

# Engineering Libraries

# Division Newsletter



American Society for Engineering Education

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December 1991

## Message From The Chair

Hello engineering librarians and engineering colleagues! It's good to be here on your desk again with some news from home plate. I'm pleased to report that good old ELD is plunging along swimmingly. **Paige Gibbs'** plans for our sessions and meetings at the 1992 ASEE Annual Conference are beginning to lock into place and shape up well. After a request from **Mel DeSart**, our new Listserve Editor, for financial help to pay for disk storage space and related computer charges at the University of Illinois, two brief Executive Committee meetings were held by telephone in October and November involving the Chair, **Jay Waddell**, and Program Chair **Paige Gibbs**, plus Secretary-Treasurer **Cecilla Mullen**, and Directors **Christy Hightower** and **Bob Schwarzwald**, to discuss Division support for the ELDNET-L discussion group on E-mail. Because of our mutual sentiment in favor of this excellent forum, we agreed that a command decision needed to be made to keep ELDNET-L on the networks for its first year while we and you, it's subscribers and participants, become familiar with its potential and learn to exploit its possibilities. Based on Mel's best available estimates, the worst case maximum cost would be about \$260 for an entire year. The Executive Committee approved expenditures to that amount through June, 1992 from our BASS (Basic Accounting Services System) account. The actual expenses are expected to be considerably less than that. This coming June, at ASEE's Annual Conference in Toledo, we can evaluate the service and decide how and whether or not to continue to support it. In this era of expanding electronic information technologies and sources, perhaps support of this type should be one of ELD's missions.

Continuing on the theme of the E-mail forum, and on behalf of the 100 or more subscribers to ELDNET-L, and those who are looking forward to getting a computer account with an E-mail address which makes it possible to subscribe, I want to express great appreciation to member **Mel DeSart**, an engineering librarian at the University of Illinois, Urbana-Champaign, for his hard work and competent management of the ELDNET-Listserver. Thank you Mel! And to the many others who contribute, notably frequent users **Glee Willis**, **Linda Musser**,

**John Saylor**, and **Orlon Pozo**, I'm very impressed at your willingness to expand our horizons and opportunities with your ideas, questions, and initiative. Other subscribers, don't hesitate to get your two cents in. Everyone else wants to know what your experience and opinions are on the issues that emerge.

All this brings me to another topic. Last June, at our New Orleans conference, the matter of increasing the dues arose. One dollar per year to belong to this division of ASEE is a steal! Five dollars per year would be a bargain. It would cover the projected costs of the ELDNET-Listserver, and allow our BASS account to grow a little beyond the hard earned income from the sale of our information guides, plus it would permit some other activities that could benefit the Division. Do I hear other suggestions? You will see one proposal for a dues increase before the June 1992 Conference, at which a vote will be taken. Your opinion is welcome via E-mail to me, letters to the *Engineering Libraries Division Newsletter*, or other means. Have a good holiday season and a productive new year!

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

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# Publications Committee Update

The deadline for submitting papers to be considered for publication in the ASEE Annual Conference Proceedings is fast approaching (January 10, 1992). If you are interested in contributing a paper, send your manuscript to:

**Palge Gibbs, Program Chair**  
University of Massachusetts - Dartmouth  
Library  
North Dartmouth, MA 02747  
(508) 999-8886  
pgibbs@umassd.edu or .bitnet

The ELD September Newsletter contained a list of literature guides currently available from ASEE. To bring you further up to date, a list of guides currently being compiled (or waiting for a compiler) is given below.

TITLE	COMPILER
Applied Optics	Poland, J.
Architectural Engineering	Smith, C.
Automotive Engineering	(compiler needed)
CAD/CAM	(compiler needed)
Ceramics	Johnson, G.
Civil Engineering	Reinhard, B.
Electrical Engineering	Rhoades, M.
Engineering Acoustics	Musser, L.
Environmental Engineering	Grieg, K.
Ergonomics/Human Factors Engin.	Schiller, N.
Hydraulic Engineering	Forys, J.
Integrated Circuits	Osorio, N.
Materials Engineering	Harkanyi, K.
Metallurgical Engineering	Clement, E.
Ocean Engineering	Clemens, L.
Pollution Control	England, M.
Polymer Materials Engineering	Clasper, J.
Qual. Control/Materials Testing	Liu, M.
Robotics/Manufacturing Engin.	Erdmann, C.
Safety Engineering	(compiler needed)
Semiconductors	Wladas, E.
Soil Mech./Foundation Engin.	Butkovich, N.
Statics and Applied Mechanics	(compiler needed)
Superconductors	Kegel, D.
Tribology	Brown, J.
Union List of Technical Reports, Standards and Patents in Engineering Libraries	Ruffner, J.
VLSI	Osorio, N.

The following literature guides are in various stages of review, revision, and production: Aerospace Engineering, Artificial Intelligence, Bioengineering, Composite Materials, Educational Research Methods, Energy Engineering, Expert Systems, Food Engineering, Materials Handling, Nuclear Engineering, Petroleum Engineering, Statistical Information for the Engineer, Telecommunications, and Transportation Engineering.

If there are errors in this list, or if you would like to author one of these guides, please contact **Katie Clark** (814-865-3708; kec@psulias.bitnet), **Bob Schwarzwald** (313-764-7494; usergebf@umichum.bitnet), or **Tom Conkling** (814-865-3451; twc@psulias.bitnet). Also, one of these individuals should be contacted if you are no longer interested in or able to complete an assigned literature guide.

— Tom Conkling, Publications Committee Chair

## ELD's 1992 Annual Conference Plans

Wholly Toledo! All of the sessions that our division submitted have been accepted for the coming conference in Toledo, Ohio. Because of the society's fiscal restraint there is a severe limit to the number of sessions that will be available at this coming year's conference. We had stiff competition and I am very proud of our session moderators and their success. Our division's program will be:

**MONDAY** — First thing, a get-acquainted session. This is an excellent opportunity for learning who has some solutions to your library's problems, or the other way around. That evening will be a follow-up session where ideas can be more fully discussed.

**TUESDAY**— During the day on Tuesday, meet with the other divisions to which you belong and save your energy for our division's late afternoon business meeting and that evening's ELD banquet.

**WEDNESDAY** — is ELD Day! A morning session moderated by **Bob Schwarzwald** will present a session on materials science databases. This is a terrific second chapter to a presentation two years ago. We can brown bag munch at **Sheila Curl's** session "U.S. Patents, Intellectual Property Rights and the University." Given the topic and the speakers, plan on arriving early to get a good seat. In the afternoon a look at the latest results of the NASA study of the information seeking behavior of U.S. Aerospace faculty and students will be moderated by **Steve Gass**. Take this great opportunity to delve into the minds of our "clients." **Alan Gould** will be moderating our Poster Session. In this same issue of the newsletter he'll be asking you to contribute your experiences and procedures. Its a helpful, relaxed vehicle for comparing notes and concluding the program before wa all converge on the FREE edibles at the society-wide reception.

The conference will be in a hotel-convention center complex. After pondering what I should say about the city I realized that it, like our profession, is viewed by the world at large with brutish ignorance. The meeting promises to be enlightening, the company effervescent, and the location — fun.

— Palge Gibbs, Program Chair

## ELD Poster Session

Anyone interested in participating in the ELD poster session at the 1992 Annual Conference in Toledo, Ohio please contact Alan Gould, the coordinator for the session, at the address below.

Alan Gould, Engineering Library, University of Nebraska  
Lincoln, NE 68588. e: [alang@unlib.unl.edu](mailto:alang@unlib.unl.edu).  
v: (402) 472-3411, f: (402) 472-5131

## ASEE Centennial History Committee Update

The ASEE Centennial History Committee is delayed in mailing the survey on the History of Engineering Education. They now expect to mail the survey to members in January, 1992.

— Charlotte Erdmann, Purdue University

## Computational Mechanics Publications

Reprinted from the ELDNET-L

CML (Computational Mechanics Publications, LTD) has sold its journals to Elsevier for the 1991/2 subscription year. This was pointed out to me when I discovered that we had been billed \$1245 by a vendor for the 1992 subscription to *Engineering Analysis With Boundary Elements*. Last year we had paid \$312. First I called CML who told me of the sale and then I spoke to Barbara Schwartz at Elsevier in New York. First she said the price should be \$1078. Then she said that her latest list of price corrections (dated last week) indicated that the price had been altered to \$539. She also said that in 1992 this journal would have 90% more material than 1991. She also gave me 1992 prices for the other journals they bought from CML:

1. *Advances In Engineering Software and Workstations* - \$302 ('91), \$474.95 ('92) so we paid \$381.14.
2. *Advances In Water Resources* - \$307.51, so far we paid \$302.
3. *Applied Ocean Research* - \$302 ('91), \$308.47 ('92) so far we paid \$308.47.
4. *Artificial Intelligence In Engineering* - \$214.13 so far we paid \$210.
5. *Probabilistic Engineering Mechanics* - \$217.35 ('91), \$214.13 ('92) so far we paid \$247.23.
6. *Soil Dynamics and Earthquake Engineering* - \$437.92 so far we paid \$439.28.

I talked with a faculty member in Civil Engineering who said that the quality of these publications has been quite inconsistent and felt that the editors are more interested in making money than advancing scholarly communication. Has anyone else noticed this? How many ELD libraries subscribe to these titles? Can you also ask your faculty to evaluate their worth? I will summarize replies for the ELD listserver if anyone responds. Thanks.

— John Saylor  
e: [John\\_Saylor@qmrelay.mail.cornell.edu](mailto:John_Saylor@qmrelay.mail.cornell.edu)  
v: (607) 255-4134  
f: (607) 255-9606

## Cost of AIP Journals Update

Update - reprinted from ELDNET-L

Just wanted to update John Saylor's society price survey of 15 August [on ELDNET-L] with this information about the cost of the American Institute of Physics' "Journal of Physics" package. Last year we paid about \$9,200 and anticipate a 21% increase to \$11,100 for 1992! Those of you who are engineering libraries only can feel good about escaping this one!

— Kate Herzog, State University of New York at Buffalo

## Survey on Collection Development Outreach

Reprinted from the ELDNET-L

The Collection Development Working Group on Outreach at Cornell University is interested in knowing what kind of outreach or marketing activities you are presently using in your library. We are hoping to improve communication with the library's users -- their understanding of what we do and our understanding of their needs, with respect to collection development. Also, what is the primary mode of communication with your user communities re general library developments? We would appreciate seeing printed examples of newsletters, etc., from your library, if it is not too much trouble to send them. We would also be interested to know if anyone sends out an automated acquisitions list. Thank you.

PLEASE SEND INFORMATION TO:  
John Saylor, Engineering Librarian  
Carpenter Hall  
Cornell University  
Ithaca, NY 14853  
e: [John\\_Saylor@qmrelay.mail.cornell.edu](mailto:John_Saylor@qmrelay.mail.cornell.edu)  
v: (607) 255-4134  
f: (607) 255-9606

## ELDNET-L Wants YOU!

If you have not already subscribed to ELD's computer network, ELDNET-L, please add yourself to the list. All members for whom e-mail addresses were known were added to the list when it came up in August of this year. The list has grown from an initial group of 62 subscribers to it's current total of approximately 100. Some of the people who have added themselves to the list are not ELD members, which was expected, but MANY of the new subscribers ARE members of ELD. This leads me to believe that there are more of you out there who have e-mail addresses that we didn't know about in August who still have not subscribed to the list. C'mon, what are you waitin' for???

To subscribe to the list, simply send an e-mail note to [LISTSERV@UIUCVMD](mailto:LISTSERV@UIUCVMD) with the message SUBSCRIBE ELDNET-L followed by your name, first and last. You will receive a note from the listserv containing basic instructions for using e-mail lists and notifying you of your successful addition to ELDNET-L followed by a note from me with an overview of the list plus a selected commands summary.

If you are subscribed to the list but are not receiving mail (the list generally sees an average of 3-5 items per week) please contact me. Chances are it's because of an e-mail address problem. As a related item, if you are on the list and your e-mail address changes in ANY way, PLEASE send me a note with the change and I will update your address on the list. I currently spend as much time dealing with mail problems as I do running the regular functions of the list! Help me out if you can.

Thanks to all of you who have contributed to the list so far. I hope to see more messages from more people in the future.

— Mel DeSart, ELDNET-L Editor/Moderator  
[DESART@UIUCVMD](mailto:DESART@UIUCVMD) [DESART@VMD.CSO.UIUC.EDU](mailto:DESART@VMD.CSO.UIUC.EDU)

## Gifts of Standards Requested

The following four libraries have expressed an interest in developing more comprehensive collections of industry standards. These libraries will gratefully accept gifts of current and previous editions of industry standards.

Engineering Library  
 Pennsylvania State University  
 325 Hammond Building  
 University Park, PA 16802  
 CONTACT: Tom Conkling  
 814-865-3451

Engineering Library  
 Brigham Young University  
 2220 Harold B. Lee Library  
 Provo, UT 84602  
 CONTACT: Mark England  
 801-378-6011

Library  
 University of Massachusetts-Dartmouth  
 North Dartmouth, MA 02747  
 CONTACT: Paige Gibbs  
 508-999-8886

NCSU Libraries  
 North Carolina State University  
 Box 7111  
 Raleigh, NC 27695-7111  
 CONTACT: F. Orlon Pozo  
 919-515-7557

— Linda Musser

## ASEE's Engineering Technology Division Wants to Remind You ...

...about their journal, the *Journal of Engineering Technology* (JET). It is devoted exclusively to the field of ET education. Indexed in *Engineering Index* and *Compendex*, JET contains annual bibliographies of relevant materials, notes from the field, reports on innovative teaching, and a frank discussion of issues of current interest. Tom Bingham, Subscription Editor, announced at the June conference that complete sets of the back issues are still available as a single and bulk order subscriptions. For more information, contact:

Thomas J. Bingham, Jr.  
 St Louis Community College at Florissant Valley  
 3400 Pershall Road  
 Ferguson, Missouri 63135  
 (314) 595-4314

## Newsletter Schedule

Please send me contributions for the newsletter whenever you run across *news about appropriate people or places*, or you have a *question* that members might be able to answer. You don't have to wait for the submission deadline!

<u>Submission Deadline</u>		<u>Issue Published</u>	
February	14, 1992	March	1992
April	17, 1992	May	1992

— Christy Hightower, Newsletter Editor

## People & Places

**Vladimir T. Borovansky** received an extension of his Fulbright grant for the Fall Semester 1991 to teach in Prague, Czechoslovakia.

**New Engineering Library Planned for UIUC:** A new engineering library, to be named the **Grainger Engineering Library Information Center (GELIC)**, will soon be constructed at the **University of Illinois at Urbana-Champaign**. The new facility will support the instructional and research needs of 12 departments, 16 specialized centers, and 3 allied laboratories and will serve 5,400 undergraduate students, 2,100 graduate students, and 515 faculty members.

Scheduled to open in 1994, the Grainger Engineering Library Information Center will have 90,000 square feet of public space spread over five floors. The new facility will seat 1,200 patrons, contain special rooms for group study activities, seminars, conferences, audio-visual presentations, private study, and faculty research, store the existing engineering collection of 220,000 volumes, and accommodate the 6,500 new volumes added each year. GELIC will also contain 120 computer terminals for information retrieval services and academic use by students and faculty.

Serving as a model for science and engineering libraries, state-of-the-art communications and information technologies will provide the College of Engineering, the campus, and the State with access to hundreds of local and remote bibliographic and numeric databases. These databases will include INSPEC, the Aerospace Database, Compendex Plus, Metadex, NTIS, and the complete text of IEEE/IEE publications. The GELIC information services will feature advanced library information workstations, expert system user interface software, advanced bibliographic instruction and multimedia facilities, and full-text electronic document transmission capabilities.

A \$18.7 million gift from the Grainger Foundation is financing the building, which will be named in honor of **William Wallace Grainger**. A 1919 UIUC graduate in electrical engineering, William Grainger founded W.W. Grainger, Inc., which manufactures and distributes engineering equipment, components, and supplies nationwide.

## Homer I. Bernhardt Distinguished Service Award

You are invited to nominate a candidate for the ELD Homer I. Bernhardt Distinguished Service Award to be conferred at the annual 1992 conference in Toledo, Ohio.

The award, which consists of a plaque, will recognize work which contributes to the advancement and development of excellence in engineering libraries.

Any ASEE member may nominate a candidate. The candidate need not be a member of ASEE or the Division but must agree to be present at the PIC IV awards luncheon at the annual conference (except for emergency conditions).

The nomination form can be found on the last page of this newsletter. Both a statement of nomination and a citation are required for consideration. Nominations should be sent no later than **January 15, 1992** to:

ASEE/ELD Awards Committee  
Ray Bohling, Chair  
Science and Engineering Library  
University of Minnesota  
117 Pleasant Street, S.E.  
Minneapolis, MN 55455  
(612) 624-7899  
Fax: (612) 624-8518



# Membership Directory Updates

Please make the following address changes or additions in your ELD Membership Directory:

## Wendy CULOTTA

delete e-mail BITNET address, but keep INTERNET address.  
Also, her phone number is now 310-985-4555. An 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@VMD.CSO.UIUC.EDU

## Paige GIBBS

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

## 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: PJOHNSTO@GTRI01.GATECH.EDU

## Julle 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  
email: 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

## James S. OTTAVIANI, add entire new member entry:

Library Associate  
Engineering/Transportation Library  
University of Michigan  
312 Undergraduate Library  
Ann Arbor, MI 48109  
phone: 313-746-7494  
e-mail: OTTAVIANI@UB.CC.UMICH.EDU,  
USERHKES@UMICHUB.BITNET

## Jean POLAND

phone number is 317-494-1253  
e-mail: NPOLAND@ECN.PURDUE.EDU.BITNET,  
NPOLAND@ECN.PURDUE.EDU

## Jill POWELL, change e-mail to:

JILL\_POWELL@QMRELAY.MAIL.CORNELL.EDU  
fax: 607-255-9606

## F. Orion POZO, change entry to read:

Collection Manager for Engineering and Physical Science  
North Carolina State University—Raleigh  
NCSU Libraries  
Box 7111  
Raleigh, NC 27695-7111  
phone: 919-515-7557  
fax: 919-515-7854  
e-mail: ORION\_POZO@NCSU.EDU

## Doanld G. RICHARDSON

fax should be: 508-831-5829  
e-mail should be: DRICHARD@WPI.WPI.EDU

## John SAYLOR

fax : 607-255-9606  
e-mail should be:  
JOHN\_SAYLOR@QMRELAY.MAIL.CORNELL.EDU

## Eric SMITH

fax is: 919-684-4860  
phone number is: 919-660-5368

## Camille WANAT

phone number should read: 510-642-0634  
e-mail: delete the BITNET address

## Edward D. WLADAS

e-mail: add EWLADAS@SCUACC.SCU.EDU

In the GEOGRAPHICAL INDEX under Pennsylvania change University of Pennsylvania—College Park to Pennsylvania State University—University Park.

I would like to thank the many members who have offered many comments on our *Directory of Members and Resource Guide*. If any of you have additional changes or comments, please let me know. A complete new listing of the Members ONLY section of the Directory should be completed in the Spring and printed in a reduced format to accommodate this information on less pages. More news will be announced later.

— Edward Wladas, Membership Directory Editor

ASEE/ELD

Homer Bernhardt Distinguished Service Award -- Nomination

Deadline: January 15, 1992

Candidate's Name: \_\_\_\_\_

Present Position: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

- (1) Rationale for Nomination: a statement, not to exceed 250 words, on why the candidate is being nominated for the award.
- (2) Citation: a brief statement, not to exceed 100 words, giving the major accomplishments for which the award is being made. (This will be used if the nominee is selected as the awardee.)

Nominator's Name: \_\_\_\_\_

Inst. & Dept.: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

ASEE Membership #1: \_\_\_\_\_

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# Future of the Electronic ELD Newsletter

(Reprinted from the sample electronic version of the December newsletter on ELDNET-L)

You now have on your screen a **sample** of what the electronic version of the *ELD Newsletter* will look like. Is this format really useful to you? Does getting the newsletter this way make a **significant** improvement in your professional life? Do you have time to read more email (especially long email like this)? Do you have a nice printer on which to print this out? Or, and let's be **honest** now, do you personally happen to prefer getting the paper edition in the mail, so that you can file it and refer back to it?

At the Annual ELD Business Meeting in New Orleans in June 1991, I heard so many members voice an interest in an electronic edition of the newsletter that I felt I had been given a mandate from the membership to produce such an edition this year. In the print edition of the September 1991 *ELD Newsletter* I asked those members who wanted to receive the electronic version to send me their email address in order to "subscribe" to the electronic edition. We have at least 152 members, but **only 10 people responded saying that they wanted the newsletter electronically**. This is confusing, since that's not the sentiment that I heard at the meeting. On the other hand, if this reflects our membership's true interest in this edition, then I appreciate your honesty, because an electronic version is significantly more work for me, and **does cost ELD money**. There is a cost to send this file out on ELDNET-L (we are investigating the exact costs now) and there may be a cost to ELD if I create a separate electronic mailing list just for the newsletter. If people want both electronic and print, there will be no printing or postage savings to ELD to offset the electronic costs.

An electronic newsletter will get delivered to you faster, and might save trees and money if enough people only want the electronic version. But just because we have the technology to produce an electronic edition of the newsletter does not mean that we should. It depends on which version you personally prefer. **Please consider its real value to you in this format and vote carefully**. I am asking those people who want the electronic version and who have not yet contacted me to do so **no later than February 1, 1992**. If at least 1/3 of the membership (50 members) subscribe to the electronic version I will produce it. Otherwise the concept will be reconsidered at a later time. I'm looking forward to hearing from you.

— Christy Hightower, ELD Newsletter Editor

chightow@ucsd.edu

chightow@ucsd.bitnet

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University of California, San Diego  
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La Jolla, CA 92093-0175