

From the Chair, Billie Reinhart

At the ALA Midwinter Meeting in Philadelphia much business was transacted by the committees, the Council, and the Executive Board. We had two Council Meetings and needed all the time and more to discuss the many projects the Section is involved with this year. As usual, the discussion groups were well planned, the topics of the discussions of great relevance, and well attended. Summaries are in this issue.

It had been many years since STS sponsored a panel at the ACRL National Convention and this year we sponsored two. "The Web as a Teaching Tool to Develop Information Literacy" was planned by Alison Ricker from Oberlin and moderated by Allison Level from Southwest Missouri State University. The speakers were Hugh Blackwell from Washington and Lee, Julia Ann Kelly from the University of Minnesota, and Allison Ricker from Oberlin College. The second panel, "The Bleeding Edge of Access to Full-Text Electronic Information: Three Case Studies" was planned and moderated by me and the featured speakers were David Atkins and Flora Shrode from the University of Tennessee at Knoxville, Thomas Dowling from OhioLink, and Patricia Kreitz from the Stanford Linear Accelerator Center. All speakers and moderators are STS members and many have served on the Council or as officers of the Section.

The 1999 Program Planning Committee CoChairs, Dawn Talbot and Lea Wade, have completed plans for the STS Annual Conference Program, "The Future is Here: Changing Realities for Sci-Tech Librarians." The speakers include Dr. Jerry Campbell from the University of California, Doug Jones from the University of Arizona, and Gail Clement from Florida International University. This should be a great program on Monday morning beginning at 8:30 am. The reception will be at the Children's Museum on Sunday from 6:00 - 8:00 pm. Why the Children's Museum? It is centrally located and we should all have fun playing with the many scientific exhibits.

Pledges of support for the STS activities at the 1999 ALA Annual Conference have been received from:

Cambridge Scientific
Elsevier Science
Institute for Scientific Information
Martinus Nijhoff International
Springer Verlag
Yankee Book Peddler

I hope to see many of you in New Orleans!!

*Billie Reinhart, Chair
Science and Engineering Librarian
University Library RT 110C
Cleveland State University
Cleveland OH 44115
b.reinhart@csuohio.edu*

STS SIGNAL is a semi-annual publication of the Science and Technology Section of the Association of College & Research Libraries, a division of the American Library Association, 50 East Huron St., Chicago, IL 60611; 800-545-2433 ext. 2517. It is designed as a communication vehicle to the members of the Section and other interested parties. Electronic transmission of materials is preferable, and instructions for transmission are available on request. Inquiries should be made to either of the Co-Editors: Heather K. Moberly, E205 Pattee Library, The Pennsylvania State University, University Park, PA 16802-1801, Phone: (814) 865-3703, Fax: (814) 863-4988, E-mail: hkm@psulias.psu.edu; Edward F. Lener, User Services, University Libraries, Virginia Tech, Blacksburg, VA 24062, Phone: (540) 231-9249, Fax: (540) 231-9263, E-mail: lener@vt.edu.

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STS Signal is made available to all section members at no additional charge. Additionally, it is available at the STS Web site at <http://aztec.lib.utk.edu/sts/>.

From the Vice Chair/Chair Elect, Patricia Kreitz

I would like to thank everyone who volunteered for an STS committee or discussion group. Although by the time this Signal reaches you, the committee appointments have been made, there might still be opportunities to appoint interns or to be involved in a special project. If you are interested, please send me e-mail. If I can not find a good fit, I will pass on your name and interests to the incoming Vice Chair who will be making appointments for the following year.

The Year2000 Program Committee, co-chaired by Jill Newby and Michelle Clairmont, has begun to plan a dynamite program. The tentative title is: "Transforming the Future: Visions for Science and Technology Librarianship". The program will look at transformations in scientific research communication systems and speculate on new roles for science librarians in these emerging structures. If you know of scientists or librarians who might be good speakers on these topics, please e-mail your suggestions to: Jill Newby: newby@WEBER.EDU, or Michelle Clairmont, mclairmo@bird.library.arizona.edu.

In my Fall Signal column, I asked for STS members to send me ideas for Section improvements and what we should be doing in the future. If you have any ideas, suggestions, or problems, please don't hesitate to send me an e-mail at: pkreitz@slac.stanford.edu.

Pat Kreitz
SLAC Library, MS82
P.O. Box 4349
Stanford, CA 94309
(650)926-4385
pkreitz@slac.stanford.edu

1999 STS Officer Candidates

Vice Chair/Chair Elect:

Julia Gelfand, Applied Sciences Librarian
University of California-Irvine

Julie Hurd, Sciences Librarian
University of Illinois at Chicago

Secretary/Member-at-Large

Kathleen "Pix" Fleming, Reference Coordinator
Wayne State University

Amy Shannon, Head, Life and Health and Physical
Sciences Libraries, University of Nevada, Reno

STS General Discussion Group

Instruction in Science and Technology Libraries:
Web Instruction and Faculty Collaborations

This general discussion session featured four projects. However, there were many other innovative and possibly adaptable projects that were submitted in response to the call for speakers for this discussion session. Visit the STS General Discussion Group Web page at: <http://aztec.lib.utk.edu/sts/discussions/general/mid99.html> to find links to additional Web guides and tutorials, examples of faculty collaboration, and relevant articles.

"Collaborating with Faculty in a Human Genetics Class" Speakers: Marty Courtois, George Washington University & Flora Shrode, University of Tennessee

The project at University of Tennessee (UT) incorporated bioinformatics into a Human Genetics class. The speakers first explained the forces that are motivating both faculty and librarians to engage in collaborative teaching. These forces include: rapid advancements in knowledge within a field; growth of new scientific fields and blending of boundaries between fields; rapid changes in the available technology, including the Web

The speakers then described some 'lessons learned' from the "U-Wired" Program at George Washington University (GWU) whose goal is to closely integrate content with electronic resources that could help course learning and would connect to specific course content. In the U-Wired Program the librarian was seen as a co-teacher of courses and the courses were taught in 'co-laboratories' where students could work and learn online. They felt the lecture/demo model was still useful, particularly to work with resources constrained by network, licensing or other access problems. Co-teaching in these courses involved librarians in design of course content and immersed students in the information resources.

Tips for initiating collaborative teaching included:

1. Identify a cooperative faculty member, one who is interested in the Library and who attracts good students.
2. Expand current liaison activities. Sharing new information resources with faculty, for example, gives the librarian an opening to discuss how to integrate these resources into the courses.
3. The librarian underlying principles, concepts and terms of the field. It not only improves public service but brings more credibility.

All this effort may seem labor-intensive at first, admitted Flora Shrode, describing her experience co-teaching a Human Genetics class at UT. She estimated that the time commitment falls somewhere between the traditional one-class lecture and the very immersed U-Wired experience at GWU. The increasing amount of Web access to scientific information, such as the Human Genome

Project, creates new challenges since information is often located at multiple sites. While many collaborating sites look very similar and have similar search systems, they often have significantly different content.

"Developing Web Tutorials for Agriculture and the Life Sciences" Speakers: Janet Hughes and Helen Smith, Pennsylvania State University

<http://www.libraries.psu.edu/crsweb/lifesci/lifepage.htm>

The two speakers demonstrated their successes in building Web-based guides to the specialized literature of these fields and in transforming their paper-based course handouts to the Web. In choosing their approach, they had to take into account the lack of support staff to help design, install or maintain Web pages, and in some fields, the lack of subject specialists to help them choose the page contents.

Their approach was to make templates for subject-focused finding aids and for their general research handouts and guides. The first templates took many hours but, once made, were relatively easy to adapt to new subject areas and to other paper-based research handouts. They included not just online resources, but also traditional reference tools.

They originally produced these for librarians teaching classes but discovered they did double-duty as librarians began to use them with faculty and at the reference desk. Some of their tips included:

1. Don't feel the pages had to be perfect, complete, or comprehensive when they first are installed on the Web. Realize pages can be changed and updated.
2. Ensure the pages have the same 'look and feel' and always put the URL on each page.
3. Don't try to cover all of a field but break down the pages into sub-fields, for example, don't try to do all of agriculture, but to create a useful page for forestry.
4. Keep the contents fairly low-tech and avoid glitz so it loads quickly.
5. Don't make your page rigid or rely on a fixed screen size.
6. Give as many navigational options as possible and make navigation visually obvious.
7. Think about putting counters on each page so you have a sense of which pages to spend your time on.
8. Always have an 'ask a question' link on each page as well as a 'comments' link.

"Collaborating with Faculty in Developing an Electronic Syllabus for an Evolutionary Biology Class" Speaker: Carole Ann Fabian, University of Buffalo

<http://www.ublib.buffalo.edu/libraries/projects/evolution>

This comprehensive, visually appealing, and complex Website was built with a \$5,000 grant as an online tutorial resource for an entry level course with an enrollment of 400 students. The project was organized around the

course syllabus and included digitized versions of all text and course materials including slides, video lectures, readings, laboratory quizzes and tutorials. It also included links to online resources and internet guides.

The design process was iterative and lengthy. The primary group of designers were librarians and course faculty but sometimes subject specialists, teaching assistants, or library technology support staff were included in the design effort or in actual content creation. The librarians involved in the project made it clear to faculty that this level of effort was unusual and done to create a 'demonstration' project. Their intention now is to teach other faculty to do this on their own.

The librarians did assessments of the parts of the Website as part of the course evaluation and kept statistics of online Web page hits. Both these gave them lots of direction for future development and for making parts of the site more efficient.

"Library Support for Student Poster Projects in Physiology" Speaker: Fred Stoss, University of Buffalo

<http://ublib.buffalo.edu/libraries/projects/cases/posters.html>

At the University of Buffalo, science students are required to do a project analyzing some area of published research. Part of the project includes condensing the research and presenting it to the class. The purpose of this project is to build an understanding of how a scientific discipline works. The student must prepare a concise and logical poster presentation of the scientific findings of the research they have analyzed.

Fred Stoss participates in this course project through a basic bibliographic instruction lecture, then individual meetings with smaller groups to help them with in depth planning. Students are to find original research contained in older printed materials as well as online resources. An additional part of the assistance included creating a Website "Introduction to the Biological Literature and Information Resources in the Science and Engineering Library".

The second part of the Website teaches students how to design and produce a scientific poster. The site includes links to a variety of science Websites that have advice on making presentations.

Information Supplied by Patricia Kreitz

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 25	
7:30-9:30 p.m.	STS Council I (8-10 p.m. in program)
9:30-10:30 p.m.	STS Executive Board
Saturday June 26	
8:00-9:00 am	New Member Orientation
8:30-11:00 a.m.	Comparison of Sci/Tech Libraries Committee
8:30-11:00 a.m.	Subject and Bibliographic Access Committee
8:30 a.m.-12:30 p.m.	1999 Program Planning Committee - New Orleans
9:30 a.m.-12:30 p.m.	2000 Program Planning Committee - Chicago
9:30-11:00 a.m.	Publisher/Vendor Discussion Group
11:30 a.m.-12:30 p.m.	Science and Technology Databases Discussion Group
11:30 a.m.-12:30 p.m.	Oberly Award Committee (Closed Meeting)
Sunday June 27	
8:30-11:00 a.m.	Nominating Committee (closed)
8:30-11:00 a.m.	Government Information Committee
9:30-11:00 a.m.	General Discussion Group
9:30-11:00 a.m.	Heads of Science Libraries Discussion Group
9:30-11:00 a.m.	Continuing Education committee
11:30 a.m.-12:30 p.m.	College Science Librarians Discussion Group
11:30-12:30 p.m.	Consolidated Meeting Publications Committee Membership & Recruitment Committee
2:00-4:00 p.m.	Forum on Science & Technology Library Research
4:00-5:30	Forum Wrap-Up
6:00-8:00 p.m.	STS Reception, STS members only Address Information
Monday June 28	
8:30-11:00 a.m.	STS PROGRAM Title Information
7:30-10:00 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.

Heads of Science & Technology Libraries and General Discussion Group joint meeting

Sunday 27 June 1999 9:30-11:00 a.m.

Trisha Davis, Ohio State University

discussing the practical aspects regarding the licensing of electronic products

Heads of Science & Technology Libraries Discussion Group

The Heads of Sci/Tech Libraries Discussion Group met on a cold winter evening in Philadelphia for a very congenial dinner at "Venus and the Cowboy," followed by a series of interesting presentations on the topic of "communicating with faculty."

Our three speakers were Don Frank from the Georgia Institute of Technology, Dency Kahn from Washington University-St. Louis, and Fred Stoss from SUNY-Buffalo. They had three very different approaches to the topic.

At Georgia Tech there is a program underway which puts librarians in the academic departments with faculty. In some cases 40-50% of the librarian's time may be devoted to the work with a particular faculty member's research group. The colleges provide support staff and facilities for the librarian while the librarian is in the department. The program has been very well received, although they are still in the process of evaluating it. This process has been facilitated by the libraries getting a prominent role in new faculty orientation sessions. Librarians are recruited using a "head-hunter" service.

Washington University is a medium-sized private university. The subject libraries were merged into one library. Because of this they can now offer expanded hours of operation. They use a wide array of communication methods: publicity fliers, word of mouth, meetings with department chairs, focus groups (faculty and grad), e-mail communications. Librarians also attend faculty colloquia.

The Science and Engineering Library at SUNY-Buffalo has a very attractive looking printed newsletter that is published ten times a year. It has a regular column from the library director as well as feature articles and information updates about the library. The newsletter runs four pages per issue and has illustrations. Mr. Stoss also talked about useful resources for publishing library newsletters. Approximately 400 copies of each issue are printed and distributed.

Information Supplied by Nan Butkovich

Publisher/Vendor Relations Discussion Group

"Books on Demand: Will It Change the Demand for Books? New Developments in Book Publishing"

Diane Ficarra of Replica Books was a last minute replacement for Susan Frost, Replica's publisher.

Ficarra described Replica's basic program. Replica's basic goal is to keep books in print that would go out of print under normal circumstances. Copies of the books are scanned into an electronic database. The database can then be accessed for printing only one book at a time (or more). Replica's books generally duplicate the original edition of the book exactly, except for the notation that it is a Replica republication.

Glen Secor spoke about the new Copyright Direct program of Yankee Book Peddler

Copyright Direct is going to act as a broker of copyrights between rights holders and those who wish to republish materials. The aim is to make it easier for libraries and others to gain copyright permissions to place materials on reserve, create coursepacks, and similar objectives. This should make it easier for potential republishers to get permission to use materials. A web based database will be created that will allow someone to identify the owner of copyrighted material, select a format for copying (paper or electronic), and then get an estimated price for rights (or contact information for the rights owner)

Information Supplied by Richard Llewellyn

Science and Technology Databases Discussion

No Report Submitted

Continuing Education Committee

The committee is beginning to plan for the Year 2000 Continuing Education Survey. A web version is being planned along with distribution via STS-L. Better dissemination of the results is also being planned. It is hoped a committee member will be able to regularly attend the ACRL Professional Development Committee meetings. The committee's other project, the Collegial Counsel mentoring program, needs to be marketed. More access via the web is being planned along with indexing via subject expertise. The committee hopes to distribute flyers at STS events to increase its visibility. A web page is also being planned to provide links to science and technology continuing education opportunities outside of STS.

Information Supplied by Mary J. Markland

Comparison of Sci Tech Libraries Committee

The committee reviewed Excel spreadsheets containing the data retrieved from the 5th Survey returns. Data sets were assigned to each committee member for analysis and a due date set for the results of the analyses to be compiled. The results of the survey will be publicized in three ways: an overview article, one or two articles based on subsets of the data, and a Web site containing non-identifiable data. The trial Web site was discussed, and the consensus was that it would be unwise to deliver early, unprocessed data, before the analyzed data had been published. At a later time, the raw data could be made available for the use of interested institutions. The original data sets from the 4th Survey are being gathered for comparison purposes. The raw data from the 3rd survey will eventually be posted to the website, but the current and 4th Surveys will take precedence.

Information Supplied by Judith R. J. Johnson

Government Information Committee

Government Information Committee members will continue monitoring various electronic discussion groups and send brief reports to STS-L. During the meeting, committee members reported on information sessions held by the GODORT Federal Documents Task Force, the GODORT Legislation Committee, and the ALA Washington Office.

The recently enacted Digital Millennium Copyright Act includes provisions to: 1. limit the liability of online service providers when a user is responsible for copyright infringement; 2. prohibit circumvention of protection technologies used to restrict access to material; and 3. permit authorized institutions to make up to three digital preservation copies of eligible copyrighted work. This Act also instructs the Register of Copyright to seek input and make recommendations regarding use of digital technologies for distance education.

Database protection: Legislation was not passed last session, however, such legislation will undoubtedly be proposed in the current legislative session.

Some ongoing concerns of the Government Printing Office include: acquiring more fugitive documents, insuring GPO Access is Y2K compliant, and archiving electronic documents.

Information Supplied by Susan Norrisey

Membership and Recruitment Committee

Members of the Committee decided to have small print runs of the STS brochure to assure up-to-date information.

The charge of the Committee was reviewed and the wording was amended to include "recruitment" which appears in the name of the committee, but is not mentioned in the charge. A formal proposal will be made to institute the change.

The Committee will host an orientation session to welcome new and prospective members at 7:30 am, Saturday, June 26, 1999 at the Convention Center, New Orleans, LA.

New members will receive a "welcome" letter along with the STS brochure and a flyer for the Collegial Council. Dropped members will receive a "Please come back" letter along with a brief survey on reasons for dropping out.

The Committee is scheduled to meet on Sunday, June 27 from 11:30 to 12:30 in New Orleans, LA.

Information Supplied by Nirmala S. Bangalore

Oberly Award for Bibliography in Agriculture

No Report Submitted

Organization and Planning Committee

No Report Submitted

Publications Committee

STS Council updates were given; concern was expressed about the ALA proposed rearrangement of programs into tracks.

Edward Lener and Heather Moberly agreed to become co-chairs, Ed for 1 year, Heather for 2 years. Both will remain as editors of the STS Signal.

Teresa Berry, who has volunteered to join the committee, is willing to serve as listserv co-moderator. Gayle Baker remains as co-moderator.

Katherine Whitley has agreed to become web editor. The Section's website will remain at the University of Tennessee.

Updates on ISTL, STS-L, and the STS Signal indicate that aside from a delay in mailing of the last issue of Signal, all seem to be working fine. ISTL had good response to the Albert Henderson article. Discussed ACRL policy which prohibits publishing newsletters on the web prior to publishing the newsletters in print.

Discussed briefly improving the web page and the status of ACRL allowing us to put real audio excerpts of programs on the web. Both will be addressed later.

Information Supplied by Janet Hughes

Subject and Bibliographic Access Committee

The committee discussed ways of recruiting new members. A new member attended and expressed interest in serving as Intern for 1999-2000.

The committee discussed the progress of its forthcoming ISTL publication on the issues surrounding electronic publishing of scientific journals. The deadline has been extended to May 1st for the Spring issue.

The committee discussed potential activities for Annual 1999 in New Orleans, LA. Members were interested in following up with the topics covered in the ISTL publication with a program to be presented on electronic journals at Annual.

Information Supplied by Marian Burrig

Forum for Science and Technology Library Research Committee

The Forum on Science & Technology Library Research selected the following research abstracts for presentation at the Forum program, Sunday, June 27, 1999, 2:00 to

4:00 p.m.: Veronica Calderhead, "Implications of Chemistry Undergraduates Use of Full-text Electronic Journals;" Diana Farmer and Beth Turtle, "Comparison of CCOD and Uncover Citation Services;" and Robert Noel and Richard Dominiak, "Push Technology at Argonne National Laboratory."

The committee will emphasize the research aspects of papers by explicit statements in the "call for abstracts" and by requesting that speakers focus on definition of terms, explanation of methodology, and elaboration on implications of research.

Information Supplied by JoAnn DeVries

1999 Conference Program Planning Committee

The group met from 8:30 on Sunday January 31st. After reports from STS Council I and the ACRL Program Planners Committee meetings the group worked on finalizing plans for the STS Program at Annual in New Orleans. Three speakers have accepted the Committee's invitation to speak on June 28th on the topic "The Future is Here: New Initiatives for Today's Sci-Tech Librarians". The major business of the meeting centered around assignment of tasks associated with the program including publicity, handout preparation, program evaluation, and the web page that will be used to promote the program.

In an effort to encourage more discussion and less of the "talking heads" format the committee spent considerable time planning a more interactive format. In addition to the panel of three speakers two discussion initiators were identified--Rick Case, Enterprise Director for SPARC, and Dr. Susan Starr, Associate University Librarian, Sciences & Director, Biomedical Library, UCSD. The Discussion Initiators will open the discussion period by asking a probing question for the panel and the audience. Questions will be directed to the panel and the discussion initiators from the audience. Questions can also be sent in advance of the program by way of the STS listserv <http://aztec.lib.utk.edu/sts/programs/>. There will be roving floor moderators to enable questions from the floor to be more easily entertained.

Information Supplied by Dawn Talbot

2000 Conference Program Planning Committee

The 2000 Conference Program Planning Committee met for the first time at mid-winter. The committee did a lot of brainstorming and developed a theme, "Transforming the Future: Visions for Science and Technology Librarianship." Speakers will include both science librarians and a scientist. A poster session is planned for the conference program. Locations for the STS reception in Chicago were also discussed.

Information Supplied by Jill Newby

Attending your first ALA conference?

New to STS?

Confused about STS programs at ALA?

**The 'Welcome to ALA' get together
sponsored by
Membership and Recruitment**

**in New Orleans, LA
is just to help YOU!**

**Saturday June 27
8:00-9:00 am**

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

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
SUBSCRIBE STS-L First Name Last Name

Moderators: Marty Courtois and Gayle Baker

Issues in Science and Technology Librarianship

URL: <http://www.library.ucsb.edu/istl/>

Editor: Andrea Duda

STS Web Page at: <http://aztec.lib.utk.edu/sts/>
Webmasters: David Atkins & Janet Hughes

STS Signal on the Web

Available in portable document format (pdf) at:
http://aztec.lib.utk.edu/sts/pubs/sts_signal.html

Editors: Edward F. Lener & Heather K. Moberly

The Continuing Education Committee of
ACRL Science and Technology Section offers
For Sci/Tech Librarians

COLLEGIAL COUNSEL

Librarians do many different things as part of our job. In addition to reference work, our assignments may include collection building, evaluation of reference collections and services, stack organization, creating home pages, designing instructional flyers, or any one of a million other special projects. If your job has ever required you to do something you did not learn in Library School, **Collegial Counsel** may help. The Continuing Education Committee has gathered a list of 42 individuals willing to help less experienced librarians in all aspects of librarianship.

The nexttime you are asked to do, write, shift, present, catalog, teach, organize, or administer something for your job and do not know where to start, start with STS's **Collegial Counsel** resource list. You may (or may not) be surprised to run into colleagues who have successfully completed similar projects. Let the STS Continuing Education Committee help by putting you in contact with experienced librarians who may be able to help in your particular situation. The list includes the names of volunteers, their area of expertise, and contact information. You may choose to contact anyone on the list whose experience and expertise matches your needs or interests.

To request the list, which is on a password protected WWW site, please send your name, position title, work address, email address, and phone number. If you are unable to connect to the Web, let us know and provide your U.S. mail or e-mail address. If you are an experienced Sci/Tech librarian who would like to share their expertise, we would be happy to hear from you.

To request the **Collegial Counsel** list, or for more information, please contact:

Nancy L. Hayes or
Science & Technology Library
University of Akron
Akron, OH 44325-6192
NLHayes@uakron.edu
Phone: 330-972-6192
Fax: 330-972-5558

Patricia T. Viele
Physical Sciences Library
Cornell University
Ithica, NY 14853-2501
ptv1@cornell.edu
Phone: 607-255-6039
Fax: 607-255-5288

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Association of College & Research Libraries
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