societies?

7. How would the NE&A Library be supported? Federal appropriations and user fees? Compare with NAL and NLM]

8. Would the present library of the National Institute of Standards and Technology (NIST) be an appropriate "core" library for the NE&A Library?

9. Would the collections of the Engineering Societies Library in New York City provide a valuable addition to the NIST core library?

10. Who should fund and who should undertake a study to examine the above questions (and others)? Should it be the Department of Commerce, the Library of Congress, the National Science Foundation, the Carnegie Foundation or some other organization(s)?

People & Places

Congratulations to Robert Schwarzwald, who is now writing the monthly *Technophile* column in the journal *Database*. His first column will appear in the August 1991 issue.

The Libraries of North Carolina State University have hired two new Engineering Reference Librarians who will start work July 1, 1991. The first is George S. Porter who has a BS in Engineering in Chemical Engineering from the University of Pennsylvania, and who will be getting his MS in Library Science from Columbia University this year. Mr. Porter has been working at H.W. Wilson Company from 1984-1988 as an indexer, and since 1988 as an Assistant Editor for *Applied Science & Technology Index*. Claire M. Locke has her BA from Windham College and her MLS from Columbia University. She comes to the NCSU Libraries from Duke University where she was a reference librarian. Her previous experience includes

being Assistant Engineering Librarian for Public Services at the Engineering Library, and Head of the Science & Technology Cataloging Section at the Olin Library of Cornell University.

The Worcester Polytechnic Institute Library has added UnCover to their "Library" program menu. Users can select UnCover as a menu item and the program will attempt to connect them. The library has purchased two of the \$900 passwords for UnCover. Users do not have to know the passwords as the program does the telnetting to CARL, selects UnCover, and inserts the passwords automatically. UnCover has been a very popular service with their users. They have also recently added an online Interlibrary loan request form to the library program menu. Right now it is limited to faculty and staff who want to request books, journal articles, or conference papers that the library doesn't own.

ELD Members In Print: "A Comprehensive Look at Materials Science Databases" by Christy Hightower and Robert Schwarzwaldner, *Database* v. 14, no. 2 (April 1991) p. 42-53.

Please update ELD officers and chairs' address list: Paige Gibb's new e-mail address is PGIBBS@SEMASSU.BITNET, Dorothy Byers internet address is byers@ucbeh.san.uc.edu, and Katie Clark's new bitnet address is KEC@PSULIAS.BITNET.

Frontiers in Education Conference

The Frontiers in Education Conference 1991 will be held at Purdue University on September 22 - 24. Libraries will be well represented with a session of papers to be presented by Mel DeSart of the University of Illinois, Scott Brandt of the Massachusetts Institute of Technology, and Jean Poland and Charlotte Erdmann of Purdue.

ASEE Journal Added to Engineering Index

The *Journal of Engineering Technology* has recently been added to the list of refereed journals included in *Engineering Index* according to Tom Bingham, subscription manager of this ASEE Engineering Technology Division publication. Published twice a year since 1984, JET articles are written by practicing engineering technology educators on a wide range of current issues and teaching techniques. Current library subscriptions are \$20.00 per year. A complete set of back issues (1984-1989) is \$100.00. Single issues are \$10.00 each except for the March 1984 inaugural issue which is

\$15.00. Send orders to: Thomas Bingham, Subscription Editor, St. Louis Community College at Florissant Valley, Engineering Department 3400 Pershall Road, Ferguson, Missouri 63135

Encyclopedia of Technological Failures

Susan Herring has signed a contract with Garland Publishing to compile an encyclopedia on technological failures. This encyclopedia will cover both specific incidents and modes of failure. (See her bibliography, *From the Titanic to the Challenger*, for an idea of the types of events to be included.) Anyone interested in contributing to the project, or in learning more about it, can contact Susan at the following address:

Susan D. Herring
Engineering Reference Librarian
University of Alabama in Huntsville
P.O. Box 2600
Huntsville, AL 35899

From the Standards Committee

The intent of the following **draft** survey is to collect the data necessary for the ASEE ELD Standards Committee to create meaningful standards for library services in support of engineering programs. The Committee believes that, in order to meaningfully determine necessary levels of library support for engineering programs, the standards will need to be flexible enough to take into account the many differences in the engineering programs that we all serve. We believe that questions 1 thru 9 on the survey will allow us to classify each institution quantitatively into four or five categories. We then hope to analyze the responses to questions 10 thru 23 in relation to these four or five categories in order to determine reasonable standards.

Before the Committee pursues this goal further we believe it necessary to develop a consensus within the ELD for the methodology proposed. The intent of this draft survey and the session on standards in New Orleans is to provide the opportunity for the ELD and other interested observers to voice their concerns, criticisms, etc. with the direction the Standards Committee is heading.

Please bring your **comments** on this **draft** to the conference session in New Orleans on this topic, or mail your comments to: Steve Gass, Engineering Library, Stanford University, Stanford, CA 94305-4029. E-mail address: CN.SXG@FORSYTHE.STANFORD.EDU

Draft Survey—ELD Standards Committee

- 1) Name of institution:
 2) Name of library:
 3) Name, title, and address of person filling out this form:
 4) Please check the category which best describes the library you work in:

Engineering Science/Engineering Main

To answer questions 5 thru 8, please use the data for your institution from the appropriate section in the March, 1991 issue of *Engineering Education*:

- 5) Number of faculty (total full-time, part-time, & other) [taken from bottom line of section 2A]:
 6) Number of undergraduates [taken from section 2B]:
 7) Number of graduate students [totals from the last 3 columns of section 5A]:
 8) Sponsored research budget for the college/school of engineering [total from 9A]:
 9) Please check the areas your institution offers degree programs in and circle the highest degree offered:

<input type="checkbox"/> Aerospace/Aeronautical	BS	MS	PHD
<input type="checkbox"/> Agricultural/Forest	BS	MS	PHD
<input type="checkbox"/> Bioengineering	BS	MS	PHD
<input type="checkbox"/> Chemical	BS	MS	PHD
<input type="checkbox"/> Civil/Construction/ Environmental/Surveying	BS	MS	PHD
<input type="checkbox"/> Computer	BS	MS	PHD
<input type="checkbox"/> Electrical/Electronic	BS	MS	PHD
<input type="checkbox"/> Engineering, General	BS	MS	PHD
<input type="checkbox"/> Industrial/Management Economics	BS	MS	PHD
<input type="checkbox"/> Materials/Ceramic/ Metallurgical/Mineral	BS	MS	PHD
<input type="checkbox"/> Mechanical/Manufacturing	BS	MS	PHD
<input type="checkbox"/> Mining/Petroleum/Natural Gas	BS	MS	PHD
<input type="checkbox"/> Naval/Marine/Ocean	BS	MS	PHD
<input type="checkbox"/> Nuclear	BS	MS	PHD
<input type="checkbox"/> Systems	BS	MS	PHD
<input type="checkbox"/> Other	BS	MS	PHD

- 10) Number of monographs added/yr specifically in support of engineering programs:

(includes monographic standing orders yes no)

- 11) Total number of physical volumes in collection in support of engineering programs:

- 12) Number of serial titles currently being received in support of engineering programs:

- 13) % of serials indexed in *Applied Sciences and Technology Index* owned by your campus library system [use the list of publications provided in the 1991 issues]:

- 14) % of serials indexed in *Engineering Index* owned by your campus library system [use the combined list of core and selective journals published in Engineering Information Inc.'s 1991 publication list]:

- 15) Size of collections budget specifically in support of engineering programs:

_____ monographs _____ serials _____ total

(monographic standing orders are included as part of
 monographs serials)

For questions 16 thru 18 please attempt to take into account all personnel managing, organizing, and providing service for collections in support of engineering programs. Please include acquisitions, cataloging, circulation, ILL/ILB, reference, etc.

- 16) Number of fte librarian staff providing service directly in support of engineering programs:

_____ in your library _____ in other parts of the library system

- 17) Number of fte non-librarian staff providing service directly in support of engineering programs:

_____ in your library _____ in other parts of the library system

- 18) Number of fte student assistants providing service directly in support of engineering programs:

_____ in your library _____ in other parts of the library system

- 19) Do you provide access to materials not owned by your campus library system for:

faculty yes no
 graduate students yes no
 undergraduates yes no

- 19A) If you answered yes to question 19, what is average amount of time required to fill a request for material not owned:

_____ less than one week _____ less than two weeks
 _____ less than a month _____ more than a month

- 19B) If you answered yes to question 19, do you try to expedite time sensitive requests: yes no
 Comments:

Draft Survey—ELD Standards Committee, con't

20) Number of seats for users (if your library serves more than the engineering community please also supply the total number of faculty, undergraduates, and graduate students who make up the served community):

21) Total square footage for stacks used to house collections specifically in support of engineering programs:

22) Total square footage for staff work areas in your library:

23) Comments:

Guidelines for filling out survey:

Questions 5 thru 8— are to be answered using the data from the most recent March issue of *Engineering Education*. [or possibly November issue]

Question 9 — should be answered based on local information.

Question 10 — if your library is the engineering library at your institution simply use the total number of monographs added to it during your last statistical year. Items received on monographic standing order should be included in this total if possible. If you are not a separate engineering library use the total number of volumes added to your institution in classification T (LC) or 600 (DDC) plus your best estimate of the number of volumes added in other classification areas specifically in support of engineering programs.

Question 11 — include items treated as monographs and serials, but do not include separately managed technical report collections.

Question 12 — include periodicals and annuals. Do not include monographic standing orders.

Question 13 — If you are unable to count this exact number, please use the following sampling technique: [to be determined]

Question 14 — If you are unable to count this exact number, please use the following sampling technique: [to be determined]

Question 15 — Monographic standing orders should be included in the monograph total if possible. If your library is the engineering library at your institution simply use the budget numbers for your library for the last statistical year.

If you are not a separate engineering library use the amount of money spent by your institution to purchase materials in classification T (LC) or 600 (DDC) plus your best estimate of the money used to purchase materials in other classification areas specifically in support of engineering programs.

Questions 16 thru 18 — Take into account all campus library staff who are involved in providing library support to engineering programs. To determine the amount fte provided by "centralized services" (e.g. ILL/ILB, acquisitions, cataloging, etc.) determine the percentage of activity devoted to engineering materials and the engineering community by this personnel. If this type of analysis is not possible, please determine the percentage of fte provided by these centralized services by dividing the total number of the engineering community by the total number of the campus community.

Question 21 — Use the same guidelines for determining "specifically in support of engineering programs" as in questions 10 and 15.

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