

Engineering Libraries

Division Newsletter



American Society for Engineering Education

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Message From The Chair

It's hard to believe, but we are almost halfway through the fiscal year and the New Orleans Conference is approaching fast.

Jay Waddell, who attended the Fall Planning Conference in the Big Easy in October (and is reporting in detail elsewhere in this newsletter), worked hard on the program preparations and told me that we will have another great conference.

In September, the Centennial Steering Committee sent me a sheet of Centennial logos for distribution to our officers. We are using them on all our publications, including stationary and newsletters, etc. You will see one on the cover of this newsletter.

The Society Publications Committee has reviewed and approved our procedure for reviewing papers intended for publication in the ASEE Annual Conference Proceedings. Congratulations to all who participated and contributed to this task.

Glee Willis and her committee are working diligently on recruiting new members to our division. You will find her report in this newsletter.

On a personal note, my sabbatical is approaching very fast, especially when I see how much I have to accomplish before I leave. I will be leaving for Prague on January 7, 1991, returning to the States June 10, 1991, in plenty of time to recover before the Annual Conference.

Thanks to hi-tech, I will be, hopefully, in contact with my ASU office via BITNET and even with some of you, if need be. Right now the BITNET node is at another university in Prague, so I am not sure how frequently I can use their computer.

My best wishes for the holiday season and all the best to everyone in the new year 1991.

-- Vladimir T. Borovansky, Daniel E. Noble Science & Engineering Library, Arizona State University



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ELD Chair Awarded Fulbright

Vladimir T. Borovansky, Head of the Noble Science & Engineering Library at Arizona State University and 1990 - 1991 Chair of the Engineering Libraries Division of ASEE has been awarded a Fulbright grant to Charles University, Prague, Czechoslovakia in library science, the Board of Foreign Scholarships and the United States Information Agency (USIA) announced recently.

Dr. Borovansky is one of approximately 1,500 U.S. grantees who will travel abroad for the 1990-91 academic year under the Fulbright Program. Established in 1946 under Congressional legislation introduced by former Senator J. William Fulbright of Arkansas, the program is designed "to increase mutual understanding between the people of the United States and the people of other countries." Under the Fulbright Program, approximately 5,000 grants are awarded each year to American students, teachers, and scholars to study, teach and conduct research in 130 countries around the world, and to foreign nationals to engage in similar activities in the United States. Individuals are selected on the basis of academic and professional qualifications plus their ability and willingness to share ideas and experiences with people of diverse cultures.

Congratulations, Vladimir!

Plans for Annual Conference June, 1991

The Fall Planning Meeting for the ASEE June 16th to June 19th Annual Conference was held on October 26th and 27th in marvelous New Orleans. This meeting, which is attended by the Host committee (from the University of New Orleans), the ASEE Annual Conference Committee, the elected ASEE officers, Headquarters staff, Chairpersons of the Professional Interest Councils, Program Chairs of the Divisions, and other division officers, affords our first opportunity to look over the conference plans as a whole, plus the proposed Mini-Plenary Sessions, the facilities, and the host community. It is a most interesting and adventurous event.

We examined and ranked twelve Mini Plenary proposals. Normally four to six are selected. One of those proposed was a program on strategies for linking women and minority engineering faculty with women and minority engineering students in project fostering relationships. The three criteria for evaluating Mini-Plenaries are:

1. Suitability to the theme of the Conference which is "Challenges in a Changing World;"
2. Of general interest to the ASEE as a whole;
3. Beneficial to the ASEE.

After three of the proposals were withdrawn, the ASEE Conference Planning Committee and officers weighed the remaining ranked proposals against the criteria and accepted only two of them! One that was eliminated was the proposal on minority faculty and students! Considerable concern about the error of this decision was expressed among the program chairs, but not enough to cause a reconsideration. In reaction to this matter, some of the divisions, including the ELD, have offered to cosponsor this idea as a regular session because of its relevance and importance.

In spite of this puzzling oversight, the planning went very well and our sessions are in place. We will be cosponsoring sessions with the Computers in Education Division, the Information systems Division, and the Engineering Economy Division. We are jointly sponsoring one session with the Educational Research and Methods Division. Our ELD sessions promise to be truly interesting and to strike a balance of between the intellectual and the applied points of view:

1. **Open Forum -- Library Update.** Our annual Monday morning meeting and idea exchange.
2. **Applications of Technology in Engineering Education.** Jointly sponsored session with the Educational Research and Methods Division.
3. **Engineering Libraries Discussion Session.** An evening follow-up of the Open Forum intended especially for networking among new and old members.
4. **Minimum Standards For Academic Engineering Libraries, A Draft Proposal.** This one will be a gas! [i.e. Steve Gass is the moderator -- editor]
5. **The Global Economy and Engineering Standards.** Speakers from ANSI and ASTM are confirmed, we're working on reactors from the International Division.
6. **Alternatives In Technical Libraries: The Effect of E-Mail and OPAC-Mounted Commercial Databases On Library Services and Use.** Two excellent speakers are committed.
7. **Poster Session.** One presenter so far: planning a sci/tech library move.

Of course, we will hold the usual **Annual Business Meeting** on Tuesday evening, June 18th. Afterward, we can look forward to wonderful New Orleans cuisine for our **ELD Banquet**. We have found an interesting French Quarter restaurant to serve us in a private dining room.

New ELD members and new conference attendees will find themselves rewarded by new or renewed friendships and contacts and by the information acquired in the proceedings. Our collective presence and participation invigorates and vitalizes our division and therefore our professional lives. Even though it has been 35 year since I lived in New Orleans, I felt right at home. I hope to see you there!

-- Jay Waddell, 1991 ELD Program Chair.

A Visitor's Guide to New Orleans

1991 ASEE Convention Site

I was delighted to have the opportunity to do a series of short articles for the divisional newsletter on New Orleans. I grew up in the city and regularly visit my family there. Moreover, I have never ceased to think of myself as a New Orleanean. I hope all of you will attend the meetings in New Orleans and take the time to get to know this culturally rich and extremely enjoyable city. In this installment I will cover some of the things to see and do in New Orleans. In future issues I'll write on "Food Drink and Music" and "Tips for the Visitor."

New Orleans lies between the Mississippi River to the south and Lake Pontchartrain to the north. Most of the large hotels and convention space is along Canal Street in the heart of the business district. The University of New Orleans, official host of the meeting, is on the lake ... pretty far from the action. If you plan on staying in a dormitory, I suggest Tulane or Loyola Universities (in that order). They are closer to Canal Street and are in a very picturesque part of the city, the "Garden District."

Most famous, or infamous depending upon one's point of view, of New Orleans' visitor sites is the French Quarter. The French Quarter or *Vieux Carre* (v-yer ka-ray) is bound by the river, Iberville Street, Esplanade Avenue and Rampart Street. Bourbon Street (Rue Bourbon) is perhaps best known for strip shows, female impersonators and all-around decadence. For the less intrepid visitor, Royal Street offers a vast array of curio and antique shops. A stroll through the "Quarter" is a must. The architecture, shops, sights and sounds are worth experiencing. New Orleans' cemeteries have long intrigued visitors because of our tradition of above ground burial. The oldest and most interesting of New Orleans' cemeteries is Saint Louis No. 1, located on St. Peter Street between Burgundy and Rampart. If you visit, put a chalk X on the grave of Marie Laveau. The famous voodoo queen is said to still grant the wishes of petitioners. No visit to the Quarter would be complete without a trip to Jackson Square (on the river in the Quarter). While there visit Cafe' Du Monde and order a

cup of cafe au lait and beignets, trust me. The farmers market is nearby and features a flea market every weekend.

Much has been done to transform the riverfront area since I lived in New Orleans. Travelling from the Quarter to Canal Street along the river you pass through a series of plazas, unique shopping areas and the new aquarium. If you have time or are coming with family, take the riverboat trip from the Spanish Plaza to the Audubon Park Zoo. The Zoo is excellent and the trip is well worth the time.

One block SW from the intersection of Canal and Saint Charles (on St. Charles) catch the one remaining street car line for a trip to the Garden District. (This is the most scenic way to get from the Central Business District to Tulane and Loyola Universities.) The street car ride takes you through some of the most magnificent areas in New Orleans. Take some time to explore the Garden District on foot. There are a number of parks, historic buildings, neighborhood restaurants and shopping areas that make this part of the city especially interesting. Suggested stops include the university area and Maple Street; just ask the conductor for directions.

For those of you who enjoy golf, tennis, canoeing or just strolling, City Park (travel away from the river on Esplanade Avenue) offers over a thousand acres of parkland.

I would recommend buying a map of the city. Few streets follow compass-point directions. There are a number of good city guides available commercially. Be a bit wary of establishments clearly designed to catch the tourist ... unless you enjoy being overcharged, drinking watered-down drinks and hearing Dixieland jazz's top forty repeated ad nauseam. In my next piece I'll ... give ya da word on da places dat New Orleanians go ta pass a good time.

-- Robert Schwarzwald, University of Michigan

Literature Guides Subcommittee Update

Two more titles have been published and sent to ASEE headquarters: *Fire Protection Engineering Materials* by Don Richardson (in the Literature Guide Series) and *Academic Engineering Library Statistics 1985-1986* edited by Steven Gass and Christy Hightower and compiled by the Standards Committee.

The literature guides can be ordered from ASEE Publications Sales, Suite 200, 11 Dupont Circle, Washington, D.C. 20036. The guides are sold for \$5.00. *Academic Engineering Library Statistics 1985-1986* is sold for \$12.00 or \$6.00 for those libraries that participated in
See LITERATURE GUIDES, page 4

LITERATURE GUIDES, *continued from page 3*

the survey. [Prepaid, plus shipping & handling. See next article. --editor] The following literature guides are in print and for sale:

<u>Literature Guide Title</u>	<u>Compiler</u>	<u>Date</u>
Agricultural Engineering	Cloud, G.	1985
Chemical Engineering	Loomis, R.	1986
Computer Engineering	Bean, M., et al	1985
Computer Science	Loomis, R.	1985
Engineering Geology	Mullen, C.	1987
Engineering Management	Brown, J.	1988
Fire Protection Eng. Materials	Richardson, D.	1990
Mechanical Engineering	Franklin, H.	1985
Mining Engineering	Erdmann, C.	1985
Software Review Sources	Bean, M.	1986

The Union List of Technical Reports, Standards and Patents in Engineering Libraries compiled by Dorothy Byers in 1986 is also in print and available for \$5.00.

Volunteers are needed to compile Literature Guides for the following unassigned topics:

Automotive Engineering
 Polymer Materials Engineering
 Quality Control and/or Materials Testing
 Statistics and Applied Mechanics

For those of you who are unfamiliar with the Literature Guides, their purpose is to provide basic reference material for library support of strong undergraduate engineering programs. The final length of the guides ranges between twenty and thirty-five pages, depending upon the topic. Please contact me if you are interested in being a compiler. You may work with another person in a "joint venture". If you have suggestions for new guide topics, please submit them to me.

I have sent letters to all current compilers to get a status report on their guides. Some compilers may chose not to complete their guides which will free up topics for new compilers. If any additional topics become available I will post them in the next newsletter.

Two members of the Publications Subcommittee on Literature Guides were accidentally omitted from the list in the September newsletter -- Charlotte Erdmann and Ray Bohling.

As of December, I will have a new address. Please write or call me at the Life Sciences Library, E205 Pattee, Penn State University, University Park, PA 16802, telephone 814-865-7056.

-- Katie Clark, Literature Guides Subcommittee Chair

Other Publications From ASEE

In addition to the engineering literature guides, ASEE publishes other titles that may be of interest to ELD members. While many titles are several years old, recent titles include:

Directory of Engineering Technology Institutions and Programs. "Listing almost 400 institutions and 1,700 programs, this directory focuses on two-year, four-year and graduate engineering technology programs in the U.S. Sorted by state and curriculum category, the listings contain the program name, program level, ABET-accreditation status and general contact information for each institution." Produced by the Publications Committee of ASEE's Engineering Technology Council, June 1990; 80 pp., \$8.00.

Computer Software for Engineering Technology. "Intended for engineering technology instructors and administrators, this booklet helps in selecting computer software for engineering technology programs. Listings present applications, appropriate academic level for the software, sources and hardware recommendations." Produced by ASEE's Publications Committee, Engineering Technology College Council and Engineering Technology Division, 1988; 38 pp., \$4.00.

Orders totalling \$30.00 or less must be prepaid, and postage and handling charges (up to \$30.00 add \$1.50, \$30.01 - \$60.00 add \$2.50, \$60.01 - \$100.00 add \$5) must be added to each order. Make checks payable to ASEE Publication Sales. To receive a brochure listing all of the professional publications currently available from ASEE write to : American Society for Engineering Education, Publication Sales, Eleven Dupont Circle, Suite 200, Washington, D.C. 20036.

-- Christy Hightower, Newsletter Editor

Membership Committee Update

The Membership Committee has been doing quite a bit of behind-the-scenes work since the annual conference in Toronto. The committee membership consists of Cecilia Mullen, F. Orion Pozo, Glee Willis, and Elaine Granatstein, from the University of Toronto, who has been appointed as the committee's liaison for Canadian members.

Orion has started to scan "people in the news" sections in library journals for prospective new members, an activity appropriate for the membership committee which was

suggested at the ELD business meeting in Toronto. Apparently, this activity has been carried out in the past, but I wasn't aware of it. Orion will also be following up on lapsed members to determine why they have dropped their ELD memberships. Lastly, Orion will be procuring ELD badge ribbons for division members to wear at the annual conferences to increase visibility within the society. The membership office will be sending me a supply of New Member ribbons.

Cecilia drafted this year's "Invitation to Join" letter for Vladimir's letterhead and signature. She will be the moderator for the evening discussion session at the annual conference, and is helping me to revise the "how to socialize at the annual conference" handout, and the "ELD membership benefits" flyer. She will also be the committee's liaison to the editor of the ELD Directory.

Elaine has sent me names of several prospective Canadian members, and we are creating a list of Canadian organizations from which additional prospective members might be gleaned.

I have arranged for the ASEE membership office to mail me several lists and items which the committee needs in order to carry out this year's recruitment and membership tracking efforts. I am also creating a "welcoming" packet to be sent to new members.

As per the established modus operandi, all ELD members should refer names of prospective members to me so that I can send them a recruitment packet and, eventually, sponsor them and track their membership through the various channels. I send out about five recruitment packets per month in response to ELD member's tips, in addition to the mass recruitment efforts I am undertaking (this year's will be via the Council of Engineering Dean's).

In other words, you can rest assured that the Committee is working hard to carry out its duties!

-- Glee Willis, Membership Committee Chair

Wanted: Instructional Aids for COMPENDEX on CD-ROM

Do you have instructional handouts, brochures, flip charts, posters, etc. for COMPENDEX on CD-ROM that you could share with a colleague? Nancy Schiller of SUNY Buffalo would appreciate seeing what you have developed. Please send samples of instructional materials to Nancy at the Science & Engineering Library, State University of NY at Buffalo, Buffalo, NY 14214.

People & Places

Congratulations to F. Orion Pozo on his new position as Assistant Collection Manager for Engineering and Physical Sciences at the North Carolina State University Libraries. He starts January 1991.

ELD member in print: "Searching Library Catalogs on the Internet: A Survey" by Aggi W. Raeder and Karen L. Andrews. *Database Searcher*, v. 6 no. 7 (September 1990) p. 16-31.

Other publications of interest:

Library Perspectives on NREN: The National Research and Education Network edited by Carol A. Parkhurst. Chicago: ALA, 1990. The price is \$10.50 (\$8.50 in quantities of 10 or more). An information packet on the National Research and Education Network, which was made available to attendees at the Library and Information Technology Association President's Program at ALA's annual June conference, generated a great deal of interest. Due to the demand, papers contained in that packet plus papers based on the speakers' presentations at the President's Program have been published in this volume by LITA/ALA.

"Writing a Project - A Library User Education Package for Engineering Students" by M. Shoolbred in *Education for Information*, v. 8 no. 1 (March 1990) p. 33-40.

"Accreditation and Diversity in Engineering Education" an editorial by M. Granger Morgan in *Science*, v. 249 no. 4972 (August 31 1990) p. 969.

ROGER, the University of California at San Diego's local online catalog, was inaugurated on 28 September. ROGER is an INNOPAC library system from Innovated Interfaces, Inc.

News from the Arizona State Libraries: The ASU Libraries Dean Don Riggs has resigned and accepted the deanship at the University of Michigan. The interim Dean will be Sherrie Schmidt who came to ASU recently from Texas A&M as Associate Dean for Library Services. The search for Don Riggs' replacement will begin shortly.

The Daniel E. Noble Science & Engineering Library at ASU was selected as one of fourteen libraries nationwide to be a test site for the Automated Patent System being developed by the U.S. Patent & Trademark Office. The test will begin July 1, 1991. This system will provide users with online access to the full text of patents dating back to 1790.

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 1991 conference in New Orleans, LA.

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).

Nominations should be sent no later than **January 15, 1991** to:

ASEE/ELD Awards Committee
Ann Montgomery Smith, Chair
Alumni Library
Wentworth Institute of Technology
550 Huntington Avenue
Boston, MA 02115
(617) 442-9010 x359

The procedure for nomination is given on the nomination form on the last page of this newsletter. Both a statement of nomination and a citation are required for consideration.

Newsletter Schedule

Please send 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, or you have a committee report to bring to the member's attention. **You can always submit early, you don't have to wait for the submission deadlines!**

However, please note that the submission deadline is the date I must **receive** your articles in order to get them in the next issue, not your last day to mail them! -- editor

<u>Submissions Due</u>		<u>Issue Published</u>	
February	15, 1991	March	1991
April	24, 1991	May	1991

Address Corrections and Additions

The following corrections should be made to the list of Officers & Committees 1990-1991 that was published in the September newsletter:

Vladimir Borovansky's library is the Noble Science & Engineering Library (not Nobel) and his new FAX number is 602-965-9169.

Glee Willis's address and phone number should read:
Engineering Library (262)
University of Nevada
Reno, NV 89557-0030
702-784-6827
FAX: 702-784-1751

Robert Schwarzwaldner's new FAX number is 313-763-9813.

Karen Andrews has a new Internet address:
ANDREWS@SEAS.UCLA.EDU

Katie Clark's new address is:
Life Sciences Library
E205 Pattee
Penn State University
University Park, PA 16802
814-865-7056.

ASEE/ELD

Homer Bernhardt Distinguished Service Award -- Nomination

Deadline: January 15, 1991

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 #: _____

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