



P-A-M BULLETIN

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Message from the Chair

Karen Croneis

kcroneis@bama.ua.edu

Many thanks to everyone who made the 2002 Annual Conference such a great success! The organizers, presenters, and attendees worked together in the best PAM fashion to create an informative (and fun!) time for all in Los Angeles. Highlights of various sessions are in this issue. For more details, please see PAM's website.

The entire 2001-2002 year was a terrific one for PAM, thanks to the efforts of many people. At the top of the list is Kris Fowler, outgoing PAM Chair and program planner extraordinaire. Please join me in extending sincere thanks and appreciation to Kris for her leadership of PAM. Her stellar work has been recognized at the top levels of SLA—and rewarded with appointment to the 2004 (Nashville) Annual Conference Planning Committee. Congratulations, Kris! In addition to serving SLA this coming year, Kris will continue on the PAM Executive Board as Past Chair.

I am also grateful to this year's Past Chair Jane Holmquist for her counsel and unending support. During the year and also in Los Angeles, her assistance was invaluable and reminded me again what "service" means. Thanks to outgoing Treasurer Michael Fosmire who has kept PAM both solvent and legal these past two years. I'm looking

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Assistant Editors: Parker Ladwig and Thurston
Miiller (miller.115@nd.edu)



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Physics-Astronomy-Mathematics Division

forward to working with him this coming year in his new role as Chair-Elect. Kudos also to Laurel Kristick who served her first year as secretary last year. In this new year, I know I can count on her to provide continuity and a valuable perspective to PAM and the PAM Board. I'm delighted to welcome Alison Verbeck as PAM's new treasurer. Her experience as treasurer of the St. Louis Chapter will be especially useful.

Please watch your mail and email for two specific items: SLA bylaws and PAM's Strategic Plan.

1) As many of you know, "bylaws" was the big topic at the Annual Business Meeting held June 12 in Los Angeles. At that session, it was decided that the full voting membership of SLA should vote to approve or reject the proposed new bylaws. A copy of the current bylaws revision can be viewed at <http://www.sla.org>.

In accordance with the current bylaws, SLA will send a mail ballot to each voting member on August 15. Ballots must be returned to SLA by October 1. The Board will ratify the results of the mail ballot at its meeting on October 25. If the membership approves the revised bylaws, they will be implemented November 1. Please be sure to vote on this important issue.

2) In the coming months, members of the PAM Strategic Planning Committee will be asking for your input as they update PAM's strategic plan for the coming three years.

There are still opportunities to participate in PAM activities, including serving on committees. If you are interested in volunteering or want to share comments and suggestions, please let me know. I look forward to another busy and productive year in PAM!

2002-2003 PAM Board and Staff

Chair:	Karen Croneis
Chair-Elect:	Michael Fosmire
Past Chair:	Kristine Fowler
Treasurer:	Alison Verbeck
Secretary:	Laurel Kristick
Awards:	Alice Primack
Archives:	Sara Rutter
Bulletin Editor:	Parker Ladwig
Catalog Liaison:	David Bigwood
Government Relations:	Open
Hospitality:	Carol Hutchins
International Relations:	Zahra Kamarei
PAM-APF:	Christina Birdie
Membership:	Michelle Young
Networking:	Cynthia Holt
Nominating:	Pat Hausman
PAMnet Listowner:	David Stern
PAMnet Monitor:	Debra Bailey
Procedures Manual:	Pamela Yorks
Professional Development:	Wm. Armstrong
Mentoring Subcommittee:	E. Poworoznek
Public Relations:	Fritz Whitcomb

The Physics-Astronomy-Mathematics Division gratefully acknowledges the financial support for this Bulletin issue provided by the Institute of Physics

electronic journals



Still searching for a needle in a haystack?

Search results clustering

Search results clustering by topic, courtesy of the Vivisimo Search Engine, is now available in our Electronic Journals service. Enabling you to find articles of interest more efficiently, the option is accessible from the search results page for searches generating 25+ results.

This is an experimental service – please tell us what you think!

www.jop.org/EJ/search/

Institute of Physics PUBLISHING



Publisher Relations: Ann Jensen
 Strategic Planning: Greg Youngen
 Translation Index Project: Bob Michaelson

2003 (NY City) Roundtable Moderators

Astronomy: Open
 Computer Science: Barbara Hamilton
 and Jane Kinkus
 Mathematics: Fred Yuengling
 PAM-Wide: Cynthia Holt
 Physics: Jennifer Edelman
 and Pat Hausman
 Vendor Update: Robert Noel

Annual Business Meeting Minutes

Laurel Kristick
 laurel.kristick@orst.edu

Held at the Westin Hotel, Los Angeles, CA, on
 Tuesday, June 11, 2002

Sponsor: American Physical Society (APS)

Call to Order (Kris Fowler)

Introduction of Board: Chair, Kris Fowler;
 Past-Chair, Jane Holmquist; Chair-Elect,
 Karen Croneis; Treasurer, Michael Fosmire;
 Secretary, Laurel Kristick.

Announcements (Kris and Karen)

No-host dinner arrangements.
 Call for volunteers—Roundtable moderators
 needed for NYC; committee membership
 opportunities; possible library users program at
 NYC needs coordinators and possible guests
 (e.g., faculty members, researchers on editorial
 boards, savvy electronic resource users) .

Secretary's Report (Laurel) – 2001 Business
 Meeting minutes were printed in the August
 2001 *Bulletin*; 2002 Business Meeting minutes
 will be printed in the August 2002 *Bulletin*.

Treasurer's Report (Michael) – Report was
 printed in the May 2002 *Bulletin*. PAM had
 \$20,000 in sponsorship last year; less this year
 because of economic conditions. Had a \$5,000
 net for conference last year, this went to
 reserve fund, so PAM now has one year's
 reserve; will break even on conference this
 year.

Selected Committee Reports (Kris, unless
 otherwise indicated):

Hospitality – Thanks to Elaine Adams and
 committee for arranging many PAM events
 in LA.

Public Relations – Thanks to Fritz
 Whitcomb for producing PAM's conference
 schedule ("dance cards"), etc.; a straw poll of
 members was taken regarding PAM logo;
 PAM Board will explore logo possibilities to
 be discussed by PAM members.

International Relations Committee –
 Thanks to Zahra Kamarei and the members
 of the committee, especially for arranging,
 with Brenda Corbin's assistance, the session
 "Information Access in Developing
 Countries."

N.B. **Elizabeth Knight** (eknight@ups.edu)
 sent the following thank you note after the
 meeting:

I'd just like to thank the International Rela-
 tions Committee of PAM and Zahra
 Kamarei for inviting me to participate in
 the "Information Access in Developing
 Countries" session at SLA in LA. And I
 would like to thank the committee for their
 financial support. Without that help, I
 would not have been able to attend the
 conference.

As a fairly new member of SLA and
 PAM, I was impressed with the division;
 it's a very organized, friendly and suppor-
 tive group. I felt very welcome. I met a lot
 of people, and I appreciate the power of
 having an international network of fellow
 librarians just an email away. Thanks
 again, PAM and IRC for everything.

PAM Bulletin – Thanks to Cynthia Holt for
 work done over last 4 years in various
 editorial capacities.

Membership – Distributed 2001 PAM mem-
 bership directory, printed by AMS; talked to
 new and lapsed members throughout year;
 June 3 PAM membership 216 – 27 non-US
 members, new South African member, after
 conference new membership directory; PAM
 members should check membership data on
 SLA Web site, make necessary changes, and
 notify committee of any changes.

Treasurer's Report

Alison Verbeck

alison@wuphys.wustl.edu

PAM Division Mid-Year Financial Statement 1/01/02 through 5/31/02

	1/01/02- 5/31/02		12/31/01 Balance	5/31/02 Balance
Income		Assets		
Contributions	\$ 1,000.00	Cash and Bank Accounts		
Dues Allotment	2,250.00	PAM Checking #2	\$ 5,715.57	\$18,554.39
Interest Inc	198.52	PAM Savings (Pooled Fund)	16,106.92	21,305.44
Sponsorship	18,200.00	Total Cash and Bank Accounts	\$21,822.49	\$39,859.83
Total Income	\$21,648.52			
		Total Assets	\$21,822.49	\$39,859.83
Expenses		Liabilities & Equity		
Bank Charges	\$ 26.00	Liabilities	\$ 0.00	\$ 0.00
Bulletin-Non-Ad	349.18	Equity	\$21,822.49	\$39,859.33
Contribution Ex	100.00			
Meeting Exp.	2,817.00	Total Liabilities & Equity	\$21,822.49	\$39,859.83
Misc. Exp.	250.00			
Postage & Supply	69.00			
Total Expenses	\$ 3,611.18			
Total Income-Expenses	\$18,037.34			

Professional Development (James Manasco) – The Continuing Education half day course “Let’s Get Physical” was a success; there was enough material on the topic for a full day course.

Mentoring subcommittee (Emily Poworoznek) – Polled participants in program this year, 20 people in program; got great ideas for supporting mentoring pairs; University of British Columbia students discussion on PAMnet; six conference buddies paired up at LA conference.

Strategic planning (Greg Youngen) – Gave highlights from this summary report. PAM is in third year of 1999-2002 strategic plan; gave highlights of progress on points in the plan; the draft progress report has been shared with the Board and will be posted on the PAM Web site so members can give feedback; discussed process for producing next 3-year plan, which should be published in the November *Bulletin*.

Awards

PAM-International Membership Award – Kris introduced 2002 award winner Sunita Barve, Head Librarian, National Center for Radio Astrophysics (NCRA), Pune, India. See the February 2002 issue of the *PAM Bulletin* for details on this award, <http://www.sla.org/division/dpam/pam-bulletin/vol29/no3/ima.html>.

SLA Hall of Fame – Kris introduced Dick Funkhouser (now retired from Mathematical Sciences Library, Purdue University), a new inductee into the SLA Hall of Fame.

PAM Achievement Award – Molly White (designee of Awards Committee) presented the award to Brenda Corbin, U.S. Naval Observatory Library.

Brenda is a long-time PAM member—close to 25 years. Within the Division, Brenda has held many important posts, including Chair, head of Strategic Planning Committee for several years, Bulletin Editor, Secretary, Nominating Committee, Government Relations, and she led the first Astronomy Workshop, the precursor to the

Astronomy Roundtable. Beyond these offices, Brenda has made unique contributions to the Division, such as the creation of the PAM International Membership Award during her term as Chair; creation of the Member's Corner of the PAM Bulletin; and spearheading preparation and presentation for PAM at the SLA Global 2000 Conference in England. Brenda Corbin's dedication to librarianship is evident in the collections and services of her U.S. Naval Observatory Library, which serves as the *de facto* national library for astronomy. She has been recognized for her organization of the first LISA meeting, and she has continued to be involved with each of these international conferences for astronomy librarians, and maintains contact with astronomy librarians around the world. Brenda's mentoring has helped many of us—she is always willing to share her experience and broad knowledge of the literature as well as her thoughtful approach to difficult questions. More information on the PAM Achievement Award is available at <http://www.sla.org/division/dpam/manual/a2list.html>.

PAM Division Award – Molly White presented the award to Dr. John Gardner, Professor of Physics and Director of the Science Access Project, Oregon State University.

Dr. Gardner has developed technologies which promote accessibility of electronic information by people with print disabilities, including low vision, blindness, and dyslexia. Products include the TRIANGLE, a computer program for reading and doing science and mathematics, the Accessible Graphing Calculator, which is capable of displaying graphs or other sets of data both visually and audibly as a tone graph, and the TIGER printer, which prints computer text in Braille and can also emboss graphics. Those who use this equipment point out that the projects Dr. Gardner and his Science Access Project Team have developed and are working on are doing a lot to expand the availability of scientific information to researchers and students with visual and

learning disabilities, in libraries and in the classroom and lab. More information on the award is available at <http://www.sla.org/division/dpam/manual/a1list.html>.

Election (Mitchell Brown, presentation of slate)

The Nominating Committee members submitted the previously-announced slate; no write-in candidates were submitted; Slate: 2002 Chair-Elect, Michael Fosmire; 2002-2004 Treasurer, Alison Verbeck.

Call for voice vote—carried unanimously.

Final announcements

Thank you from Karen Croneis to Kris Fowler for the excellent job she did as Chair.

David Stern—students of library school have been monitoring PAMnet as an example of an effective communication tool.

Brenda Corbin—seeks solicitations for Member's Corner column for *PAM Bulletin*.

Mitchell Brown—U. Pennsylvania is looking for a mathematics/physics librarian.

Adjourned at 8:20 AM.

Photos taken of Board and award winners.

Membership News

Pat Hausman

pxhaus@mail.wm.edu

Please welcome the following new members and add their information to your current (2001-2002) PAM directory:

Debra Bailey

Rice University

Fondren Library, MS 44

P.O. Box 1892

Houston, TX 77251-1892

1-713-348-2350

Fax: 1-713-348-5859

Internet: debrae@rice.edu

Mailing address:

P.O. Box 66164

Houston, TX 77266

Christy C. Caldwell

University of California-Santa Cruz
 Science & Engineering Library
 1156 High St.
 Santa Cruz, CA 95064
 1-831-459-1287
 Internet: caldwell@cats.ucsc.edu

Anita Y. Colby

University of California-Los Angeles
 Science & Engineering Library
 8251 Boelter Hall
 Box 951598
 Los Angeles, CA 90095-1598
 1-310-825-3983
 Fax: 1-310-206-9872
 Internet: acolby@library.ucla.edu

Lina Ortega

University of Oklahoma Libraries
 Chemistry-Mathematics Library
 601 Elm Avenue
 Physical Sciences Center, Room 207
 Norman, OK 73019
 1-405-325-5628
 Fax: 1-405-325-7650
 Internet: lortega@ou.edu
 Mailing address:
 511 Fleetwood Dr.
 Norman, OK 73072

LeRoy N. Raspa

17800 Castleton St.
 Suite 608
 City of Industry, CA 91748
 Mailing address:
 2532 Rio Branca Dr.
 Hacienda Heights, CA 91745-4827

Virginia M. Smith

Gemini Observatory
 Public Information & Outreach
 670 N. A'ohoku Place
 Hilo, HI 96720
 1-808-974-2531
 Fax: 1-808-935-9235
 Internet: vsmith@gemini.edu

The 2002-2003 edition of the PAM Membership Directory is at the printer. It is scheduled to be mailed to members in September.

PAMnet News

Debra Bailey
 debrae@rice.edu

PAMnet Discussion Archive at <http://listserv.nd.edu/archives/pamnet.html>

Excessive Downloading of Articles

Howard Dess, Rutgers University, solicited advice on what other librarians do to enforce prohibitions on large-scale or programmatic downloads of articles from online journals. Mark Doyle, APS, says the issue is "about educating users to use resources responsibly." Jane Duffy, OSU, "had to deliver a clear and unambiguous explanation of why systematic downloading compromises our agreement with AIP." Clearly, it is a matter of continuous education to impart upon users the restrictions that licensing agreements play on fair and equal access to source material.

[http://listserv.nd.edu/cgi-bin/wa?](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#22)

[A1=ind0205&L=pamnet#22](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#71)

[http://listserv.nd.edu/cgi-bin/wa?](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#71)

[A1=ind0205&L=pamnet#71](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#72)

[http://listserv.nd.edu/cgi-bin/wa?](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#72)

[A1=ind0205&L=pamnet#72](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#72)

This led into a continued conversation about what happens when, as Dess lamented, "somebody out there knows more about them than we do and has the power, in effect, to lock the library doors."

[http://listserv.nd.edu/cgi-bin/wa?](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#78)

[A1=ind0205&L=pamnet#78](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#78)

The Mathematics Web Portal

According to Elsevier's Michiel Kolman, "part of MathematicsWeb is the preprint server which we launched last year (<http://www.mathpreprints.com>). This preprint server is certainly not restricted to (prospective) Elsevier Science authors only and is as such not communicated as an exclusive Elsevier service."

[http://listserv.nd.edu/cgi-bin/wa?](http://listserv.nd.edu/cgi-bin/wa?A1=ind0204&L=pamnet#37)

[A1=ind0204&L=pamnet#37](http://listserv.nd.edu/cgi-bin/wa?A1=ind0204&L=pamnet#37)

[http://listserv.nd.edu/cgi-bin/wa?](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#26)

[A1=ind0205&L=pamnet#26](http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#26)

Plagiarized Math Book

Kris Fowler sent a post regarding the Oxford University Press recall of John L. Casti's *Mathematical Mountaintops: The Five Most Famous Problems of All Time* (Oxford, 2001) that provoked thoughts about issues of plagiarism and the importance of maintaining the recalled book for an accurate history of science collection. Bob Michaelson notes that "it might be better to insert a notice, perhaps supplied by the publisher, that the book contains plagiarized materials, and that the revised edition should be consulted." Dana Roth correctly asserts, "the inexcusable behavior was not working with the actual authors and describing the book as a collected reprinting of others works."

<http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#35>

arXiv.org

Michael Leach posted the responses he received regarding the cancellation of journal subscriptions based (in whole or in part) on the availability of the articles in the arXiv.org (xxx.lanl.gov) e-print archive. Molly White, agrees that the pre-print use has had a significant effect on Nuclear Physics titles.

<http://listserv.nd.edu/cgi-bin/wa?A1=ind0204&L=pamnet#57>
<http://listserv.nd.edu/cgi-bin/wa?A1=ind0204&L=pamnet#58>

Michael Fosmire contributed information on his recent study of how well conference proceedings are represented on arXiv.org.
<http://listserv.nd.edu/cgi-bin/wa?A1=ind0204&L=pamnet#56>

PAM Division Strategic Plan Online

David Stern reported that the progress report on the 1999-2002 PAM Division Strategic Plan is now posted on the web:
<http://listserv.nd.edu/cgi-bin/wa?A1=ind0206&L=pamnet#38>

You Don't Look Like a Librarian!

Ruth A. Kneale posted *Librarian's Views of Public Perception in the Internet Age*. The

online version includes survey questions, the response numbers, and a complete reference list. Kneale's graphics make this page humorous and informative.

<http://listserv.nd.edu/cgi-bin/wa?A1=ind0206&L=pamnet#1>

Remembering Bruce

Bruce Pelz passed away on Thursday, May 9, 2002. Many PAM members shared their memories of Bruce, including his creation of the name "PAMnet." He held the PAM offices of Division Chair, Bulletin Editor, Treasurer, and Hospitality Chair (at which he particularly excelled). Our sincerest condolences to his family. A memorial message board for Bruce can be found at <http://www.lasfs.org/lasfs/bruce/>
<http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#15>
<http://listserv.nd.edu/cgi-bin/wa?A1=ind0205&L=pamnet#79>
<http://listserv.nd.edu/cgi-bin/wa?A1=ind0206&L=pamnet#26>

More threads from the past quarter can be found in the PAMnet Discussion Archive at <http://listserv.nd.edu/archives/pamnet.html>

SLA 2002 Annual Conference**PAM-Wide Roundtable**

Sue Vazakas

svazakas@jhu.edu

Sponsor: INSPEC

Notes: Cynthia Holt

Sue began with general announcements such as where to find PAM "dance cards" and the room number of the Division suite. She also introduced this year's PAM International Membership Award winner, Sunita Barve. Everyone in the room then stood and introduced himself or herself.

Physics Translation Project (Bob Michaelson)

The PAM translations project began with postings to PAMnet asking if anyone knew of English translations of articles by important physicists. Dana Roth and Bob

Michaelson noted that some of these questions could be answered by *Resources for the History of Physics*, edited by Stephen G. Brush (University Press of New England, 1972) now long out of print. It occurred to us that this book might serve as a starting point for a free web guide to translations published in the "open literature" (i.e., in books or in print journals, rather than as technical reports or other gray literature).

When contacted, Professor Brush quickly indicated that he would be happy to cooperate in creating such a resource. Jane Holmquist got the PAM Board to make this an official PAM project, and Kris Fowler, as incoming Chair, enthusiastically joined in. After repeated efforts, Kris finally got a response from the publisher agreeing to the allow us to use the old material. Kris also recruited Tim Cole of the University of Illinois for the critical task of database design and creation.

The web data will be expanded from those in the 1972 book—for example, the site will include full journal titles (and abbreviated titles), ISBN/ISSN where available, and page numbers for translations which appear in books. Tim also indicated that it could include diacritics but with case/accents insensitive collations, allowing browsing and searching without diacritics.

Because of the need for quality control (e.g., the use of name authority control), only a limited number of people will input data, but the production web site will solicit comments and suggestions of other translations to be added. Tim has created a database at <http://mtmathlib.library.uiuc.edu/translations/>, which currently has five examples (click the "search" button to see a list of the examples) as a means of testing the issues that might come up in creating a database of this sort.

The database will be searchable by title, surname, source title, and publication year, and there will be an authority file for author. The entries will indicate whether an item is a translation or a translation of a translation.

Like the book, the database will include

translations into languages other than English, though English will be the principal language. We plan to expand the database to include fields related to physics, such as geophysics, biophysics, mathematics, and chemistry. At this point there is no timeframe for project completion. We welcome comments and suggestions on the project; also, volunteers are needed to help input data. Please send comments and offers of assistance to rmichael@northwestern.edu.

Project Euclid (Zsuzsa Koltay, Cornell University)

Zsuzsa gave an update about Project Euclid, which makes available low-cost independent and scholarly journals in theoretical and applied mathematics and statistics. Cornell is main owner and Duke is a subcontractor on the grant. The Project is also a SPARC partner.

The new economic model is still being finalized, but the decision about terms should be made by August 2002. The project will be funded by the Mellon Foundation through 2002, and the cost-recovery phase of the project will begin in January 2003.

The goal is better access to and increased citing of these journals. Project Euclid is asking for the support of the community by talking up the project to mathematicians and editors of journals. The Project would very much like feedback.

The Institute of Mathematical Statistics will not allow institutional access to their journals until 2003. Duke Mathematical Journal is pulling out of the project due to differences in opinion on the governance model for 2003—Duke wants a 50/50 arrangement in governance and decision-making between Duke and Cornell, while Cornell wants publishers included in a board which would make the decisions. Duke will wait for a year and then decide what to do.

The web site for the Project is <http://projecteuclid.org>.

In Memoriam (Brenda Corbin)

Brenda Corbin delivered the sad news that two long-time PAM members, Joyce

Watson and Bruce Pelz, had left us this year.

An obituary for Joyce can be found on the NASA ADS site, http://adsdoc.harvard.edu/abs_doc/whatsnotsonew.html.

For information on Bruce, see the last item of PAMnet News in this *Bulletin*.

Announcements

Mentoring Program – In the absence of the Mentoring Subcommittee Chair, Emily Poworoznek, Michael Fosmire updated the group on the Mentoring Program. The Program was formed three years ago, for those who are new to PAM or new to the profession. The Program was developed from the Professional Development Survey done in 1997 and has been quite a success since its inception. Michael asked for those interested in being mentors to contact him (fosmire@purdue.edu) or Emily (emily.poworoznek@unh.edu).

Conference Activities – Kris Fowler reminded the group about the Board meeting to be held later in the day. Jane Holmquist announced the availability of a list of PAM conference attendees, and thanked Marcia Spater (Arete Associates) for organizing the Newcomers Luncheon sponsored by Turpion. Cynthia Holt gave a rundown of vendor receptions and PAM events at the conference as well as tips for getting the most out of the receptions.

General Discussion

About 20 minutes remained in the session for discussion.

Citation Data -- ACM Portal and MathSciNet, to name two, are developing their own citation data and not using those of ISI.

Linking -- Fritz Whitcomb had wondered what libraries are doing regarding linking? MathSciNet will support SFX linking by September 2002; SciFinder Scholar is adding linking into the database with data bought from ISI. ADS has recent article citing, and Research Index (formerly SiteSeer) has a free online index.

Carol Hutchins cautioned that SFX has a problem with the general periodicals with building in context sensitivity, and Bob Michaelson mentioned that many databases don't use open linking, which is needed by SFX. However, Sue Vazakas mentioned that SFX allows you to list link-out links in order of preference.

Steve Gass announced that his institution is in the midst of trying to bring in SFX and it has great potential for local control, while Pat Sulouff said that they have implemented SFX and are actively linked to three databases. Unfortunately, patrons do not recognize what the SFX button is, and customizing the button is database-dependent; i.e., each database provider decides whether or not they will allow customization of the SFX button.

Elaine Adams said that they have CSA up, but have had some problems in Ovid with metadata. However, Fritz Whitcomb commented that SFX allows for the centralization of URLs for updating, which allows them to create a university-wide electronic journals list.

Academic Press/IDEAL and Elsevier -- Joe Kraus asked what other schools are doing about IDEAL now that Elsevier has bought them? Kathleen Robertson responded that one must pay extra to fold Academic titles into ScienceDirect. Sue Vazakas referred to a SPARC newsletter column about pricing by Dana Roth, Kimberly Douglas, and David Goodman (<http://www.arl.org/sparc/core/index.asp?page=f53>). Brenda Corbin announced that there is no physical way to turn on *Icarus*; she will send out a confirmation e-mail to PAMnet. Greg Youngen brought up the fact that ScienceDirect has a clause that doesn't allow fax and Ariel delivery.

Thank you to everyone who participated in the PAM-Wide Roundtable!

Vendor Update

Peggy Dominy
Dominymf@drexel.edu

Sponsor: ISI

Theme: "Going beyond 'just the content ma'am'—new web services to the researcher, student and librarian".

Abstract: At one time a publisher's obligation to its reading public was hardly more than collecting and editing content, applying the content to paper and distributing the content. Simplistic, yes. Now, we see that the transformation of the content into an "electronic" component has been added. However, in this highly competitive environment, we are starting to see additional "services" being mixed in the packaging of content. More personalized, customized, individualized, tailor-made, previewed, pre-digested content designed or promoted to save the consumer's (researcher, student, librarian) time. These new consumer services vary from vendor to vendor and from discipline to discipline. I approached several of our related vendors to speak on some of these extra services. The whys, hows, costs, ease of use or accessibility, etc. Who is pushing the envelope of service and who may be padding the packaging?

Tony O'Rourke (IOP) spoke on a number of enhancements to their Web service.

Archiving (with the intent to go back to 1874), clustering of search results, and electronic editorial processing.

June Ellen Groppi (U of Chicago Press) spoke about the services to authors such as flexible formatting, cross linking from ADS and NASA, and linking within articles.

Mary Rose Muccie (SIAM) spoke on Siam's Web portal for dynamical systems, DSWeb. DSWeb's mission is to create the primary site for the organization and distribution of timely information about all aspects of dynamical systems, and to present a current view of the field. Eight sections are planned, including a magazine, a glossary of terms, an image gallery, lists of conferences

and publications, tutorial information, an applications section, and information on SIAM's activity group in dynamical systems. **Tina Long** (Cambridge Scientific Abstracts) spoke about the release of their latest product – RefWorks, going beyond content and now providing a tool to manage the information as well.

Denise Jenkenson (ISI) spoke about ISI's Web of Knowledge.

Physics Roundtable

William Armstrong
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Notes: Emily Poworoznek and Jennifer Edelman

The roundtable consisted of speakers and an audience/participant discussion centered around pre-selected topics. The room was full, and participation proved to be quite active. After the speakers were introduced, brief self-introductions by each of the audience members followed.

I. Speakers

Jerry Cowhig, Institute of Physics Publishing, jerry.cowhig@iop.org

Cowhig provided updates on improved access to IOPP publications, the schedule for the full journal archive, new journals and services, and editorial initiatives which include adding physicists to staff and making connections with physicists on an international basis. He pointed to trends: for example, article downloads per year increased by a factor of ten from 1998 to 2002, and it's expected that 2002 article downloads will reach 2.7 million. All journal articles are now freely accessible for the first 30 days after publication (used to be free until next issue). Non-subscriber downloads are currently about 10% of the total, but subscriptions have begun to rise since 2000.

The journal archive has been extended to 1968 and by December will go back to 1874, with full-text searching and reference links in and out. Access during 2002 is free;

paid options thereafter include an annual fee (2003: \$550, discounted for major package subscribers). The archive will also be available for local loading at a one-time cost. Cowhig explained that the annual fee, while low, is important in principle due to the heavy responsibility of maintaining an archive. The current subscription will include a rolling 10 years of access, while the archive covers from v.1 to 10 years prior to the present, and includes all titles (whether currently subscribed or not).

The IOPP now publishes online JHEP (Journal of High Energy Physics) on behalf of SISSA, and Nuclear Fusion for the IAEA, both still maintained at their original hosts, as well as two Chinese journals. JHEP access is free after two years. Cowhig said that JHEP will be added to Packages B and Z or be made available singly for \$900 per year. Nuclear Fusion will be included in Package Z.

Electronic journal services now include Vivisimo which clusters search results; a special Web info link for librarians; and is working toward ADA compliance.

Douglas LaFrenier, American Institute of Physics, dlafren@aip.org

LaFrenier discussed the AIP/APS Virtual Journal program. Virtual journals focusing on cutting-edge research were developed to slice through the content of big journals, providing specialized content and current awareness (TOC alerts) without creating new niche journals. He announced the fifth virtual journal produced by the program: Virtual Journal of Ultrafast Science, edited by Philip Bucksbaum. While this will be the first VJ with Optical Society of America journals, it is hoped other VJs will also be permitted to carry OSA journals. LaFrenier explained that the selection process includes computerized article discovery plus editorial review; editors may also add articles. Non-AIP/APS journals covered include Science, Nature, SIAM J. on Computing, and OSA titles.

As to the success of the VJs, LaFrenier went on to say they are not profitable, but authors love the increased distribution, and there is growth in TOC alert registrations (due to word-of-mouth). Lack of marketing limits corporate growth. Credit card purchases are available for those who don't subscribe to the original journals online, and a deposit account for corporations and other subscription models are being considered. It's not clear that the VJs are slowing down the start-up of new niche journals, but more subscribing institutions are linking to the VJs. LaFrenier added that there are no digital object identifiers (DOIs) associated with these journals, and citations of articles found in VJs should be to the original publication, not the VJ. For more info on this program, see the web site <http://www.virtualjournals.org> or contact Doug LaFrenier or Barbara Hicks (APS), vj@aps.org.

Bob Michaelson

Michaelson described the PAM Physics Translation Project that he and Dana Roth (Caltech) conceived in response to PAMnet queries for article translations. Please see his session at the PAM-Wide Roundtable for basic information.

Questions included the idea of providing DOI links (which aren't currently available) and providing indexing for early years of translation journals. The translation journals won't be covered, but perhaps a list of cover-to-cover translation journals could be added eventually. Regarding funding for the project, server use has been offered permanently and time is being volunteered. The project has been undertaken under PAM auspices, using volunteer PAM labor. However, use of the PAM logo on the web interface will have to be authorized by SLA. As mentioned earlier, the translation database will be a freely available web service. For cost recovery, AIP has offered some funding if needed.

II. Audience/Participants' Discussion of Selected Topics

Discussion Topic 1: Where are our physicists getting their information?

What sources are they using? What should they be using, or is there even a consensus? Are they, in many instances, relying exclusively on ArXives, pre-print servers? Is this adequate? What long-term effects might such reliance on arXiv.org have on physics libraries, e.g. subscription to source materials as well as provision of indexes for locating such? Are we canceling journals due to electronic access to sources such as lanl.arXiv.org? What of more traditional sources of bibliographic information, e.g. INSPEC? Should we be promoting this more? What are institutions doing that can't afford INSPEC?

Some physics communities appear to use e-journals heavily. High-energy physicists are definitely using arXiv more, while string theorists probably use arXiv almost exclusively. Nuclear physicist use of the SLAC (Stanford Linear Accelerator Center) database preprints is also very high. Solid-state/condensed-matter and acoustics folks still use the library. Until the peer review process changes, journals will maintain their place; arXiv does not provide that process. Those who don't use arXiv often use Web of Science first, rather than INSPEC, the latter being a "hard sell" despite its usefulness. It simply does not seem to fit the way people work now.

When the publishers at the roundtable were asked their views on maintaining print, IOPP responded that it will continue print if the customers want it. AIP maintained it has discounted online-only by 25% for 3-4 years, but only 3% of subscriptions are online-only. They would like, however, to get rid of print. A representative from Springer added that despite the value-added online and two major electronic-only deals, only 8% of their print subscriptions migrated to e-only. In some countries, a physical purchase is needed for the contract. It seems that it will be several years before any large publisher

gets rid of print.

Some of the specific comments made by audience participants are included below:

We had INSPEC on CD-ROM; then, through a consortium, got INSPEC through the Web. We're promoting it, but physics faculty don't want to be bothered.

For many physicists, increasing their use of INSPEC is a hard sell. Other things have a better fit with the dynamics in their discipline. Unless INSPEC adopts a more modern search engine and becomes easier to use, they won't use it.

The physicists are] not relying solely on e-print archives, but what they are doing is invisible to librarians.

Certain fields have a low usage in ScienceDirect journals; they're using arXiv instead.

We're paying \$20,000 to get Nuclear Physics electronically from Elsevier. People still cite the preprint from SLAC even after the final version has been published, but the faculty don't want to cancel the subscription!

People go to the Web of Science before INSPEC, because it's interdisciplinary and links out.

It depends on the discipline: solid state physics and acoustics faculty use the library more than others. We lack data on usage.

If we change to e-only, no one complains. Is this because no one noticed? Is no one using the library?

LANL model and "official" models coexist.

I know one person who would look at the table of contents in the print copy, then download the article from arXiv.

Until someone develops a new model with preprint peer review, journals are the only opportunity for peer review.

Physicists don't use current awareness searches.

Depending on the institution: undergraduate and graduate students use journals; undergraduates don't like paper; if it's not online, undergraduates won't touch it; older faculty stick with print.

Librarian concerns: Electronic versions

should not be an exact copy of the print, or why bother? Access to archives.

Discussion Topic 2: Permanence (or lack thereof) and preservation of electronic archives of physics documents (or electronic documents in general).

(Related to topic 1) – This is an issue of particular importance as it is likely a large percentage of our physicists are relying on electronic documents from pre-print servers. As more and more access becomes strictly electronic, how do we guarantee survival of the electronic data? It's not just the storage and retrieval formats which are at issue, but the very nature of electronic data itself. Are we in a "golden age" of information which may be as short-lived as a few decades, only to be followed by a dark age, marked by ever growing gaps in information? What is being done or can be suggested to help ensure electronic document (file) integrity and endurance?

There was the general feeling that publishers' online journal archives are still laden with issues of technology and trust. There is a need of a guarantee to readers and also to authors. Indeed, one member remarked that at an ACM talk 4-5 years ago, there was a suggestion to get rid of online articles that no one has read in the last 10 years. IOP thinks it would never get rid of an article that hasn't been read. It has a commitment to authors. It has multiple copies of backfiles and a permanent depository, using the "LOCKSS" (Lots of Copies Keep Stuff Safe) policy. APS thinks it is participating as an observer in LOCKSS, but not using it.

Another member asserted that we're not saving cross-references or functionality in a reliable way, eliciting the comment that preservation is out of librarians' hands. We have to rely on the publishers. To this, APS responded that it has a deposit at the Library of Congress and a mirror at Cornell; that gives us more trust in the permanence of its archives. Someone else then reminded folks that arXiv is now at Cornell – a library has inherited it, thus providing at least one

exception to the assertion that preservation is out of our hands.

Another issue is the affordability of the archives; should permanence be dependent on continuous payment? Should the author or subscriber be paying? The following remarks and questions addressed these issues:

Can we continue to afford access for our patrons? With the paper model, we always have access to a journal once we've bought it. We would cancel print if we knew we had permanent access/ ownership.

IOP: We can sell you CD-ROMs, but other than that, we can't promise permanent access.

In the past, we paid for journals, ended the subscriptions, and still had copies on the shelf. Now we pay annually and have the choice to keep paying or lose it. Maybe the author should pay.

Authors paying would never work as a commercial model. It's not viable; there's not enough money from the authors to cover the cost of the journal.

How many people are canceling commercial print, not society print? (A quick poll on print cancellations showed more people canceling commercial print subscriptions than society ones – possibly the trust factor?)

We trust societies more.

As the discussion continued, it was asserted that information will have an outlet; scientists will find a way to talk to each other. But this brought up the question as to whether they would be able to continue to talk to each other over the centuries, given the potentially fragile nature of digital information. Someone else pointed out that paper gets lost over centuries as well. It was then questioned whether older information is even used; some has been lost. Others responded quite emphatically that it is indeed used and is quite important.

Discussion Topic 3: Landolt-Börnstein

In recent years, many libraries have had to cancel this series because of high costs and probably low usage. With the advent of

the online version, is it time for libraries to re-visit this issue? How well is the new online version working? Will the convenience and ease of access and retrieval of information through the online version make this a more attractive resource? Or is the locating and retrieval of information via the online version efficient and easy enough?

A quick poll of the room showed only six print subscriptions to the Landolt-Börnstein Handbook series. Most have cancelled or didn't ever have it. Dissatisfaction was expressed with the online version, with a general consensus being brought out in the following remarks: The online version needs to be searchable and linkable by and to other information sources, and searching needs improvement overall. The chapters need to be "unbundled." Right now, one still needs to understand the structure of the print publication in order to use the online efficiently. The index is hard to use; the most use is from people who have a citation to it, not people who use it as the source of information. Americans, by and large, seem to be ignorant of the set, either of its existence or how to use it, while German professors are more familiar with the series.

Time for the roundtable ran out quickly, and the discussion was brought to a close by the moderator, who thanked the speakers and audience for their participation.

Astronomy Roundtable

Madeleine Needles
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Sponsor: ISI

Notes: Ruth Kneale

Brenda Corbin of the US Naval Observatory spoke on plans for the **Library and Information Services in Astronomy (LISA) IV Conference** which was held in Prague, Czech Republic, July 3-5. (A report on LISA IV will be in the next issue of the bulletin.) She presented viewgraphs of the agenda, which can be found on the Web site <http://lisa4.cuni.cz/>. Some astronomy librarians

from developing nations were given financial assistance to attend by the Friends of LISA. The US Naval Observatory will be publishing the proceedings and will send a free copy to every institution that now receives the USNO Almanac Supplement (although there should be enough extras that those who don't get the supplement can also have a copy of the proceedings).

Brenda also presented a talk about **On-line Resources for the Astronomy Historian**. The full presentation is available at <http://www.usno.navy.mil/library/aasbgc2.html>. She discussed some online resources that are particularly useful to astronomy librarians such as Astro Books Online (whose URL keeps changing) and Gallica (which is difficult to use but has many treasures); the URLs for both can be found in her online talk. A general discussion followed about the many groups who are starting to scan items such as photos, and making them available online. Various people volunteered information about their own digitization projects. Harvard has a large ongoing project and will post help queries on PAMnet for missing issues and items that could help fill in some of the holes in their collection.

Jane Holmquist of Princeton University spoke on an astronomy librarian community project, the **Core List of Astronomy Books and the Core List of Astronomy and Physics Journals**. She listed the top 10 highest-use journals for astronomy and physics, and also discussed the astronomy book list, which is based on evaluation of collections and use statistics. Both lists will soon be available on ADS as dynamic lists, changing as more information comes in and time goes on. A question arose on how best to help librarians in the different fields of astronomy find appropriate books on the list for their libraries. Jane responded that the lists will be sorted by author and subject, so librarians can pick and choose based on the specialties of their libraries. If someone finds a book or journal that isn't on the list but should be, send it in!

A discussion about **separate reading rooms versus consolidated libraries** in general, and what various institutions have done, was prompted by a question from Jane about how other librarians have handled this issue. This led to an impromptu update on the Hayden Planetarium/Rose Center astronomy library move and the creation of its reading room. Thanks to Sandra Kitt for sharing her story.

Joe Kraus, University of Denver, and Pete Banholzer, NASA/Goddard Space Flight Center, discussed their recent paper on **Astronomical Resources on the Internet**, which is available in the Spring 2002 issue of *Issues in Science and Technology Librarianship*, at <http://www.istl.org/02-spring/internet2.html>. This article will also be added to the PAM Web site. Plans for updating that Web site were also discussed.

Carol Tenopir of the University of Tennessee, Knoxville, presented a talk on **Electronic Journal Use among Astronomers**. This was a first peek at the preliminary data just analyzed, with much more to come in the future. Carol and her team welcome suggestions for where to publish their findings. We look forward to the final report on the complete analysis of this data.

Donna Thompson of the Harvard Smithsonian Center for Astrophysics presented an **update on the ADS** and talked about the new Historical Scans which are being added to the site. Donna and the ADS team are asking users to help establish the metadata for the project. Please visit the page at <http://ads.harvard.edu/pubs/historical/> and share your thoughts. If you're interested in helping with the project, follow the link to the Historical Literature Users Group Login and follow the instructions.

A **general discussion** followed concerning the needs of various libraries and new projects. The group offered special help to librarians in developing countries and discussed some of the needs of these libraries.

There has been a discussion online about subscription problems with **Publications of the Astronomical Society of Australia (PASA)**. Many people are finding that their subscription agents have dropped the title. You may need to subscribe directly if you have encountered this problem

One final note - we congratulate fellow astronomy librarian Ruth Kneale on her talk at SLA on the **stereotype of librarians**—see <http://atst.nso.edu/library/perception/>.

Mathematics Roundtable

Parker Ladwig
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Sponsor: SIAM

Notes: Jane Kinkus, Linda Yamamoto

This year's roundtable was different from previous years, as we did not have any speakers. As a mathematics librarian of two years, Parker led the group in discussions of topics he had questions about.

Informal Survey

Parker began the session by conducting an informal survey. There were only 21 attendees at the start of the session, but by the end of roundtable, there were approximately 26.

Who type of institution do you serve?

16—academic

3—other (NASA, Institute for Defense Analyses, Center for Communications Research)

3—non-librarians (SIAM, IOP, and Turpion representatives)

What subjects do you cover?

2—mathematics/statistics only

4—mathematics/statistics/computer sciences

5—mathematics/statistics/computer sciences/other sciences

6—mathematics/statistics/computer sciences/other sciences/engineering

How long have you been a mathematics librarian?

4—1-2 years

2—3-5 years

3—5-10 years

5—10-15 years

3—15+ years

Do you have a non-MLS advanced degree (or working on one)?

1—mathematics MS

5—other sciences/engineering

In what subject area did you receive your undergraduate degree?

8—science, engineering, or mathematics

ca. 10—humanities, social sciences, other

Who among you has the oddest combination of responsibilities?

Laura Taddeo at Buffalo is responsible for English, urban planning, and mathematics

Public Services

The remainder of the session was organized into three broad areas: public services, technical issues, and collection development issues.

The following report was mentioned as interesting and informative reading:

Anderson, N. D.; Dilcher, K; Rovnyak, J., "Mathematics research libraries at the end of the twentieth century," *Notices Amer. Math. Soc.* 44 (1997), no. 11, 1469--1472.

Complete information on the survey may be found at <http://www.people.virginia.edu/~jlr5m/survey/survey.html>.

What sort of help do your patrons/users ask for?

The consensus was that since our users tend to be at the graduate level or higher, they are pretty self-sufficient, but other majors are in need of advanced mathematics help. No one at the roundtable works a lot with undergraduates. At UT-Austin, for example, the textbook collection acts as the mathematics book collection for undergraduates.

Patrons/users primarily ask for help in chasing citations, and they generally approach the reference desk only when they cannot find the citations and/or resolve the citations themselves.

The 1995 release of AMS's MathSciNet has made things easier. Some do use the Mathematics Subject Classification (MSC) codes to search for articles, but they are

probably used less often in the online version. The Library of Congress subject headings do not work as well as MSC codes for many mathematics subjects.

Does your library have an information literacy program for mathematics, i.e., are you teaching research skills?

UCSC gets the new mathematics graduate students for an hour at beginning of the year, then a tour of the library (the setup is similar at Stanford).

MIT shows classification codes to undergraduates in a class taught in the spring (attended mostly by third-year students). Brooklyn University and Drexel require all departments to have an intensive, subject specific writing course for upper level undergraduates (MIT has a similar requirement). Notre Dame is looking to develop research skills for science students.

Are non-mathematics librarians and staff hesitant to answer mathematics-related questions?

Staff spend the most time with students in those libraries with less than 5 FTE employees. Some one suggested creating a competency training programs for reference staff.

At Oregon State University, the 18 science librarians are not afraid to deal with mathematics questions, even though they can refer them to the mathematics librarian. UCSD is developing competencies for staff; but they also face problems with anxiety about chemistry questions. Drexel often has library school students staffing the desk. Subject specialists assign questions for these students to work on while at the desk. A mathematics question might be, "Find the author of a review, and the paper it reviewed."

Are there institutions that have a VIGRE grant from the NSF?

VIGRE stands for Grants for Vertical Integration of Research and Education in the Mathematical Sciences--see <http://www.nsf.gov/mps/divisions/dms/research/vigreawards.htm>. Two institutions

mentioned having VIGRE grants: UT Austin, Princeton/Park City Mathematics Institute.

There's also REU (Research Experience for Undergraduates Program, NSF)--see <http://www.nsf.gov/home/crssprgm/reu/reulist.htm>. But, it appears to have onerous requirements for reporting, and its focus is on undergraduates.

Technical Issues

Do departments train students on how to use TeX or LaTeX?

Should mathematics librarians know TeX or LaTeX? No--it is not that hard, and it is getting to be second nature for mathematicians to know TeX. One professor gives out a basic book on LaTeX published by SIAM: *Learning LaTeX* by D. Griffiths and D. Hingham. Older researchers may still use departmental staff.

Is anyone working with MathML?

MathML is still under development and has not been adopted widely yet. W3C has information at <http://www.w3.org/Math/>. MathML is like XML, and displays mathematical characters on the Web. The creators of MathML say it is for publishing rather than authoring. SIAM and the AMS have both donated money for MathML development, and SIAM is eagerly waiting the new version of Netscape, which is supposed to support MathML. There are companies that convert TeX to MATHML.

Is anyone planning to use the IMU standards for their Web sites?

The International Mathematical Union announced an effort to standardize mathematics Web sites, http://www.math-net.org/Math-Net_Page_Help.html. There appear to be no plans to employ these standards probably because mathematicians are too independent.

Is anyone involved in digitization efforts of older mathematical literature?

It was suggested that we should coordinate our digitization and preservation efforts, and that PAMnet should be used to

share information about these efforts.

At the AMS/MAA 2002 Joint Meetings, a group of publishers and other interested parties convened in response to Ewing's white paper on digitizing past mathematics literature. The latest version, Version 12.3, March 2002, appeared at http://www.ams.org/ewing/Twenty_centuries.pdf. Also, there was a planning group meeting in July in Washington DC (with the NSF) concerning the proposal.

EMANI. The Electronic Mathematics Archive Network Initiative "to insure the preservation and dissemination of mathematical information for future generations," involves Springer and others—see <http://www.springer.de/press/companynews/emani.html> and <http://www.sla.org/division/dpam/pam-bulletin/vol29/no2/mathematics.html>. This differs from the SMETE Open Federation, which was "formed to promote the teaching and learning of science, mathematics, engineering and technology at all levels"—see, http://www.smete.org/about_smete/.

Distributed Mathematics Books Initiative. This is a collaborative effort of the University of Michigan Library's Digital Library Production Service, Cornell University and Goettingen Universitat. NSF funds were used "primarily to develop an interoperability layer with the three strong digital library systems at these institutions." Michigan will contribute digitized 19th century mathematics monographs from the UM mathematics collection. "Cornell has digitized 576 volumes of mathematical monographs and will generate OCR to enhance access to their materials. Goettingen will contribute digitized monographs, dissertations and multi-volume works of the electronic Mathematical Archive and the database *Jahrbuch ueber die Fortschritte der Mathematik*, funded by the Deutsche Forschungsgemeinschaft." See <http://www.math.cornell.edu/~library/reformat.html>, http://www.diglib.org/pubs/news02_01/umich.htm, and <http://www.dlib.org/dlib/may01/brahms/05brahms.html>.

Someone mentioned Gallica, but items are hard to identify—see <http://gallica.bnf.fr>.

Notre Dame started a project to scan Clavius' collected works--see <http://www.sla.org/division/dpam/pam-bulletin/vol29/no2/mathematics.html>.

Stanford Digital Delivery of Interlibrary Loan (dd-ILL) program, <http://www-sul.stanford.edu/depts/hasrg/hdis/dd-ill/>, will digitize a monograph if it is out of copyright and in many cases would not circulate from the library. This program has been integrated into the regular ILL workflow. However, there has not been a lot of demand for scanning sci/tech materials.

One of the worst interlibrary loan problem faced is trying to get 150-year old books of interest to people studying mathematics and mathematics education. A big underlying problem is dispersed paper collections that are decaying badly—these older materials cannot be loaned because of their condition. If these materials are in the public domain, they could be digitized.

Another problem is the mid-19th century or later books that circulate. These items are not old enough for rare books collections, but they need to be preserved. Notre Dame has a "medium rare" collection in the Mathematics Library. The difficulty is how to identify them—publication dates in the 1820's-1850's are still being used as an indicator. Many preservation decisions are based primarily on circulation statistics. Also, originals of translations should be preserved.

Collection Development Issues

Are there any journal cuts planned?

Some participants expressed skepticism about the effectiveness of journal cuts—many libraries have to meet a quota for canceling a certain number of titles in favor of electronic only. Although faculty have talked about the problem of high journal prices, and have been forced to consider cutting journal subscriptions, there has been no change on which editorial boards they serve or where they submit their articles for publication.

Drexel cancelled standing orders for monographic serials.

At Oregon State, new subscriptions would be online-only. Others admitted the same.

Are there problems with online journals?

Getting the online copy can be slow: someone ordered an online subscription in September 2001, and it finally got turned on in May 2002.

A major concern is archival access to online-only subscriptions. Publishers do not have answers for our archiving concerns, while librarians are coping with budget and space problems. Mary Rose Muccie from SIAM said, "We will give you the files, but we will not guarantee perpetual access; we recognize the need to move TeX to XML, but we have no funds to do so. Also, who is going to make sure files migrate over time?"

From the publisher's perspective, Lev Malov from Turpion asked, "Would anyone subscribe only to the online copy?" "No" was the consensus. And yet last year, some said that Turpion would need to offer an online-only option or else subscriptions would be cancelled. This year (2002), Turpion offered an online-only option, but only received five subscriptions from North America. Turpion needed two FTE employees to deal with the electronic side alone, pay for digital objective identifiers and CrossRef services, add search capabilities to the Web site, etc., so it is not cheaper to produce the electronic in favor of the electronic.

Is the Big Deal a problem?

For many the answer is yes, because some titles included in the package have been cancelled in the past and because some titles are not wanted. Many librarians find the pricing structures difficult to figure out. Also, Elsevier has admitted that their electronic version is not complete, and Springer does not handle errata very well because corrections are not always linked to the original article.

Computer Science Roundtable

Laurel Crump

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Reported by Hema Ramachandran,
California Institute of Technology

My colleague Ed Sponsler, Senior Applications Developer, and I made the presentation at the roundtable. We were the only speakers. I do not have an abstract, but I do have the PowerPoint presentation with our notes [on the PAM Bulletin site]. In essence, our presentation was on our Digital Collections project <http://library.caltech.edu/digital/> with special reference to our first project, Caltech CS Tech Reports. We were gratified that a lot of people attended—about 20, and there was lively discussion.

Here is additional background for our project:

The Case for Institutional Repositories: A SPARC Position Paper, prepared by Raym Crow, SPARC Senior Consultant, <http://www.arl.org/sparc/IR/ir.html>. The Caltech repositories are mentioned, albeit briefly, in an appendix, <http://www.arl.org/sparc/IR/ir.html#app>, under Institutional Repository E-print Implementations.

“‘Superarchives’ Could Hold All Scholarly Output,” Jeffrey R. Young, *Chronicle of Higher Education*, July 5, 2002. Look at the section under “Early Adopters.” The CS Tech Report was our first project.

Members' Corner

Brenda G. Corbin

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Brian Quigley (Kresge Engineering Library, University of California, Berkeley) is one of the authors of a recently published paper assessing the need for information technology instruction among science faculty. The research represented in this paper was done by Brian and some of his colleagues while in his former position at Texas A&M University. The full citation is: Quigley, B. D.; Church, G.M.; and Peterson, A.,

"Defining the need for information technology instruction among science faculty." *Science & Technology Libraries*, 2001, vol.20(1), pg.5-42. bquigley@library.berkeley.edu

Shaun Hardy has been elected to a 3-year term on the AIP's Advisory Committee on History of Physics. The Committee reviews and evaluates the activities of the Center for the History of Physics in College Park, MD. Shaun is at the Carnegie Institution of Washington, DTM-Geophysical Library. hardy@dtm.ciw.edu

Donna Cromer is currently on a six-month sabbatical from her job. She will be writing a book on training, continuing education, and management for science and engineering reference services. The intent is to be quite practical, with specific learning exercises in the fields covered, and to provide some theory and depth so that it will be useful for a long time. She hopes to be able to capture at least some of the immense depth of knowledge many of us have, so she may well ask for your help. dcromer@unm.edu

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