

# Division newsletter



American Society for Engineering Education

DIVISION: ENGINEERING LIBRARIES

EDITOR: JIM KYED - HELEN WILTSE DATE: MAY 1987  
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## Message From the Chair

Don Richardson  
Worcester Polytechnic Institute

Now that my second term as ELD chair is about over, I want to thank all of you for your efforts on behalf of the division and for making my time in office an enjoyable one.

This year the division continued to make progress in a number of areas. The publications program, under the direction of Kathy Jackson and Rosemary Loomis, is thriving with several literature guides already in print and many more underway. Thanks to all of you who have contributed to this effort to date.

After much hard work, John Forsys and the Standards Committee issued the first edition of Annual Statistics of Academic Engineering Libraries, and they continued to collect data for the next edition. And Dorothy Byers efforts to facilitate interlibrary loan of hard-to-find items resulted in the initial edition of Union List of Technical Reports, Standards and Patents in Engineering Libraries.

Wendy Culotta, Karen Andrews, and Jay Waddell, of ELD's Accreditation Committee, broke new ground by participating as observers on ABET team visits. Their reports on their experiences will be most interesting.

During the year special contributions were made by Karen Andrews, Jim Kyed, and Charlotte Erdmann (Nominations); Helen Wiltse (Membership); and Vladimir Borovansky (Directory of Members). And again this year, Jim Kyed and Helen Wiltse worked diligently to collection information and publish each edition of the newsletter.

Finally, Hazel Wetts has been hard at work on this year's conference program for nearly a year now, and her efforts are reflected in the final program details in this newsletter. Thanks to her and all of the participants in the program.

Now its up to all of us to help make this year's conference a success by coming to Reno June 21-25. See you there!

PROGRAM

ENGINEERING LIBRARIES DIVISION  
ASEE ANNUAL CONFERENCE  
RENO, NEVADA, JUNE 21 - 25, 1987

Sunday, June 21, 1986 Session No.: 0840  
8:00 - 10:00 PM Room 228 Scrugham Engineering-Mines  
Hostess: Sarah Thomas, Embry- Bldg. Univ. of Nevada  
Riddle Aeronautics Univ.

Get acquainted mixer for ELD Members. An informal get together and tour of the engineering libraries for members. Wine and cheese provided. Held immediately following the picnic on the University of Nevada, Reno campus. No other events will be on campus, so it's your opportunity to visit the campus and meet our members.

Monday, June 22, 1986 Session: 1240  
8:30 - 10:15 a.m.

Open forum - Library Update Presiding: Jim Kyed, Georgia Institute of Technology.  
Update members on developments in your library during the past year to promote useful discussions during the Conference. Members having mutual interests will be given the opportunity to form groups and continue discussions during lunch.

10:30 - 11:45 a.m. Session: None

ELD Committee Meetings  
Presiding: Committee Chairs  
This is not an official conference session. This time period is allocated for a conference-wide miniplenary session. For those not wishing to attend the miniplenary, it is suggested that this would be a good time for the ELD committees to meet.

4:00 - 5:30 P.M. Session: 1640

Learning from mathematical Games: Patterns, Predictability, and the Psychology of Chance.

Co-Sponsoring Unit: Educational Research and Methods  
Moderator: Jay Waddell, California Polytechnic State Univ., San Luis Obispo, CA

Speakers: Dr. Donald C. Pfaff, Dept. of Math., Univ of Nevada, Reno. "Teaching Mathematics Through Games."  
Dr. William R. Eadington, Dept. of Economics, Univ. of Nevada, Reno. "The Structure of Casino Games and Gambling Opportunities."  
Dr. John Rosecrance, Dept of Criminal Justice, Univ. of Nevada, Reno. "Self-Concept and Human Behavior in a Game of Chance."

Tues., June 22 Session: 2240  
8:15 - 10:15 A.M.

Utilizing Laser Disc Technology for Information Retrieval.

Moderator: Rosemary Loomis, Texas A & M University

Speakers: George Machovec, Coordinator of Computer Reference Services, Arizona State University, Tempe, AZ  
"The ASU experience with ISI's CD ROM index."  
Helen Wiltse, Associate Director, Georgia Institute of Technology, Atlanta, GA  
"Laser disc technology in engineering libraries: cost, uploading capabilities and computer requirements."  
Rosemary Loomis, Reference Librarian, Evans Library, Texas A & M Univ. "Wiley laser disc search service at Texas A & M."

2:00 - 3:45 P.M.

Session: 2540

Laser Disc Technology: A New Era for Information Storage and Retrieval

Co-sponsors: Computers in Education Div.; Information Systems Div.

Moderator: Kathy Jackson, Texas A & M Univ., College Station, TX

Speakers: Donald L. Light, Head, Laser Disc Research Program, U.S. Geological Survey, National Mapping Div, Reston, Virg. "Laser Disc Technology: its potential usefulness in science and technology."  
Pamela Andre, Information Systems Division, National Agriculture Library, Beltsville, MD. "Putting it all into practice - NAL's laser Disc Project & its Significance."

4:00 - 5:30 p.m.

Session: 2640

Engineering Libraries Division Business Meeting

Presiding: Donald G. Richardson, Worcester Polytechnic Institute,

7:00 - ??

Session: 2740  
\$15.00

Engineering Libraries Division Dinner

Enjoy a typical Basque dinner at Louie's Basque Corner. Served family style, the menu includes soup, salad, chicken with rice grilled pork chops, wine, etc. etc. BE SURE TO PRE-PAY WITH YOUR REGISTRATION. WE NEED TO GUARANTEE THE NUMBER THAT WILL BE PRESENT.

Wednesday, June 24,  
8:30 - 10:15 a.m.

Session: 3240

End-user Online Searching in Engineering Libraries

Moderator: Don Richardson, Gordon Library, Worcester Polytechnic Institute.

Speakers: James Fries, Feldberg Library, Dartmouth College,

"Databases and Vendors: What's Out There."  
Joanne Williams, Gordon Library, Worcester Poly-  
technic Institute, "Training End-users and staff to  
Search."  
Wendy Culotta, Library, Calif. State Univ., Long  
Beach, CA. "Organizing, Managing, and Promoting  
End-user Services."  
Charles Smith, Texas A & M Univ. Library, College  
Station, TX, "Use of Gateways and Software for  
End-users."

12 - 1:30

Session: 3440

Executive Committee Meeting  
Presiding: Hazel Wetts, Univ. of Southern Calif.  
Closed meeting for officers and committee chairs.

2:00 - 3:45

Session: 3540

Software copyright and Use Issues in Academic Engineering Environments.

Moderator: Jim Fries, Dartmouth College

Speakers: Billy V. Koen, Dept. of Mech. Engineering, Univ. of  
Texas, Austin. "An Engineering Faculty members's  
perspective on microcomputer software use and copyright."  
John Crane, Circulation Services Librarian, Baker  
Library, Dartmouth College. "An Academic  
librarian's perspective on managing and using micro-  
computer software."  
Robert Norton, Dept. of Mech. Engineering, Worcester  
Polytech Institute. "Microcomputer laboratory at  
Worcester Polytech Institute: six years before the  
mast."  
Anne Duffy, Senior Editor, McGraw Hill Publishing Co.  
"

4:00 - 5:30

Session: 3640

Innovative ideas in engineering libraries

Co-sponsor: Information Systems Division

Moderator: Barry Hartigan, Univ. of Florida, Gainesville

Presenters: Ann Montgomery Smith, Library, Wentworth Institute  
of Technology, Boston, MA, "The Library  
environment and the image of the Library."

Hugh Franklin, Oregon State University, Library,  
"Space and environment improvements in Oregon State  
Univ. Library."

Barry Hartigan, Engineering & Physics Library,  
Univ. of Florida, Gainesville, "Univ. of Florida  
Central Science Library: the planning and process."

Charles R. Smith, Texas A & M Univ. Library, "On  
space planning for academic libraries."

Wendy Culotta, Calif. State Univ., Long Beach;

Karen Andrews, UCLA, Los Angeles, CA;  
Jay Waddell, Cal Poly, San Luis Obispo, CA:  
"Engineering librarian observer on the ABET team:  
personal experiences."  
Mary Ansari, Univ. of Nevada Library, Reno, NV.,  
"Fund raising for the Mackay School of Mines Library."  
Tom Volkening, Michigan State Univ. Library, East  
Lansing, MI, "Planning for the new engineering library  
at Michigan State Univ."  
Nester Osorio, Northern Illinois Univ. Library,  
DeKalb, IL, "Space planning in a branch library."  
Vladimir Borovonsky, Noble Sci. & Eng. Library,  
Arizona State Univ., "Noble Science and Engineering  
Library from planning to reality."  
Charlotte Erdman, Purdue Univ. Library, "Using macros  
in on-line searching: how the end-user and library  
can save time and money."

#### RENO AREA OFFERS A VARIETY OF ACTIVITIES FOR CONFERENCE ATTENDEES

Welcome to Reno, Nevada, the "biggest little city in the World." As you have probably heard, all conference events will be held at the Bally Grand Hotel (formerly the MGM Grand). I understand that every trace of the MGM lion must be eradicated from the hotel's motif, no small task as his picture permeated everything from the huge wooden carved doors to the pattern in the carpet. See if you can still find him hidden here and there as you peruse (or cruise) the pleasant huge hotel. The Bally is located very near the airport, and at some distance from DOWNTOWN. However, the Bally provides shuttle service from the hotel to the downtown area every 20 minutes. And from there you can walk almost anywhere. One of our members, Mary Ansari, has been very helpful to me personally in getting information about Reno, making suggestions and assisting me in many ways, and she and her staff at the University of Nevada, Reno, Library will be hosting our wine and cheese reception and offering a tour of the 2 engineering related libraries on the campus following the Sunday evening picnic. Be sure you sign up for the picnic and then join in kicking off our Conference program with the reception and tour.

DINING in Reno may not be as exciting as it was in Atlanta or Cincinnati. But bear in mind, you didn't come to EAT. The hotel offers a variety of places but they are mostly standard fare. The regional cuisine is Basque and I guarantee you won't go away hungry from our Division dinner on Tues. evening. The big thing in Reno is, of course, gambling. If you invest in a few chips and place a few bets, you can get free drinks. (Those free drinks can get expensive.) Sometimes the hotel offers lessons in gambling, but if they don't I will be happy to teach you the rudiments of any of the games. And of course, the shows in the evening are spectacular and ostentatious. If you haven't seen one of their extravaganzas, you really must. And of course, there are shows at all of the casinos in town as well.

Outside of the hotel:

Harrah's Automobile Collection This collection is an incredible assembly of hundreds of automobiles. Mr. Harrah collected one of every make and model, beginning with the very first ones made. Each one is in absolutely perfect condition. In fact, you can walk through the workroom where the mechanics are taking the engines apart piece by piece. The mechanics look more like surgeons, and their work space is more sterile than my kitchen! They also have their own upholstery shop, paint shop, etc. etc. I'm not crazy about cars, but this collection is something to behold. Acres and acres of mostly pre-1945 cars, unusual, and rare autos. Open every day, 9:30 - 5:30.

I have been told that the RODEO will be in town at the same time we are. I'm not sure what day it begins or when it ends, but if you've only seen bucking and roping and Brahma bull riding on TV, get your Levi's over to the rodeo (rōd-e-o, not rō-dā-o. The latter is a street in Beverly Hills!).

Virginia City About an hour (or maybe 2) south of Reno is a former silver mining town called Virginia City. If you have ever read about the old West, this place was legendary. At one time there were thousands of miners busy at work taking silver from the hills. The old town, saloon, hotel, wooden sidewalks, pharmacy, etc. are still there, as they were, for you to take a step back in American history.

Lake Tahoe Just west of Reno is one of the most beautiful lakes in the whole world. I can't begin to describe the gorgeous blue-green of the water. The lake is icy cold, deep and clear as crystal. South Lake, location of the ski resort Heavenly Valley, has a tram car to 1/2 way up the mountain, where you can view the entire lake while you enjoy a drink and dinner. The chipmunks will be happy to help with your outdoor lunch; they're out in force to stash a little food away for the winter to come. You can enjoy a variety of boating activities, learn to windsurf or ride a waterski mobile. Just around the lake is a Scandanavian home, complete with sod roof. The woman who lived there was a tad eccentric; she loved her home in Norway and could afford

to have it duplicated here, which she did. It's huge and now run by the Calif. state park department, so you can have a tour. Or, if you take a boat tour over from South Lake, they'll take you by Emerald Bay and explain how she would take a boat out to her miniature teahouse on the tiny island to have her tea on pleasant days. Driving around the lake you will think you are deep in the forest primeval. When you get to Tahoe City, you might want to stop for an inner tube ride down the Truckee River. You rent a tube, grab a few beers, and float down the river for about 2 hours. The exciting part is over the rapids, and at the end I guarantee you'll have a sunburn and pleasant memories of the scenery along the way. Then you can catch a bus ride back to your car. (In the olden days when I did it, you had to hitchhike back, and not everyone wanted a wet, sandy, sunburned tourist in the back of their car.)

My best advice is to take a few days before or after the Conference (or both) for having fun around Reno. And then, of course, you can always visit Las Vegas or Sin-City-Los Angeles.

I, for one, can't wait.

Hazel Wetts  
Program Chair

#### MULTI-USE OF PERSONAL COMPUTERS AT NOTRE DAME

The Notre Dame Engineering Library has had access to DIALOG and ERS services for over 6 years. While we started out with a small TI terminal we soon graduated to an IBM PC and a SMART modem. This also allowed us access to various local bulletin boards and services which we frequently used. The Engineering Library has also been using the PC to produce our monograph acquisitions list for distribution to our faculty. The PC is also used heavily in our Collection Development work for keeping records of our account, purchases and endowments.

In the past few years the Memorial Library received a generous grant to automate the entire library system, but because of contractual difficulties, plans were postponed and part of the funds were used to purchase personal computers for the various departmental libraries and departments. We will now be adapting the NOTIS system but since so many personal computers are available in the library system, a simultaneous effort at forming an internal electronic mail network within the library and other locations on campus, is well under way. In addition plans are underway to transfer interlibrary loan requests and book order requests to the main library. This is tied in with the recent acquisition of a facsimile machine by the Interlibrary loan department to increase the speed of this service.

The availability of software programs for our PC's to contact the University computer will also speed up our access to the NOTIS system. While the system will not go "public" for a few more months, as the Cataloging Department tests the system, the Engineering Library as well as other departmental libraries will have access to the system for emergency use through the PC.

Bob Havilk  
(219)239-6665



POSITION OPEN - SEPTEMBER 1, 1987

ENGINEERING AND PHYSICAL SCIENCES LIBRARIAN

RESPONSIBILITIES: Seek energetic, creative, flexible librarian to administer the Engineering and Physical Sciences Libraries. Additional assignments include doing collection development and online searching for the engineering programs in the Mines Library. Responsibilities include reference, online searching, collection development, support staff supervision, bibliographic and end-user instruction, and overall responsibility for managing the Physical Sciences and Engineering branch libraries. Acts as Library's liaison with the College of Engineering and departments of chemistry and physics. Reports to Head of Branch Libraries.

REQUIRED QUALIFICATIONS: ALA accredited MLS. Science/engineering background and/or experience. Public service experience in an academic/special library. Advanced computer searching skills and substantial microcomputer experience. Strong communication, interpersonal, and supervisory skills. Faculty status requires libraries to meet faculty standards for appointment, promotion, and tenure.

PREFERRED QUALIFICATIONS: Experience with bibliographic instruction, library automation and other technological innovations, and space and new facilities planning. Collection development experience in chemistry/engineering/physics. Course work in chemistry.

SALARY: Open, depending upon qualifications and experience (minimum \$27,320).

FRINGE BENEFITS: TIAA/CREF; 24 working days vacation per year; generous sick leave.

APPLICATIONS: Please send letter of application, resume and names and addresses of three references on or before July 15, 1987 to:

Ruth H. Donovan  
Associate Director of Libraries  
University of Nevada-Reno  
Reno, Nevada 89557-0044

It's A Boy!

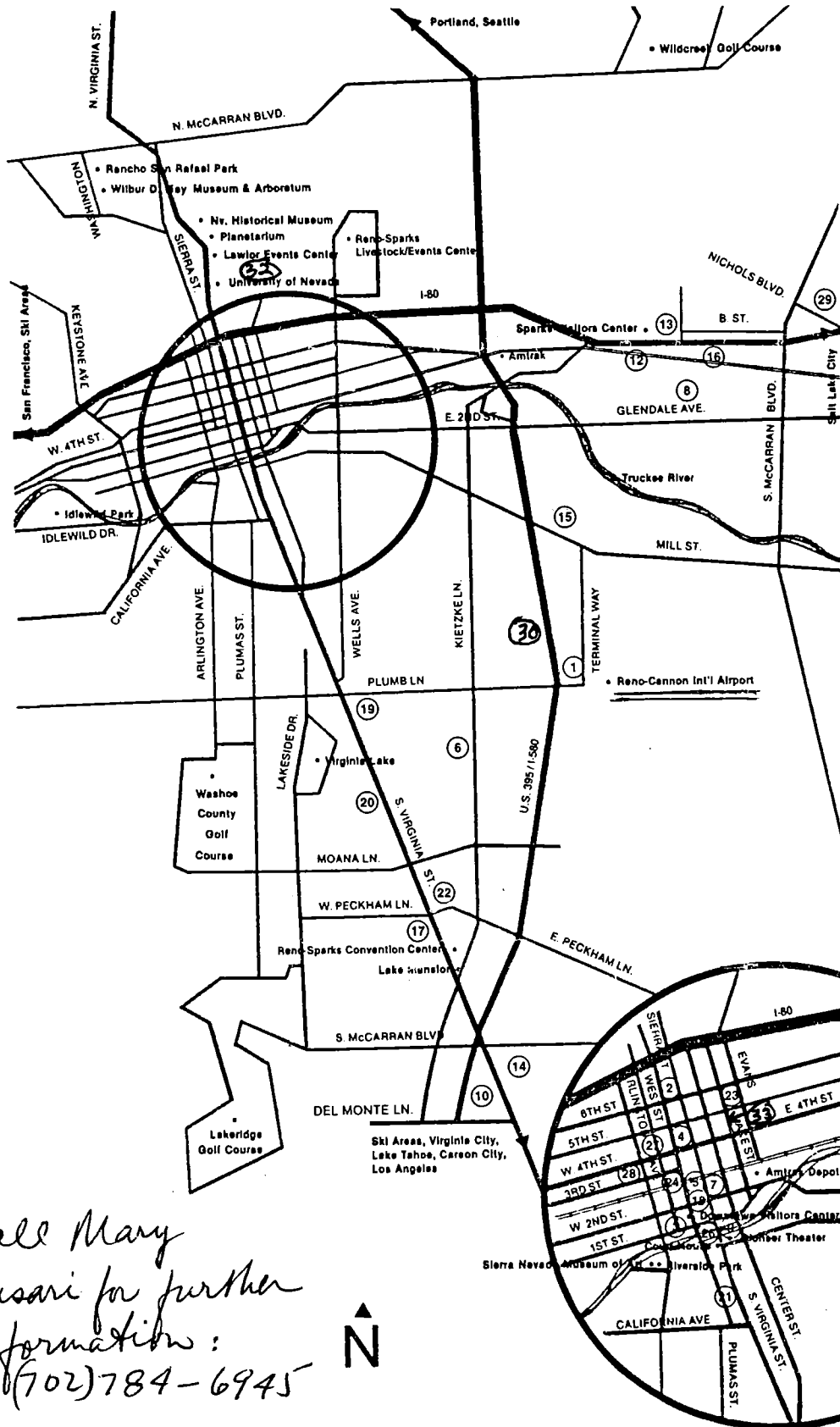
Karen Andrews has announced the birth of a son, John, born February 14, 1987. Maintaining tradition, she writes that she expects to bring him to the conference in Reno. Let's see, that means we should meet the third addition to the family at the 1989 conference!

The town is going to be very full because the ASEE meeting coincides with the 50th anniversary of Reno Rodeo Week, so make your reservations immediately.

# RENO

the biggest little city in the world

MORE (Cheaper?)  
HOTEL  
CHOICES:



### Area Code 702

1. Airport Plaza 348-6370
2. Circus/Circus 329-0711\*
3. Comstock Hotel 329-1880
4. Eldorado 786-5700\*\*
5. Fitzgeralds 785-3900
6. Franktown Corners
7. Harrah's 329-4422
8. William F. Harrah Automobile Museum
9. Holiday Hotel 329-0411
10. Holiday Inn Convention Center
11. Holiday Inn Downtown 786-5151
12. John Ascuaga's Nugget 356-3300
13. Karl's Silver Club
14. Meadowood Mall
15. Bally's Grand 800/648-5080
16. Nendel's Inn
17. Old Town Mall
18. Onslow Hotel 786-7310
19. Park Lane Mall
20. Peppermill 826-2121
21. Pioneer Hotel 329-9791
22. Travelodge Convention Center 329-3451
23. Ramada Inn 788-2000
24. Reno Hilton 785-7000
25. Reno RV Park
26. Riverside Hotel 786-4400
27. Sundowner Hotel 786-7050
28. The Sands Regent 348-2200
29. Western Village
30. La Quinta 800/531-5900
31. Reno-Sparks Convention Authority Room Reservations and Information 800/FOR-RENO
32. Engineering Library (Mary Ansari/Lois Smyres) 784-6945
33. Louis' Basque Corner

Call Mary Ansari for further information:  
(702) 784-6945



NOT TO SCALE

Courtesy of the Reno-Sparks Convention & Visitors Authority

\* Circus/Circus is reputed to have very reasonable room rates.  
\*\* The downtown shuttle from Bally's leaves the Eldorado every half hour.