From the Chair, Allison Level

I have enjoyed a memorable year as Chair of STS. The Section's officers, council members, and committee members have worked hard on activities and programs that make a difference to the 1900 STS members. Thank you to everyone for your ongoing work on behalf of the Section.

The 1998 Conference Program Committee Chairs, Linda Phillips and Lois Pausch, are leading the way for an exciting program co-sponsored with the University Libraries Section. They have done a great job, and I heartily thank them. The STS/ULS program, "Engineering the Future: A New Look at Organizational Thinking and Hyper-Learning," will take place on Saturday, June 27th from 2-4 p.m. This year we will also try something new and link the General Discussion Group topic to the annual program theme. Discussion Group Co-Chairs Patricia Kreitz and Jill Newby, along with invited speakers, will continue the organizational thinking and learning theme during the Monday morning discussion group.

The National Aquarium with 80 tanks and 1200 creatures from around the world will be the site for the STS Reception. Located just off the Mall on 14th Street, the Aquarium is close to Smithsonian Museums and ALA Hotels. Please join us "down under" in the basement of the Commerce Building, for food, drink, and conversation with STS members and STS conference sponsors. The reception will be Sunday, June 28 from 6-8 p.m.

This year we have generous support for the reception from the following publishers and vendors. At the time this newsletter went to press, pledges of support for the STS reception and conference program have been received from:

Chemical Abstracts Services
Elsevier Science
Institute of Physics Publishing
Institute for Scientific Information
Martinus Nijhoff
Springer-Verlag
Yankee Book Peddler

Thank you to all the sponsors for your support of STS!

I would also like to thank the entire Conference Program Planning Committee for their good ideas and hard work on the 1998 STS program and reception. Committee members are: Daria Carle, Mary Jane Cavallo, Laura Galvan-Estrada, Kebede Gessesse, Barry Hartigan, Donna Hudson, and Amy Prendergast. For more information about the STS conference schedule, program, or reception visit the STS homepage: http://aztec.lib.utk.edu/sts/

Please join us in Washington, DC for the upcoming conference program, discussion groups, and reception. It has been a pleasure serving as STS Chair this year.

Allison Level
Science & Technology Division
Library of Congress
Washington, DC 20540-4750
alev@loc.gov

From the Vice Chair/Chair Elect, Billie Reinhart

We had an excellent Midwinter meeting in wonderful New Orleans. The brainstorming session at Council 1 led by Allison Level provided thought for new and innovative projects and meetings. It served as a base for reviewing the Section's work and analyzing our organization to determine what changes need to be made and what new projects should be explored. We regret that several of our discussion group rooms were overcrowded. We have asked for larger rooms, but still manage to have facilities for standing room only at a few discussion groups each year.

We have a lot of work to do in the next few years, including updating our Manual found on our WEB site. If you have not explored our site (http://aztec.lib.utk.edu/sts/), please do so. It is a good way to discover how STS is organized, learn about conference events, and find links to our electronic publications.

I would like to thank everyone who volunteered for committees. By the time this issue is published most of the committee assignments will have been made. If you sent a form to me and have not heard, please email me at b.reinhart@csuohio.edu. I am sure I have received all the email requests, but paper mail sometimes does not make its destination. I may be able to assign a few more interns to committees or I will give the information to the next Vice Chair/Chair Elect. New committee appointments begin at the close of the Annual Conference in Washington in June 1998. However, the exception, the 1999 Program Committee whose tenure began at Midwinter, is already hard at work planning the 1999 Program for New Orleans under the leadership of the Co-Chairs, Laura Greene and Dawn Talbot.

I am looking forward to meeting many of our new members and committee appointees in Washington in June.

Billie Reinhart
University Library RT 110C
Cleveland State University
Cleveland, OH 44115
b.reinhart@csuohio.edu

1998 STS Officer Candidates

Vice Chair/Chair Elect:
Patricia A. Kreitz
George Porter

Secretary/Member-at-Large
Norma Kobzina
Edward Gonzalez

STS General Discussion Group

Digital Dissertations was the topic at the STS General Discussion group's Midwinter meeting. The two presenters were Gail McMillan, Director of the Scholarly Communication Project, University Libraries at Virginia Tech and Jeff Moyer from University Microfilms, Inc (UMI).

Gail McMillan discussed the electronic theses and dissertations project (ETD) at Virginia Tech. This project, begun four years ago, requires graduate students to submit theses and dissertations to the library in a Portable Document Format (PDF) rather than in print. As of January 8, 1998, 650 electronic theses and dissertations had been submitted: 354 with unrestricted access, 166 access limited to the Virginia Tech community, and 130 without electronic access.

About 75% of the students have given permission to display their theses or dissertations on the Internet. Both faculty and students are expressing concern about copyright and possible complications with publishing their thesis or dissertation in other forms in the future. Students have the option of restricting the display of their thesis or dissertation to the Virginia Tech community. More information is available at http://scholar.lib.vt.edu/theses.

Jeff Moyer presented information about UMI's Digital Library Program outlining the issues that need to be addressed by institutions considering undertaking the development of their own digital dissertation project. Phase I of UMI's project is to scan dissertations and convert them to PDF files. Phase II will be to include searchable texts and images. Phase III will convert dissertations and theses into Standard Generalized Markup Language (SGML).

Currently, graduate students may submit documents in digital or paper format. An author may request restrictions to the online access of their dissertation. The dissertation author retains copyright and receives royalties from UMI sales. Submitting institutions have free online access to the dissertations and theses from their students. Some of the issues with digital dissertations are: coordinating activities among academic departments, determining acceptable digital formats, problematic printing or emailing of large PDF files, internal (local) security, document maintenance, and external access and control.

Information Supplied by Jill Newby

Heads of Science & Technology Libraries Discussion Group

The Heads of Science & Technology Libraries Discussion Group had a very lively time in New Orleans. After a six course Louisiana dinner at Tujaques in the French Quarter and a brisk walk back to the Hilton for the meeting, we discussed licensing of electronic publications. Forty people attended, and we had presentations by Susan Barclay, Project Manager for the American Chemical Society's Electronic Projects, and Ann Okerson, Associate University Librarian at Yale, followed by a very spirited discussion.

Barclay stated that ACS is committed to listening to its customers, and that they haven't had any complaints about the products themselves. She announced a new journal pricing plan, Option B, which was developed as a result of complaints that earlier pricing plans were prohibitively expensive. Information may be found at:
http://pubs.acs.org/journals/price98/planb_explain.html .

ACS feels that its e-journal licenses have a wide degree of flexibility, such as the ability to choose titles, rather than having to purchase a package; articles available as soon as publishable, which can be as much as 2-11 weeks before they appear in print; and that both Class C subnet and site licenses are available. She also discussed new challenges, such as how to handle proxy servers; concurrent users; design issues; sales of individual articles; cookies; consortia; archiving; and aggregators.

Okerson observed that licenses are only partly concerned by copyright and that they have more to do with rules of use and relationships between users and producers. Licenses may have provisions negating copyright. The burgeoning numbers of licenses cause many problems: the scalability issue; the need to define users and uses; clarification of the roles of consortia, subscription agents and aggregators; archiving and the need for perpetual access; and pricing models.

Licenses are labor-intensive, so scalability is a problem. How do we handle the surge of licenses produced as more and more products go electronic? Do subscription agents really negotiate the best deal, or can we do better on our own? Consortia can solve some problems, but some institutions jump from one consortium to another in order to get the best deal. With aggregators what will we do with package items that we don't want?

Some observations from the general discussion:

-Licensing won't go away, although the need for definitions will change.

-Although licenses have traditionally been negotiated by both parties, there seems to be an increase in the "click" type which leave no room for negotiation.

-Concern was raised regarding licenses based on a terminal-by-terminal basis. Publishers want to maintain a viable subscription base and so are trying different pricing and use models to accommodate different types of users.

-Many protested licenses which permit institutional subscribers to get a publication in print but not in electronic form, especially when the print indicates that additional data is present in the electronic version.

-ACS isn't in a position to deal with perpetual access yet. The question was broadened to other publishers in the audience. Someone from IEEE said that they would negotiate virtually any feature in their licenses.

-Does any money generated by ACS publications go to support member services? No, and no membership money goes to support publications. A very small amount of publications' money may be used to promote the chemical sciences.

-Nondisclosure statements in licenses were greatly resented by the audience. Examples were given of the ambiguity of nondisclosure; who has the need to know and who doesn't can vary considerably and must be negotiated.

-Regarding the Dutch statement on electronic licensing: the statement begins with print and seemed uneven in places. It also has a level of specificity which is well-intentioned but is probably undoable.

-All Science Librarians should take responsibility for becoming knowledgeable about licensing and engage in reviewing them with colleagues and learning the nuances and style of them. It is part of the selection process of many titles and information products.

The meeting ended with suggestions for future meetings:

-More on licensing; perhaps with commercial publishers.

-Concept of remote users who seem to be harmed by site licenses; how distance learning conflicts with licensing.

-Move toward consensus on our part regarding what we want to see in products and under what conditions we're willing to accept the products.

-There is currently no standard generic contract. Maybe some suggestions regarding the development of a model contract for electronic products.

-The importance of first sale and its impact on electronic products.

-What new technology do we need to provide? Hardware, software, etc. Digital object identifiers.

Two additional suggestions have been made since the meeting:

-New library construction and its impact on sci/tech collections and services. (Lynn Sutton at Wayne State for example)

-How sci/tech libraries are confronting space issues: annexing, compact shelving, etc.

Anyone having any comments on these ideas or other suggestions, please contact Nan Butkovich (njb2@psu.edu or njb@psulias.psu.edu), Julia Gelfand (jgelfand@uci.edu), or Bart Lessin (aa3327@wayne.edu).

Information Supplied by Nan Butkovich

TENTATIVE ANNUAL MEETING SCHEDULE
Association of College and Research Libraries
Science and Technology Section
Annual Conference 1998; Washington, DC

DAY/DATE/TIME	COMMITTEE
Friday June 26	
4:30-5:30 p.m.	STS New Member Orientation
	(Sponsored by STS Membership & Recruitment)
7:30-9:30 p.m.	STS Council I (8-10 p.m. in program)
9:30-10:00 p.m.	STS Executive Board
Saturday June 27	
8:30-11:00 a.m.	1998 Program Planning Committee-DC
8:30 a.m.-12:30 p.m.	Comparison of Sci/Tech Libraries Committee
9:30-11:00 a.m.	Publisher/Vendor Discussion Group
9:30 a.m.-12:30 p.m.	1999 Program Planning Committee-New Orleans, LA
9:30 a.m.-12:30 p.m.	Continuing Education Committee
11:30 a.m.-12:30 p.m.	CONSOLIDATED MEETING
	Membership & Recruitment Committee
	Publications Committee
11:30 a.m.-12:30 p.m.	Oberly Award Committee
2:00-4:00 p.m.	**ULS-STS Joint Program**
	"Engineering the Future: A New Look at Organizational Thinking and HyperLearning"
Sunday June 28	
8:30-11:00 a.m.	Nominating Committee (closed)
8:30-11:00 a.m.	Government Information Committee
9:30-11:00 a.m.	Science Databases Discussion Group
11:30 a.m.-12:30 p.m.	College Science Librarians Discussion Group
2:00-4:00 p.m.	Forum on Science & Technology Library Research
6:00-8:00 p.m.	Heads of Science & Technology Libraries Dinner
	(Location TBA)
6:00-8:00 p.m.	STS Reception, STS members only
	National Aquarium
	US Department of Commerce
	14th St. & Constitution Ave. NW
8:00-10:00 p.m.	Heads of Science & Technology Libraries
	Discussion Group
Monday June 29	
8:30-11:00 a.m.	Organization & Planning Committee
8:30-11:00 a.m.	Subject & Bibliographic Access Committee
8:30-11:00 a.m.	Forum on Science & Technology Library Research
	Committee Wrap-Up (closed)
9:30-11:00 a.m.	General Discussion Group
7:30-9:30 p.m.	STS Council II (8-10:00 p.m. in program)

****Time in parentheses is for official listing in ALA Schedule, if different from actual time.****

Publisher/Vendor Relations Discussion Group

Dominic Farace, of the TransAtlantic/GreyNet, Grey Literature Network Service, addressed the discussion group. His topic was the future role of grey literature.

Mr. Farace defined grey literature as "that which is produced on all levels of government, academics, business, and industry in print and electronic formats, but which is not controlled by commercial publishers".

The growth of the Internet has created new possibilities for publishing and distributing grey literature and new ways to make this current information easily available to the general public.

Information Supplied by Susan Starr

Science and Technology Databases Discussion

Over seventy people crowded into the Doubletree Hotel's Rosedown A on Sunday, January 11, to participate in the Science and Technology Databases Discussion Group. The discussion was entitled "Wired Research: The Accessibility of Electronic Journal in Science and Technology." Linda Sacks (Elsevier) and Barbara Lange (IEEE) gave brief presentations which were followed by an open discussion.

Linda Sacks discussed the Science Direct Project. It is an extension of the Adonis and TULIP projects, and will provide full-text electronic access to about 1,000 of Elsevier's journals. Articles from these journals will be available in SGML and PDF formats. Barbara Lange discussed the IEEE/IEE Electronic Library (IEL) which makes IEEE and IEE publications (journal articles, conference proceedings, and standards) available in electronic format. A portion of the INSPEC database is used for searching the articles. At the present the IEL is only available as a CD-ROM product, but plans for a web version are being pursued.

Information Supplied by William Baer

Comparison of Science & Technology Libraries Committee

The Comparison of Science and Technology Libraries Committee met to finalize the questions and format of the 5th Survey (1998).

The list of ARL Science & Technology Libraries assigned to each committee member was discussed. It was decided to give survey recipients one month to complete their survey. The surveys will be mailed out in March 1998 and collected one month later (or as close

as possible to that target date) and the committee will begin to collate the data for analysis and discussion at the 1998 annual meeting.

Submitted by Judith R. J. Johnson

Membership and Recruitment Committee

The committee decided upon a Friday, late afternoon/early evening reception for new members. Hopefully, new members may be identified through the advance registration list so that we may send a postcard invitation to them. We will contact ACRL for assistance and also post the reception on STS-L.

Amy Huff showed us the revised membership brochure. We provided feedback.

Information Supplied by Carol Robinson

Nominating Committee

We have once again a great slate of candidates for STS officers, and I thank each one of them for accepting nomination. ALA ballots should be in the hands of members by the time this newsletter is distributed.

Support the section and ACRL by voting! Participation in the elections is one indication of the vitality of an ALA unit, and is also an expression of confidence in the candidates (and thanks for their willingness to serve).

More information about each candidate is printed with the ballot.

Information Supplied by Alison Ricker

Oberly Award for Bibliography in Agriculture Committee

The Oberly Award Committee is getting organized for the next award presentation, which will be in 1999. The committee is discussing changes to the judging criteria to accommodate consideration of bibliographies in electronic format in addition to traditional nominees. We are also discussing the development of a database to keep track of the publishers to whom we send publicity. The next call for nominees will go out after the 1998 Annual Meeting.

Information Supplied by Amy W. Shannon

Organization and Planning Committee

The Organization and Planning Committee [O&P] reviewed organizational charge changes submitted by the STS Publications Committee and the STS General Discussion Group. O&P continued to address strategic planning, vision, and mission development within STS.

STS will celebrate its 40th Anniversary at the 2001 conference in San Francisco. O&P will be accessing STS archives and communicating ideas to the Executive Committee.

Funding was received to update the STS Section Manual. First, the electronic version will be updated to include the most recent revisions. STS Council members will be asked to provide suggestions to O&P about other changes to the manual and asked to assess if they will continue to need a paper copy of the manual.

Information Supplied by C. Ruth Nellis

Publications Committee

The Publications Committee discussed four issues. We approved a new committee charge that was later presented to Council. We decided to keep the listserv, STS-L, at University of Tennessee at Knoxville (UTK) and to ensure that at least one of the moderators of the listserv worked at UTK.

We discussed changes to the Web Page, including a proposal to digitize recordings of discussion group sessions. Finally, we discussed and approved job descriptions for STS Signal Editors, STS Web Editors, Issues in Science and Technology Librarianship Editors, and STS-L Moderators. The job descriptions will be posted to the Publications Committee section of the STS Web Page.

Information Supplied by Janet Hughes

Subject and Bibliographic Access Committee

The Subject and Bibliographic Access Committee continued to focus on issues related to electronic journals. The committee helped organize the Science and Technology Databases Discussion Group's presentation on electronic journals. The committee agreed to write an annotated bibliography for ISTL.

The bibliography will contain a brief list of articles related to electronic journals. Marian Abouseif and Mary Page agreed to coordinate efforts on the bibliography. The bibliography will be limited to a few good articles on several aspects of electronic journals. Elizabeth Brown will contact ISTL.

Submitted by William Baer

Forum for Science and Technology Library Research Committee

The committee met to select three abstracts for presentation at Annual Conference from the nine completed abstracts submitted. Based on the criteria of timeliness, scholarship, and relevance to science and technology librarianship, the abstracts selected include:

1. "Stretching the Dollars for Library Materials in Science and Technology in Illinois," by Virginia Baldwin, Associate Professor, Booth Library, Eastern Illinois University.
2. "An Investigation of the Efficacy of Intelligent Agents in Collection Development," by Jennifer Weintraub, Collection Development Librarian, Mann Library, Cornell University.
3. "The Work Demands and Information Seeking Behavior of Ph.D Physics Students: A Comparison Across Roles," by Kevin McDonough, Reference and Research Support Librarian, Northern Michigan University.

In the event that someone is not able to accept the invitation, a back-up abstract was selected: "Improved Current Awareness Searches for Scientists and Engineers: In-House Enhancements at Argonne National Laboratory," by Robert E. Noel, Technical Librarian, Argonne National Laboratory.

We believe that the work of the Forum serves the strategic plan of ACRL, especially strategic directive number 1, "provide development opportunities for academic and research librarians and other library personnel that enhance their ability to deliver superior services and resources." To further enhance our activities, we discussed inviting a representative from the ALA Research Task Force to attend the research forum. We also plan to invite an editor of an academic library journal to help facilitate a mentoring role.

For the other strong and well-written abstracts not selected, we plan to encourage the researchers to submit their proposals for ALA poster sessions. Finally, we plan to present STS certificates of peer-reviewed recognition to those who present research at Annual Conference.

The rest of the agenda centered around the logistical details of the Forum, such as evaluation form, need for good location, marketing, and publicity.

Information Supplied by Tamera Lee

1999 Conference Program Planning Committee

The STS Conference Program Planning Committee met for the first time at Midwinter to organize the Section's Annual Conference program, to be held in New Orleans in Summer 1999. After introductions and announcements, the Committee members reviewed past program topics and formats, and brainstormed on ideas for a timely program. The Committee was keen to find a topic that is primarily of interest to STS members but would also appeal to a broad spectrum of ALA members.

After an lively discussion three topics emerged as possible programs. The Committee discussed the pros and cons of each topic and developed a ranked list in priority order. All topics were presented to STS Council II with the Committee's preference noted. Council was in agreement with the Committee's recommendation, and a loose working title was determined to be: "Changing Expectations for Today's Sci-Tech Librarians."

This program could include such issues as: whether we are becoming webmasters first and librarians second; the new requirements appearing in job postings such as HTML and Java experience; changing needs in instruction for web-based formats; the difficulties inherent in managing programmers; and all within the current downsized-staffing scenarios.

While the topic is still vague at this point, the Committee will be working via e-mail to flesh out the idea before the May 31st deadline for submission of the program proposal to ACRL.

The Conference Program Planning Committee is also responsible for the 1999 STS reception. Possible locations for the reception, such as the Historic New Orleans Collection building, the Botanical Gardens, the Aquarium, the Pharmacy Museum, the Jax Brewery, and other places were discussed. STS Council expressed their interest in the Pharmacy Museum even though STS has used this site before. Maintaining a science theme for the reception location is considered important by Council. Potential locations will be investigated by our local arrangements committee members for viability.

Information Supplied by Laura Greene and Dawn Talbot

STS Reception

Come on down and "sea"
your STS friends and colleagues

The 1998 STS reception will be held at the National Aquarium, located in the basement of the U.S. Department of Commerce Building at 14th Street and Constitution Avenue. In the heart of downtown, this location site features 80 tanks ranging in size from 50 to 6000 gallons and 1200 creatures from around the world including turtles, alligators, and clownfish. We will steer clear of the fish still swimming, but instead have food, drink, and fellowship for STS members and conference program sponsors.

**Join us for a lively evening
Sunday, June 28 from 6-8 p.m.**

New to STS?

Attending your first ALA conference?

Confused about STS programs at ALA?

Not sure which committees are doing what?

**Want to meet some
other Sci-Tech librarians?**

**Membership & Recruitment Committee
is hosting a
'Welcome to ALA' get together
in Washington DC
just to help YOU!**

**Friday June 26
4:30-5:30pm**

Room location will be available on the STS website as soon as it is available, and it will also be announced on STS-L. Or, check the ALA program (where it will be listed as STS New Member Orientation).

1998 Annual STS Program

ENGINEERING THE FUTURE: A NEW LOOK AT ORGANIZATIONAL THINKING AND HYPER-LEARNING

The ACRL Science and Technology Section (STS) and University Library Section (ULS) are co-sponsoring the 1998 program on Saturday, June 27 from 2:00-4:00 p.m. For organizations to survive, they must adopt a new set of values—constant learning, self-organization, systems thinking, and attraction to order. These new organizations will allow workers to express their creativity and their desire for quality and learning.

The program will feature an introduction to new organizational theories by Paula Kaufman, Dean of Libraries at the University of Tennessee. Peter Denning, Director of the Center for the New Engineer (CNE) at George Mason University will discuss the interdisciplinary nature and strategic vision of the CNE. The Center exemplifies a program that seeks to put some of the vision and values of new organizational theorists into practice through an innovative science curriculum. Reactors Kenneth Frazier, Director of the University of Wisconsin Libraries and Paula Kaufman will discuss the CNE approach from their perspectives as library leaders.

Information Supplied by Linda L. Phillips

STS Electronic Communications Update

STS-L Listserv

STS-L is a moderated discussion group, open to all interested persons, and is sponsored by the Science & Technology Section of the Association of College and Research Libraries.

To Join STS-L, send the following message to LISTSERV@UTKVM1.UTK.EDU
Do not include a period after EDU.

The SUBJECT line should be left blank; if your e-mail software does not allow to leave this line blank, try typing only a period (.) on the SUBJECT line.

SUBSCRIBE STS-L First Name Last Name

Moderators: Marty Courtois and Terry Wittig

Issues in Science and Technology Librarianship (ISTL)

URL: http://www.library.ucsb.edu/istl/
Editor: Andrea Duda

STS Web Page
URL:
http://aztec.lib.utk.edu/sts/
(**NOTE NEW ADDRESS**)

Webmasters: David Atkins & Janet Hughes

STS Signal on the Web
Available in portable document format (pdf)
URL:
http://aztec.lib.utk.edu/sts/pubs/sts_signal.html

Editors: Edward F. Lener & Heather K. Moberly

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