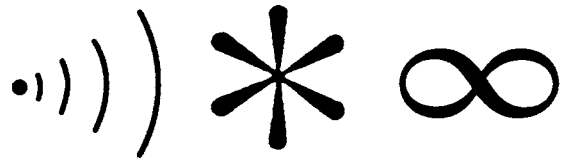


p·a·m

physics astronomy math



P-A-M BULLETIN

Vol. 22, No. 4

May 1995

ISSN 1063-9136

MESSAGE FROM THE CHAIR

David Stern
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Times are certainly interesting for those analyzing radical (or traditional) information distribution mechanisms. The PAM community leads the library field in many ways due to the highly advanced technologies available to the average PAM researcher ... if not always in the libraries themselves.

On April 10th I attended an American Physical Society (APS) Page Charges meeting in which the APS officers and editors explored the possible permanent removal of author page charges for *Physical Review D* and *Physical Review C*. In attendance was another representative of the library community (Michael Keller from Stanford) and a representative from the American Institute of Physics (AIP). There was an open and honest discussion, and many of the attendees were very aware of library realities. However, there is still much room for improvement in the education of the average physicist in relation to the desperate fiscal situation for most library budgets.

In recent meetings with a variety of publishers some interesting data was

presented in regard to the publishing industry: Better digital conversion and composition processes are necessary for significant savings from using electronic author manuscript submissions. <Currently only 8-10% of the cost can be saved through keystroke replacement> (Perhaps this could be explored in collaboration with the Stanford Linear Accelerator Center (SLAC) preprint conversion projects that are now expending large financial amounts.) New added value revenue items must be identified by publishers since the simple display of journal data will be provided via the

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Internet at little cost in the future. Finally, reasonable electronic archival methods must be developed before electronic data can replace paper based data.

In this complex milieu, there is no denying the fact that increases in journal prices will be required to support some R&D activities in relation to technical capabilities. Librarians must become involved in the creation of user search interfaces to help researchers filter the enormous amount of data that is currently produced. Librarians must at the same time work with faculty to create new methods to review and validate quality research for promotion and tenure purposes. We are fortunate to have the ear of publishers, let us continue to work with them to develop better information dissemination systems. Perhaps the biggest inroads can be made in discussing with authors the consequences of their publishing materials in very expensive journals ... or of giving up their copy rights to agencies which then charge the producers to simply retrieve their own research.

These and many other exciting issues will be discussed in Montréal. I hope to see many of you there. And I hope to see many people willing to give a little of themselves for the benefit of the organization and the profession. ♪

PAM BULLETIN

The *PAM Bulletin* is published by the Physics-Astronomy-Mathematics Division of the Special Libraries Association. The *Bulletin* is issued four times a year: August, November, February, and May. Articles should be submitted in ascii format if possible to the bulletin editor:

Thurston Miller
University of Notre Dame
Chemistry-Physics Library
Notre Dame, IN 46556
(219) 631-4549
miller.115@nd.edu

DEADLINE FOR NEXT ISSUE July 15, 1995

Subscriptions are free to PAM members and retired PAM members. Non-member subscriptions cost \$9.00 per year. Checks should be made payable to PAM-SLA and sent to the assistant editor:

Irene Laursen
Wellesley College
Science Library
Wellesley, MA 02181-8289
(617) 283-3082
ilaursen@wellesley.edu

NOMINATED!

The Nominating Committee (Deborah Kegel & Janice Jaguszewski) of the SLA-PAM Division is pleased to present to following slate of candidates for Division Offices. The vote to accept the slate will be held at the Annual Business Meeting and Breakfast on Tuesday, June 13, at 7:30am in Montréal.

Chair-Elect: Joanne Goode
Brill Science Library
Miami University, Ohio

Secretary: Robert Seeds
Mathematics Library
Pennsylvania State University

TO SERVE!

ANNUAL REPORT**P-A-M Division
1994-1995**

Respectfully submitted,
David Stern
Chair, PAM Division

I. Staffing

The Editorship of the Bulletin was expanded by creating an Assistant Editor to help with current production as well as to explore the electronic distribution of the contents. Technical specifications need to be determined, as not all portions of the Bulletin can or should be distributed. This exploration continues.

II. Finances

The vendor support for our Division has been excellent as we continue to enhance meaningful dialog and collaboration with many of our vendors and service providers. The sponsorship of some of our Bulletin issues (by firms that do not exhibit at the annual conference) is helping to defray the high postage costs.

The Division needs to create a line-item budget in order to perform strategic planning.

The Division decision to fund the Chair and Chair-Elect travel costs of up to \$200 each does not appear to have created a major financial problem.

The Division gratefully acknowledges the generous donation from SLA for expenses toward the upcoming Libraries and Information Services in Astronomy II (LISA II) meeting this year in Europe.

III. Public Relations

The Division brochure was recognized by all Divisions as an excellent tool and model. Our listserv, new Division World Wide Web (WWW) Home Page, and close collaborative relationships with publishers and societies were admired by the other Division officers at the Winter meeting. Our legal contact with a publisher was briefly mentioned.

IV. Membership

Our official membership has experienced a small growth. Our PAMnet numbers are increasing rapidly, with many non-American subscribers.

V. Issues and Thoughts for the Future

PAM has recruited an international member to be a Committee Chair, in this way endorsing more international cooperation. Our PAMnet listserv continues to see many international nodes and activity demonstrating the efficient and effective sharing of resources. The sister-library plan appears to be helping many FSU libraries to remain aware of current issues and items. The upcoming LISA II meeting to be held in Europe in 1995 is an example of the expanding focus of our Division within SLA.

The Division hopes to expand collaboration with the many societies and vendors with which we have developed mutually beneficial relations. We can already see many long and short-term results from these discussions and explorations.

The Division intends to keep a close eye on the Ginsparg (Los Alamos) pre-print distribution system in order to

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determine the usefulness and practicality of scaling this tool up to a larger portion of PAM endusers. Other electronic distribution mechanisms for both bibliographic and full-text material will be monitored and evaluated.

VI. Conclusion

As the P-A-M Division prepares for its 20th Anniversary, it is fascinating to see how far the information science field has come in helping users find the data they

require. Our Division has consistently been on the leading edge of these developments due to the adoption of our researchers' tools and the proactive behavior of our members. Let us continue to serve our constituents well by accurately determining their needs and applying the most appropriate methodologies. I have no doubt that our members will remain focused and effective, and will continue to lead the library field into the next levels of service.

P-A-M Treasurer's Report

	<u>1994*</u>	<u>1995**</u>
Opening Balance	<u>\$5,187.39</u>	<u>\$5,967.96</u>
Income:		
Allotment from Association	\$1,107.00	\$1,573.80
Bulletin Subscription	\$27.00	-
Interest Income	\$145.10 (estimate)	-
Contributions/Sponsorships	\$2,550.00	\$5,595.00
Reimbursement	\$138.91	-
Total Income	<u>\$3,968.01</u>	<u>\$7,168.80</u>
Available for Expenditure	<u>\$9,155.40</u>	<u>\$13,136.76</u>
Expenditures:		
Bulletin Costs (non-advertising)	\$176.01	\$356.59
Meetings Costs	\$2,686.60	\$1,201.70
Bank Charges	\$1.84	-
Directory	\$322.99	-
LISA II	-	\$1,646.70
Travel for Officers	-	\$400.00
Total Expenditures	<u>\$3,187.44</u>	<u>\$3,604.99</u>
Closing Balance	<u>\$5,967.96</u>	<u>\$9,531.77</u>
Checking Balance	\$3,382.82	
SLA Pooled Fund (Money Market)	\$4,213.84 (estimate)	
Total Account Balances	<u>\$7,596.66</u>	
Liabilities (Conference Fees to SLA)	\$1,201.70	
Reserve Fund (LISA II)	\$1,646.70	

* A summary of the Annual Financial Statement submitted to the Special Libraries Association National Office January, 1995. Treasurer: Robert S. Allen; Auditor: Richard L. Funkhouser. ** Major Financial Transactions Post-January 1, 1995

Report Submitted by: Robert S. Allen

PHYSICS NEWS

Compiled by
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INSPHYS:

NOTE to pre-1995 *Physics Brief* users—
I just noticed in the April 1995 STN Database Summary Sheet updates that the closed file PHYS is called INSPHYS on STN. "INSPHYS covers worldwide literature on all fields of physics, astronomy, astrophysics, and related fields. Special emphasis is given to non-conventional and Eastern European literature. The database contains about 500K citations."

Physical Review Letters online

Physical Review Letters (PRL), devoted to the publication of research reports of unusual importance and of broad interest, will be available online on the 1st of July 1995 through Online Computer Library Center's (OCLC) Electronic Journals Online service.

Physical Review Letters online (PRL-o) will have the same contents as the hardcopy version but will have the added benefits of the online environment: speed, versatility, efficiency, and flexibility.

For more information contact:
membership@aps.org

Los Alamos Electronic Archives

Excerpts from the press release issued at Los Alamos, NM., March 15, 1995:

Los Alamos National Laboratory (LANL) scientists have been awarded more than \$1 million from the National Science Foundation (NSF) for a three-year effort to advance the concept of "elec-

tronic print archives," a form of scientific communication that has already supplanted traditional research journals in some fields of physics. Pioneered by Los Alamos theorist Paul Ginsparg, an electronic print archive provides an interactive repository where researchers can post their latest articles and preprints or search for information from others. "This is a very formal mode of communication in which each entry is archived and indexed for retrieval at later times," Ginsparg said, drawing a distinction from computer bulletin boards or news groups, which he likens more to ordinary conversation.

In 1991, Ginsparg developed an electronic archive specific to his field of high-energy particle theory research. Since then the archive has expanded to include 25 other fields and it now processes more than 45,000 electronic transactions per day and serves some 25,000 users worldwide. The heavy usage demonstrates how electronic archives are changing the way scientific information is exchanged. An e-print archive gets information into the hands of more researchers quicker and for less cost than traditional journals, whose lengthy review and publication schedules dictate that research appears in print long after it was completed.

"Through an e-print archive, communication of research results occurs on a dramatically accelerated time scale and much of the waste of the hard copy distribution system is eliminated," Ginsparg said. Furthermore, "it will always be easier and less expensive to get a computer connected to the Internet than to build, stock and maintain conventional libraries." For example, a storage device that costs around \$700 could hold some 25,000 research papers, making the aver-

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age cost to store a paper less than three cents.

Ginsparg and Rob Hartill, both members of Los Alamos' Elementary Particles and Field Theory Group, along with Mark Doyle, of the field theory group and the LANL Research Library Group, are working on the e-print effort. Also named on the NSF award are Geoffrey West of the Elementary Particles and Field Theory Group, Erica Jen of the Theoretical Division and the Center for Nonlinear Studies and Dave Forslund of the Advanced Computing Laboratory.

At the end of the three-year, NSF-funded effort, the researchers expect to have expanded the database to cover all fields of physics and as many other scientific fields as appropriate. They also expect to further software improvements to facilitate usage by a wider network of researchers. "The NSF award was made to help support professional maintenance, stabilization documentation and portabilization of the present e-print archive, as well as to assist with future development and evolution of new fea-

tures requested by the scientific community," said Richard Isaacson, NSF program director for gravitational physics.

NOTE: World Wide Web access to the e-print archives is available at <http://xxx.lanl.gov/>

SELF-STUDY WORKBOOKS

SLA'S NEWEST

- 1 "Getting Started on the Internet"
- 2 "Money Talk: Accounting Fundamentals for Special Libraries"
- 3 "Communicating With Library Users"

For more information, contact SLA's Professional Development Department at (202) 234-4700, ext. 649.

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PAMNET NEWS

Compiled by
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New Journal of Electronic Publishing

The University of Michigan Press announces the creation of the *Journal of Electronic Publishing on World Wide Web*. The URL of the journal is <http://www.press.umich.edu/jep>. Send comments, ideas and papers to Colin Day (colinday@umich.edu) or Lorrie LeJune (lorrie@umich.edu).

Preprints

Rob Atkinson is compiling a list of institutions and organizations issuing preprints in electronic form. You may contact him at atkinson@fnlib.fnal.gov.

Computer Science Bibliographies
Cynthia Holt has compiled this list:

Anderson, Nancy D. and Pausch, Lois M. 1993. *A guide to Library Service in Mathematics*. JAI Press.

Computing Information Directory, 11th edition 1994. Published by Computing Information Directory, Pullman, WA

Steen, Lynn Arthur. 1992. *Library Recommendations for Undergraduate Mathematics*. Mathematical Association of America.

INSPEC

INSPEC on SilverPlatter is available as a hard disc service on an annual subscription basis which allows unlimited usage. A choice of backfile is available from 1969. INSPEC is not yet available on the

Internet except on a paying trial basis to invited academic sites. Further information may be obtained by contacting INSPEC2iee.org.uk or INSPEC@iee.org.

Continuing Education Resource

Cromer, Donna E. and Andrea R. Testi. 1994. "Integrated Continuing Education for Reference Librarians." *RSR* 22(4): 51-58, 80.

Library Oriented Lists & Electronic Serials

An updated list for January 1995 is available by e-mail: Send the following e-mail message to listserv@uhupvml.uf.edu GET LIBRARY LISTS F=mail. Do not include any other text in the message. For more information contact Ann Thornton (AThornton@uh.edu).

Recycling Disks

You may recycle your old compact discs by sending them to Digital Audio Disc Corporation. Please mark packages "Clean" (packages containing CD's, jewel cases, and/or jewel case trays) or "Dirty" (packages containing any shrinkwrap or caddies) and ship to: Digital Audio Disc Corporation, Attn: Disc Recycling Program, 1800 North Fruitridge Avenue, Terre Haute, IN 47804-1788.

Ask The Librarians

There is a short letter to the editor in *Wall Street Journal*, April 12, 1995, by David Bender (Executive Director of SLA) titled "Ask the Librarians!" "We Fired Them, Sir." David says companies that eliminate their librarians and let employees do their own online searches are in for a surprise....increased costs. He sums up what we all are finding out....that "there is a difference between being computer-

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literate and being information-literate."

OCLC NetFIRST

OCLC will produce NetFirst, a comprehensive database of Internet-accessible resources that will be a practical, easy-to-use tool for Internet exploration and discovery. It will contain bibliographic citations, complete with summary descriptions and subject headings, describing resources including World Wide Web pages, interest groups, library catalogs, FTP sites, Internet services, Gopher servers, electronic journals, and newsletters. Records will also contain location information that can be used to connect users to resources of interest.

Science & Engineering Network News

A new online or print newsletter "Science and Engineering Network News" is offering their first issue free. Phone (508) 755-5242, e-mail senn@world.std.com, or mail Solioquess Communications, 49 Midgley Lane, Worcester, MA 01604.

Electronic vs Paper Preprints

Pay Guloff has compiled a summary of comments received from Pamnetters about preprints. Contact Pat at Physics/Optics/Astronomy Library, University of Rochester, Rochester, New York 14627 or by e-mail to sulouff@urhep.pas.rochester.edu

Electronic Publishing Conference

Electronic Publishing and the Information Superhighway: Enabling Technologies, Issues, Applications is a conference to be held May 30-June 2, 1995, in Boston, Massachusetts. The conference home page is <http://www.cs.dartmouth.edu/~daga/homepage.html>

Report of Roundtable

Martha Tucker notes a report on the roundtable discussion on math libraries, in volume 3, pages 397-430, in First European Congress of Mathematics. Basel, Boston: Birkhauser, 1994.

Current Awareness Databases

Jody Kempf and Janice Jaquzewski have published an article comparing four current awareness databases for currency and coverage in the mathematical and chemical sciences: "Four Current Awareness Databases: Coverage and Currency Compared" *Database* Feb/March, 1995.

Two "Best Picks" on WWW

A multimedia effort that is large and impressive in presentation and content, "The Nine Planets" is a tour of the solar system with pictures, sounds, and text at <http://seds.lpl.arizona.edu/nineplanets/nineplanets/nineplanets.html>. A second site is produced by NASA and is called "Welcome to the Planets", and is available at <http://stardust.jpl.nasa.gov/planets/>

Index to Art's Catalog

Judy Bausch reports there is a LaTeX source for an index to Art's Catalog of Galaxies at: <http://astro.uchicago.edu/Preprints.html>

PAM Homepage Updated

There have been several updates and additions to the PAM WWW Homepage, including links to the databases mentioned in the two articles above. The homepage is available at: <http://galileo.ifa.hawaii.edu/pamnet/pamnet.html> and is maintained by Kathleen Robertson.

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Astrophysical Letters Electronic

The American Astronomical Society (AAS) has mounted a prototype of the *Astrophysical Letters*, with full electronic production scheduled for fall. The Universal Resource Locator (URL) for the journal is <http://blackhole.aas.org/Epubs/eapjl/eapjl.html>

APS E-Print Archive Workshop

The transcript from the APS E-Print Archive Workshop is now accessible from the APS homepage. The URL is <http://aps.org/>. Choose "Journals Information" link followed by the "Transcript of Talks given at the APS E-Print Archive Workshop" link.


Internet Public Library

The University of Michigan School of Information and Library Studies has created an Internet Public Library (IPL), an innovative, online, 24-hour public library. Use it at <http://ipl.sils.umich.edu/>. For further information you may e-mail ipl.comm@umich.edu.

Tour to Ottawa

Patricia Horne sends an announcement for a late-breaking tour that did not make the preliminary conference program. The day includes a visit to CISTI, and will take place on June 15th, for \$15. To reserve a place e-mail pattyh@cs.cmu.edu, or phone (412) 268-6107.

Death of Susan George

With sorrow, we wish to inform PAM members of the unexpected death of Susan George, Physical Sciences Librarian at Dartmouth College for the past ten years. 

COMPUTER SCIENCE NEWS

Compiled by
Deborah Kegel
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Montreal Computer Science Roundtable

PAM is hosting the annual Computer Literature Roundtable on Wednesday, June 13th, from 1:30 - 2:45 pm. Please suggest topics for this lively forum by contacting me on e-mail (kegel@gort.ucsd.edu) or phone (619) 534-1215. Are you interesting in the Association for Computing Machinery (ACM) Electronic Publishing Plan and what the Digital Library means for your library users? What is Institute of Electrical and Electronics Engineers (IEEE) doing in the area of electronic publishing? How is the UC-IEEE project faring?

Send me your ideas for what you'd like to discuss or hear presented. The Computer Literature Roundtable is co-sponsored with the Science-Technology Division.

ACM & Digital Libraries

The entire April 1995 issue of *Communications of the ACM* is on "Digital Libraries". An interesting column on copyright

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Special Libraries Association assumes no responsibility for the statements and opinions advanced by contributors to the Association's publications. Editorial views do not necessarily represent the position of Special Libraries Association. Acceptance of an advertisement does not imply endorsement of the product by Special Libraries Association.

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appears on p.15 with some provocative thoughts on the role of traditional libraries and publishers in this new world. Three articles in the last half (beginning on page 67) cover teaching, electronic journals and comparing digital libraries & publishing to their traditional entities. Various digital library initiatives and projects are also covered in separate articles, many illustrated with colored pictures & graphics. The ACM Electronic

Publishing Plan (outlined at last year's Future of Mathematics Communications workshop) is also included along with ACM Copyright policies (also available electronically from ACM's World Wide Web (WWW) site). Specialty brief articles on WWW and technical reports in computer science include http addresses. This issue contains numerous bibliographic references to print and WWW sites and will provide much food for thought. ☺

MATHEMATICS NEWS

Compiled by
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Math Research & Employment

The future of mathematics research and the state of the employment market for mathematicians has been a topic of much interest lately. Articles in the popular press have brought public attention to the dilemma, and *Notices of the AMS* is devoting much attention to this issue.

February, v.42 (2)

"From the Editor", by Stephen G. Krantz, p.218

"One idea ...was that mathematics graduate programs might evolve into a form in which students could choose among several career paths: academic, industrial, government, and so on. Ideally, all options would be seen to have equal merit. Students choosing the nonacademic track should not be labeled as 'substandard'."

Letters to the Editor, p.220 "Ph.D. Production and the Current Job Market"

From the AMS: 1994 Reports of the AMS Policy Committees, p.267 "Commit-

tee on the Profession" — see section on employment.

March, v.42(3)

Communications: "Ed David on the Future of Research Support", p.351

An edited version of remarks made by Ed David to the AMS Committee on Science Policy at its meeting in September 1994.

Commentary: Letters to the Editor, p.327 "Allocation of Resources at US Universities" Letter from Alessandro Figa-Talamanca

April, v.42(4), p. 439

"An Interview with Fred Wan" The former director of the Division of Mathematical Sciences at the NSF reviews current trends in research funding.

May, v.42(5)

Communications: "The Young Mathematicians' Network Continues to Thrive"

Forum: "Another View of the Current Tough Job Market" and "Response"

"Access & Archiving in the Electronic Age"

Report by Mary Ann Southern & Dorothy McGarry

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The American Mathematical Society's (AMS) Library Committee sponsored a panel discussion on "Access and Archiving in the Electronic Age" at the Joint Mathematics Meetings held in San Francisco, January 6, 1995. The panel was moderated by Dr. James Rovnyak, University of Virginia, co-chair of the Library Committee.

Dr. Donald A. Babbitt, Publisher of the AMS, began the discussion by asking the questions why, who, and what should be involved in archiving electronic mathematical research journals. The why is "for the same reason paper journals are archived, i.e., to make the articles in the journal available in perpetuity to future mathematicians," and "to attract authors who feel their work should be available in perpetuity." The question of who will do the archiving presents several possibilities since "an archivist would be expected to be in existence for the foreseeable future: the publisher of the journal?, a designated set of libraries?, the American Mathematical Society?, other mathematical societies?, the Library of Congress?, a combination?" or other? Archiving will cost money, and publishers of free e-journals may not be able to pay the cost of archiving them. The question of what an e-journal archive should provide was answered with a number of points and questions: "Accessible online? All papers accessible or only most recent? Accessible only through document delivery? Functionality? Security (Integrity)? Immutable? Limited or uncontrolled access? Migration to future platforms? Dr. Babbitt ended his comments by recommending the article "Ensuring the longevity of digital documents," by Jeff Rothenberg, which appeared in *Scientific American*, v. 272, no. 1, January 1995, p. 42-47.

Dr. David J. Larner, Head of the Science and Technology Division of Kluwer Academic Publishers, represented the commercial publishers' views. He said that "publishing is not just concerned with distributing material produced by authors," but that "it is a professional, well-organized, creative process. It is not just about content - it is also about the way information is presented and made accessible." He stated that "at the heart of publishing is scholarly integrity, which must remain fundamental to all scholarly publishing irrespective of the medium involved."

Dr. Larner said that "librarians provide efficient access to information, teaching navigation, organizing and managing collections in a structured way, and provide support education. This role will become even more important in the future."

He stated that one of the biggest challenges we face is to turn information into structured knowledge. "The end user will expect value, ease of access, organization and the assurance of quality ... End-users are not going to be well served by being confronted by a mass of unstructured information of unknown quality."

"Electronic publishing will require a lot more added value than is the case with conventional publishing. Authors will be concerned that the originality and authenticity of their work is unambiguously established and protected."

Dr. Larner said that Kluwer is working to develop an electronic publishing platform where it will be trying to provide organization, quality control, authenticity and service. It must provide easy gateways and navigation tools, and must find out what a potential shopper wants. It

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will consult librarians for their advice. What is published electronically will be archived, but it is not yet known where.


Next to speak was Dr. Herbert S. Wilf, University of Pennsylvania. He is the publisher of the *Electronic journal of combinatorics* which is a refereed journal on the Web. He asked and answered the question "Why should mathematicians publish in an electronic journal?" The primary reason is that the author retains the copyright (except that the journal can do with the article as it wants). Refereeing is no faster, but communication is faster. When a paper is accepted, it will go out quickly. Also, it is possible that if a bibliography is attached to the paper, some of the items may be on the Internet themselves, and hypertext could be used to get to them. One can therefore trace through the history of an idea.

The question of archiving may be the reason not to publish electronically. Dr. Wilf is dealing with the archiving issue by providing two mirror sites for his journal. The data at the mirror sites will be identical with that at the master site at Georgia Tech. He is also soliciting other mirror sites. Also, if the Math Reviews (MR) office in Ann Arbor puts all electronic articles on its hard disk, access could be through MR. He is also considering selling paper backfiles after a few years to solve long-term archiving needs. The electronic version could be kept up-to-date, with the paper version provided later at very low cost for libraries.

The fourth speaker was Dr. Richard A. Askey, University of Wisconsin—Madison. He said that archiving and retrieval of information has been a serious problem all along. Information has disappeared in the past, e.g. with formulas published in

journals and not found for years. He spoke about the value of the older literature and how he hopes that electronic access will make long-term access easier. Of concern, however, is the rapid change in technologies. Some programs that were written not many years ago cannot still be run on the computers of today. There is a much longer time scale than people involved with computers are aware of. We must be able to access information from the past. Changes come with computers we don't anticipate, e.g. a meeting videotaped on an Ampex system some years ago is not accessible because there are no recorders that can play it now.

Carol Hutchins, Librarian of the Courant Institute, ended the presentation with some comments and a number of questions. She spoke about the infrastructure needed, with content on paper vs. digital content, hypertext links, difference in storage, equipment, etc. She talked about the need for preservation and long-term survivability. Will storage be a local site, or remote via the network? If a local site, on what machine, and managed by what group? She asked if the case has been made on campuses to administrators and others that mathematics literature and mathematicians have special needs. The tradition of library cooperation is being restructured and realigned with new partners and players. The library management must take an integrated view of older material and new forms. Should there be an effort similar to the Mathematical Education Reform Network to prevent isolated solutions? Her parting question to the mathematicians was: what would they like to see librarians stop doing?

A spirited question and answer session followed the presentations. 

ASTRONOMY NEWS

Compiled by
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L'Astronomie Tissa Sa Toile

Astronomy weaves its web...

The first international meeting devoted to the use of the World Wide Web within the astronomical community was held 6-7 April 1995 at the Strasbourg Observatory in France. Organized by Daniel Egret and Andre Heck, it was attended by some one hundred information specialists from twelve different countries.

Jane Holmquist of Princeton University and Andrea Balestra of the Osservatorio Astronomico Trieste presented papers describing library services and the Web.

Heather Dalterio discussed the American Astronomical Society's progress in constructing the electronic version of *Astrophysical Journal Letters* (ApJ Letters) (which is slated for full production in September 1995).

Alberto Accomazzi of the Center for Astrophysics, Cambridge, described the Astrophysics Data System Abstract and Article Services. (The latter now provides full-text papers of the ApJ Letters from 1975 to date.)

Karen Strom, an astronomer from the Five College Astronomy Department described the Star Formation Group's electronic publishing and data distribution activities on the Web.

Several other papers and posters were provided on a wide range of topics (for more details, see URL <http://cdsweb.u-strasbg.fr/waw.html>).

The proceedings of the conference will be published in a future issue of *Vistas in Astronomy*.

Missing Mercury

Ellen Bouton of NRAO reports that, according to the Astronomical Society of the Pacific, there will be no November/December 1994 issue of the journal *Mercury*...issue 5 (September/October) was the last issue of volume 23.

The Multi-Lingual Supplement to the Astronomy Thesaurus

To complement the new *Astronomy Thesaurus* (published in October 1993) the *Multi-Lingual Supplement* (ML-TREX) is now available. Hard copies have been sent out on a limited distribution basis since funding has not been made available for a larger publication run. A few copies will be available at LISA II.

Please send your comments to either the compilers or the translators, we will be interested to know if you find this resource useful. If any librarians from countries other than those already included in the multi-lingual supplement are interested in translating the primary terms into their own language, we would be interested to hear from them Contact:

Robyn Shobbrook - Librarian
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P O Box 296 EPPING. NSW 2121
AUSTRALIA
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Phone:61-2-372-4814
Fax:61-2-372-4880

To obtain news about the thesaurus updates or new versions you can access the Anglo-Australian Observatory home page via the following address using Mosaic:

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URL: <http://www.aao.gov.au/> or
<http://aaoepp.aao.gov.au>

An ftp version can be obtained via the following address:

[ftp aaoepp.aao.gov.au](ftp:aaoepp.aao.gov.au)

IAU-Commission-5 Publications

We are writing you as members of the Task Group on Astronomical Designations of IAU Commission 5 to inform you of two new documents. The first is *How to refer to a source or designate a new one*. And the second is *IAU Recommendations for Nomenclature*.

The two documents can be found at two different World Wide Web sites. The Universal Resource Locator (URL) addresses are:

1. <http://cdsweb.u-strasbg.fr/iau-spec.html>
2. <http://www.lsw.uni-heidelberg.de/iau.html>

The Task Group requests your assistance in informing colleagues of these documents by an announcement at local colloquia, symposia and any informal discussion groups.

Note that these documents are also

available in ascii, latex, or dvi format by anonymous ftp from the internet node: [cdsarc/u-strasbg.fr](ftp://cdsarc.u-strasbg.fr) or you may request us to send them directly to you by email or regular mail.

We appreciate your cooperation in this matter and if you have any questions or have run into problems regarding astronomical nomenclature (outside the solar system), please feel free to contact us.

On behalf of the IAU Commission 5 - Task Group on Designations

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MEMBERSHIP NEWS

Mary DeCarlo
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Special Libraries Association, Physics-Astronomy-Mathematics Division has 190 members.

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Berkeley, CA 94703

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Publications

Judy Matthews published a chapter, "Mining the Internet: A Librarian's Perspective" in *The Internet For Everyone: A Guide for Users and Providers*, by Richard W. Wiggins (McGraw-Hill, 1995), and an article, "Internet World '94: Growing and Growing" in the March 1995 issue of *Searcher: The Magazine for Database Professionals*. ✍️

PAMnet COMMUNITY

Joanne Good
goodejm@muohio.edu

The PAMnet Community - Who We are!

PAMnet, as of April 14, 1995, has 392 subscribers.

As the PAMnet owner I thought it might be interesting to look at subscriber statistics to get a sense of the PAMnet community.

Subscriber Statistics by country.

Argentina	1
Australia	16
Canada	23
Denmark	1
Estonia	1
Finland	1
France	8
Germany	5
Greece	1
Hong Kong	1
Hungary	1
India	3
Israel	1
Italy	6
Japan	1
Mexico	2
Netherlands	3
Papua New Guinea	1
Poland	1
New Zealand	1
Slovakia	1
Spain	3
United Kingdom	4
United States	302

Within the United States, the Subscriber Statistics by type are:

.com	41
.edu or Bitnet sites	207
.gov	24
.mil	9
.org	18
other	3


In December of 1994, SLA-PAM (alias PAMnet) was moved from the University of Kentucky to Miami University (Oxford, Ohio).

To subscribe to PAMnet, send the following command, as the only line in a mail message, to

listserv@listserv.lib.muohio.edu

subscribe sla-pam (first name last name)

To post messages to PAMnet, send mail to sla-pam@listserv.lib.muohio.edu

If you have any questions or problems using PAMnet, I can be contacted at goodejm@muohio.edu. 

SPECIALINE 

SLA's Telephone Jobline
(202) 234-3632

- Listen to Employment Opportunities
- Place Job Announcements

For information, contact the
Professional Development Department
at (202) 234-4700, ext. 649

Montreál (1995) COMPLETE SCHEDULE

Special Libraries Association Physics-Astronomy-Mathematics (PAM) Division

Saturday June 10

- 2:00 - 6:00 Montreal Planners (D. Stern)
6:30? - informal dinner (contact Nancy Anderson)

Sunday June 11

- 9:00 - 1:00 DACOLT (D. Fortner)
10:30 - 11:00 Welcome for first-time PAM attendees
11:00 - 11:45 PAM-wide roundtable
12:00 - 1:15 Montreal Planners (D. Stern)
1:00 - 2:00 Bulletin Editors Workshop
1:00 - 2:00 Membership Chairs Workshop
1:00 - 2:00 Professional Devlt Officer Workshop
1:30 - 3:00 Boston Planners (D. Fortner)
1:30 - 3:00 First-Time Attendees Reception (SLA-wide program)
3:00 - 4:30 Vendor update
4:30 - 6:00 Board meeting
9:00 - 11:00 Open House - Le Centre Sheraton

Monday June 12

- 7:30 - 8:45 *Sci-Tech Business meeting*
9:00 - 10:15 *SLA general session I*
10:30 - 11:45 Physics roundtable (Donna Cromer)
12:00 - 1:15 Boston Planners (D. Fortner)
1:30 - 2:45 Astronomy roundtable (Antoinette Beiser)
3:00 - 4:15 NRL/LANL/APS electronic publishing update (co-sponsor with Military Div.; P. Yorks)
9:00 - 11:00 Open House - Le Centre Sheraton

Tuesday June 13

- 7:30 - 8:45 Business meeting
9:00 - 10:15 *SLA general session II*
10:30 - 12:00 INTERNET NAVIGATOR/COLLABORATOR SESSION (PAM co-sponsor)
1:30 - 2:45 Computer Literature roundtable (co-sponsor with Sci-Tech Div.; D. Kegel)
5:30 - ? Division Cabinet (D. Stern, D. Fortner)
7:30 - 10:00 Anniversary Party <online WWW demos>

Wednesday June 14

- 9:00 - 11:30 *SLA Business meeting*
11:30 - 12:45 Board meeting
1:00 - 2:15 Math roundtable (Janice Jaguszewski)
4:00 - 5:00 Montreal Planners (D. Stern)
4:00 - 5:30 Boston Planners (D. Fortner)

Please take time in Montréal to thank
the following organizations and publishers
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at the 86th annual conference.

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