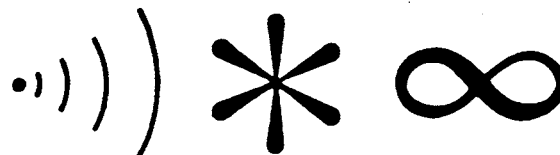


**p·a·m**

physics astronomy math



## P-A-M BULLETIN

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### MESSAGE FROM THE CHAIR

Carol Hutchins, our immediate past chair, put together a wonderful meeting in Cincinnati, complete with a Sun workstation in the division suite for demos and hands-on exploration of a number of databases and projects in PAM's subject area. We had a very successful vendor update program, as well as our usual excellent subject area roundtables; summaries of the roundtables appear in the Physics, Astronomy, and Mathematics News sections. Many thanks to Carol, to all our meeting moderators, and to John Tebo who ran a very hospitable hospitality suite. PAM had 77 of its 179 members in attendance, a higher percentage than that of overall SLA attendance and that of many other divisions. Clearly, PAM members find the conferences valuable!

I'm already planning for the Atlanta meeting -- Atlanta planners met twice in Cincinnati. In our annual PAM business meeting, members present expressed a clear wish to have some programming on Sunday: even though the "official" conference start is Monday morning, most PAM attendees arrive on Saturday to take advantage of the cheaper air fares. I am currently planning to schedule the vendor update on Sunday (exhibits open Sunday so vendors will also be there), as well as a PAM-wide roundtable to give us some time to discuss issues and questions of interest to the entire group. A number of people felt the subject roundtables were too short, so I am trying to figure out a way to allow more time for them. I will share more details of the Atlanta meeting as the program evolves.

A Cincinnati highlight was the unveiling of our new PAMphlet, an absolutely gorgeous color

pamphlet describing PAM, for use in recruiting new members, soliciting vendor support, etc. The PAMphlet is the product of our Public Relations Committee (Liz Bryson, chair, with Pam Enrici and Heidi Mercado), who conferred across multiple time zones, did the mock-up in Hawaii, and the printing in Minnesota. It got rave reviews at our business meeting, and also at a session on public relations during Sunday's DACOLT, an SLA-wide training meeting for Division and Cabinet chairs and chair-elects. A copy of the PAMphlet will be mailed with your *Membership Directory* in August. A special congratulations to Liz, Pam, and Heidi for a spectacular job!

We talked quite a bit in Cincinnati--in our business meeting, in board meetings, and in informal discussions among members--about ways to involve and include PAM members who do not come to meetings. A new Professional Development Committee, chaired by Carol Hutchins, with members Pam Yorks and Mary DeCarlo, will be considering ways in which PAM can better meet the needs of all our

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## Chair's Message Cont'd

members, new and long-time, conference attendees and not. Please contact Carol, Pam, or Mary with your ideas or concerns.

Someone also raised a concern that those who do not subscribe to PAMnet may be missing the information that appears there. A quick count at the meeting showed that 92 of our 179 members are on PAMnet, slightly over 50%. Although no one thought that the *Bulletin* should duplicate PAMnet, we did feel that some of the useful subject-specific items appearing on PAMnet should be selected for inclusion in the *Bulletin* by the person responsible for a particular subject area. In addition, other important general news items should also be added, although it is not the responsibility of the *Bulletin* Editor to gather them. So we now have a PAMnet Monitor, Alice Primack, who will compile PAMnet messages of more lasting interest for each *Bulletin* issue.

A list of the PAM officers and committee members is presented on page 3. Feel free to contact me or any of the other officers or committee people with your questions and concerns. And if you would like to work on any of these committees, please let me know.

PAM is a small division, but we are leaders in many areas. Our PAMphlet, our PAMnet and Astrolib listservs, and our international focus and activities have all been cited as examples for other divisions and for SLA. The expertise of our membership in using electronic tools and information also puts us at the leading edge of our profession. We can be proud of who we are and where we are, and look forward to a year of excitement, growth, and change.

Ellen Bouton  
NRAO

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## ACCESSING PAMnet

PAMnet is a listserv discussion group for librarians and information specialists working in the areas of physics, astronomy, and mathematics. It was originally set up for the members of the PAM Division of SLA, but membership in either of those groups is not a requirement for signing on.

Below are instructions for signing on to PAMnet. Because local systems/setup vary, you may need to check with your computing center if one of these methods does not work for you. These directions should work for users on VM systems.

To subscribe from a Bitnet node:  
tell listserv@ukcc sub sla-pam (your name)

To subscribe from an Internet node:  
mail listserv@ukcc.uky.edu

In the body of the message type:  
sub sla-pam (your name)

You may post questions or messages on SLA-PAM by sending mail to sla-pam@ukcc (or sla-pam@ukcc.uky.edu) as you would to an individual. The listserv then automatically distributes your message to everyone on the SLA-PAM Listserv.

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## P-A-M BULLETIN

The *P-A-M 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 by the announced deadline of the next issue.

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

Janice Griggs, Head  
Mathematics Library  
310 Vincent Hall  
University of Minnesota  
Minneapolis, MN 55455  
(612) 624-9395  
griggs@math.umn.edu

**DEADLINE FOR NEXT ISSUE  
OCTOBER 15, 1993**

**PAM ANNUAL BUSINESS MEETING**

June 8, 1993

1. Carol Hutchins, Chair, thanked the American Mathematical Society for funding the breakfast meeting.
2. Billie Connor was introduced as the SLA Board proctor.
3. David Stern, Secretary, read a short summary of last year's minutes and a summary of the Executive Committee minutes from June 7, 1993.
4. Joanne Goode, Chair of the Nominating Committee, read the slate of new officers: Chair-Elect, David Stern; Secretary, Pam Enrici.
5. Martha Tucker, Treasurer, read the financial report: As of 5/31/93, PAM had \$5980.39 in checking and \$2508.04 in a money market for a total balance of \$8488.43. Expenses between 12/31/92 and 5/31/93 were \$1489.43 and included costs for the *Bulletin*, the *Directory*, and the new Pam brochure. Income during this period totaled \$4957.25 and included the annual SLA allotment, interest on the money market, *Bulletin* subscriptions, and publisher donations.
6. The Awards Committee (Karen Andrews, Chair; Cathaleen Van Atta; and Mary Ann Southern) announced the presentation of the PAM Award to Dr. Heinz Barschall for his studies of the

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**PAM Officers and Committees  
1993-1994**Chair

Ellen Bouton

Chair-Elect

David Stern

Past-Chair

Carol Hutchins

Treasurer

Martha Tucker

Secretary

Pam Enrici

Archives

Jack Weigel

Awards

Cathy Van Atta, Chair

Jack Weigel

Richard Funkhouser

Bulletin Editor

Janice Griggs

Government RelationsDorothy Manderscheid,  
ChairHospitality

Marlene Tebo, Chair

Suzanne Bell

International Relations

Nancy Anderson, Chair

Brenda Corbin

Dorothy McGarry

Uta Michold

Liaison to AASPublications Board

Marlene Cummins

Liaison to SLACataloging Committee

Mary Ann Southern

Networking

Joanne Goode, Chair

Kathleen Robertson

Membership

Betty Fridena, Chair

Deborah Kegel

Mary DeCarlo

PAMnet Monitorfor Bulletin

Alice Primack

ProfessionalDevelopment

Carol Hutchins, Chair

Mary DeCarlo

Pam Yorks

Procedures Manual

Marlene Cummins

Public Relations

Liz Bryson, Chair

Pam Enrici

Heidi Mercado

Strategic Planning

Helen Knudsen, Chair

ULAS2Sarah Stevens-Rayburn,  
Chair

Judy Bausch

## Annual Business Meeting Cont'd

pricing practices of publishers, for the development of a new methodology for these studies, and for his contribution toward the exchange of information in the areas of physics, astronomy, and mathematics librarianship. Cathleen read the presentation speech for Mary Ann, who had written it but could not attend.

7. Jack Weigel, Archivist, highlighted some of the many contributions of the late Allen D. Wynne, one of the founders of the PAM Division and the first *Bulletin* Editor.

8. Liz Bryson, Chair of the Public Relations Committee (which also includes Heidi Mercado and Pam Enrici), presented the new PAMphlet, the PAM promotional brochure.

9. Ellen Bouton, Chair-Elect, discussed some aspects of scheduling for the next SLA Annual Meeting in Atlanta. The group responded positively to repeating the business meeting as a breakfast. There was a call for informal Sunday meetings, including a special attempt to meet and welcome first-time attendees. The conference hotels will be the Marriot and the Hilton. In addition to the usual roundtable sessions, tentative sessions of interest include integrated data delivery (on Monday afternoon, co-sponsored by PAM) and electronic journals (on Tuesday afternoon).

10. Ellen opened a discussion of possible term length guidelines for committee chairs (other than the special cases of the Awards and Nominating Committees and any task-specific committees). These guidelines were thought to be of help in recruiting officers. A lively discussion followed. It was stated that chairs should not be limited to a single year because goals and projects often take longer to research and complete. We agreed that two years was a reasonable time to ask people to serve as chairs of standing

committees when recruiting, but we did not want to set formal guidelines on the length of terms.

11. Sarah Stevens-Rayburn (speaking for Judy Bausch) stated that the *Union List of Astronomy Serials II* (ULAS II) will be completed this summer, and that the goal will be to make this file available via anonymous ftp -- PAM's first electronic publication! Assuming this ftp distribution mechanism is successful, procedures for producing and distributing the small number of paper copies still required (for nonelectronic organizations) will be developed.

12. Ellen Bouton stated that the *PAM Membership Directory* will be distributed in late August now in order to include more accurate and current information.

13. Nancy Anderson, Chair of the International Relations Committee (which also includes Dorothy McGarry, Brenda Corbin, and Uta Michold), stated that she was aware of the astronomy group's excellent efforts in this area, and those of math librarians, but needs more suggestions from and information on the activities of physics librarians.

14. Joanne Goode, PAMnet administrator, stated that she will be turning over control of PAMnet to others at her university. The total number of subscribers is 244, double that of last year. PAMnet includes many international subscribers, representing Canada, Australia, India, France, Italy, Germany, Hong Kong, and the United Kingdom. Joanne guessed that about 50% of those on PAMnet are not PAM members. Dorothy McGarry agreed to compare the *PAM Directory* and PAMnet lists and determine the number of (a) non-PAM members and (b) those PAM members not on the PAMnet system.

15. Concern was expressed that not all the important information distributed via PAMnet was making it into the *PAM*

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## Annual Business Meeting Cont'd

*Bulletin*, the official (and for many people the only) means of division-wide communication. In addition to reemphasizing that the roundtable moderators are responsible for their representative news sections in the *Bulletin* for the following year, the establishment of a PAMnet monitor was proposed.

16. Ellen Bouton stated that the Astrolib e-mail list now has 128 subscribers, from 23 countries, with greater than 50% from outside the United States.

17. Carol Hutchins stated that 77 of the 179 PAM members attended the Annual Conference...an excellent turnout. Also, the PAM Division has kept pace with SLA's general growth.

David Stern, Secretary  
University of Illinois

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## ASTRONOMY NEWS

### *Astronomy Roundtable*

June 1993

Donna Coletti, Moderator

The following is a brief review of the Astronomy roundtable.

Astrophysics Data System. Carolyn Stern-Grant (Harvard-Smithsonian Center for Astrophysics) reported that the ADS (Astrophysics Data System) is a free service providing an interface that allows its users to access 195 astronomical catalogs; data files including images, spectra, and time series; a graphical interface to NED; SIMBAD; HEASARC Browse; the NSSDC's Online Data and Information System (NODIS); and a database of astronomy and astrophysics abstracts compiled by NASA/STI. About 125,000 abstracts dating back to 1975 are currently available. The abstracts may be searched by author, keywords, date, and title.

To access the ADS users need either a workstation (Sun SPARC family) or a PC with an SVGA monitor running X-windows and an internet address.

Although it is a bit more complicated to connect via a PC, it is not impossible.

Thanks to the cooperation of members of the Physics Department at the University of Cincinnati, who provided the use of a Sun workstation and a computer guru, along with the tenacity and hard work of Carol Hutchins, conference attendees were provided with a hands-on demonstration of the ADS in the PAM Division suite on Monday evening during the SLA Conference.

For further information about the ADS contact Carolyn at Stern@cfa.harvard.edu.

International Connections. Uta Michold (ESO Library) discussed the concerns of European librarians, which are, not surprisingly, very similar to those of librarians worldwide: the challenge of changing from a noncomputer environment to one that is computerized and the problems of handling new technologies. Uta also mentioned the lack of support from professional organizations for assistance with the Internet, a situation we hope will improve now that she is a member of SLA.

FSU Cooperative Agreement. Brenda Corbin (USNO) and Ellen Bouton (NRAO) reported on this topic. Of the 38 former USSR institutions sent surveys asking if they would like to receive copies of the tables of contents of selected astronomy journals, 17 responded, were very appreciative, and participated in establishing exchange partnerships. However, Brenda and Ellen have not yet heard from many of the institutions and they recommend patience. Communication is very difficult, and fax and e-mail for many of these former USSR institutions

Continued on page 6

Astronomy News Cont'd

are either nonexistent or unreliable. Apparently some institutions must pay to receive e-mail. Consequently, e-mail messages should be kept very brief.

LISA II (Library and Information Sciences in Astronomy II). Brenda Corbin and Ellen Bouton reported that the IAU has denied permission for a LISA II meeting in The Hague when the IAU convenes in 1994. Instead, the next LISA meeting is now proposed for Spring 1995 with the cooperation of the IAU. Many librarians from around the world have expressed interest in attending, and SLA will most likely provide support as well.

ULAS (Union List of Astronomy Serials) Update. Brenda Corbin reported for Judy Bausch that the union list is currently being edited and should be finished soon. A proposal to make the completed list available via ftp is being considered.

STELAR (Study of Electronic Literature for Astronomical Research). Pete Banholzer (Goddard Space Flight Center) noted that progress on STELAR has been slow. The principals involved hope to involve the user community. RECON abstracts will be used and the project will be available through WAIS. A questionnaire is being developed to evaluate the use of bitmapped images. For more information about STELAR contact: stelar-info@hypatia.gsfc.nasa.gov.

Astronomy and Astrophysics Abstracts in Phys Update. Dave Stern (University of Illinois) stated that new and current information is being added to the Phys database, which appears to be more current than in the past.

Canceled Journals List. Dave Stern's list of canceled journals includes unique titles only. He is uncertain whether Judy Bausch is updating the ULAS to reflect the titles canceled by each institution.

T-REX (Astronomy Thesaurus). The International Astronomical Union has given a grant of 5000 SF for the publication of T-REX. Although advance copies have been sent to the IAU and to librarians, an actual publication date for the revised version has not yet been set. The hardcopy edition will be accompanied by a diskette version for those wanting the work online. In addition, a multilingual supplement to the main English edition is being developed. If you are not currently on the AAO mailing list for their Newsletter, Annual Reports, and preprints, please send your request for a copy of the thesaurus to lib@aaopp.oz.au or fax it to 61 2 876 8536 or 61 2 876 8542.

Newsletters. Stymied about which newsletters to keep? Toss? Catalog? Cathy Van Atta (Kitt Peak National Observatory) will survey librarians about these issues, tally responses, and share her results with the rest of us. Please give this issue some thought and respond to Cathy's questionnaire.

CD-ROMs...How Do Others Handle Them? Kathleen Robertson (Institute of Astronomy, University of Hawaii) distributed a handout that included the following references to articles on CD-ROMs via LANs:

Atkison, RD, and Yokley, JR. Multiplatform CD-ROM networking, *CD-ROM Professional*, pp. 73-81, May 1993.

Breeding, Marshal. "Library LANs: Case studies in practice and application. Part Two. CD-ROM Networks," pp. 76-172, Meckler Publishing, 1992.

Desmarais, Norman, Ed. "CD-ROM Local Area Networks: A User's Guide," Meckler Publishing, 1991.

Starr, Karen. Building blocks of a CD-ROM local area network, *CD-ROM Professional*, pp. 65-68, Jan. 1993.

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Astronomy News Cont'd

**Bryson's Potpourri Part II.** If you do not already subscribe to Liz Bryson's (Canada-France-Hawaii Telescope Corp.) list of astronomy meetings you do not know what you're missing.

\*Liz has received a very enthusiastic response to her idea to create "Ku'i Ka lono," an online database of observer's manuals.

\*STS Electronic Communications (acrlists@hal.unm.edu) includes *Issues in Science Technology Librarianship*, the ALA pre-midwinter and pre-summer annual meetings, updates, and special bulletins.

\*Information Today: Learned Information, Inc., 143 Old Marlton Pke, Medford, NJ 08055-8750; phone (609) 654-6266; fax (609) 654-4309.

#### Articles.

Bartlett, J. Browsing in the on-line library, *Uniform Monthly*, p.17, Nov. 1992.

Tenopir, Carol. Familiar faces, new places, *Library Journal*, p. 53, May 1, 1993.

Donna Coletti  
Harvard-Smithsonian Center  
for Astrophysics

### Lowell Observatory

Lowell Observatory's online catalog is now searchable on the Internet by sending a telnet to sunkng.lowell.edu. Please contact Antoinette Beiser at asb@lowell.edu for login and password information.

### From AstroLib

Current status of the STSci Digitized Sky Survey distribution: The southern SERC-J survey is expected to be available later this year and will be distributed on 60 CD-ROM discs at a factor of 10 compression. The POSSE survey will reside on 40 discs at the same compression factor. The

estimated cost for the 10x 100-CD set is \$2000-\$2500. Decompression software will be provided. However, image display software will be the user's responsibility. Astrometric calibrations will also be provided and photometric calibrations are planned for some time in 1995. For more information, contact Marc Postman at postman@stsci.edu.

Marc Postman  
Space Telescope Science Institute

### Road-Test Report

In the November 1992 issue of the *PAM Bulletin*, Joyce Watson noted that the success of Project STELAR (just one example of the many projects-in-progress) "will depend upon the cooperation of librarians and their staff and patrons in 'road-testing,' and acting as liaisons with scientists to set up convenient access to the journals, to collect reactions, and to make the process generally as painless as possible."

Carol Chatfield (formerly of SLAC, now at the Physics and Astronomy Library at Stanford) and I decided to take this opportunity to give a brief road-test report on SISSA's astrophysics preprints database. We highly recommend that you become a user of this service--if you haven't already! To subscribe,

Mail astro-ph@babbage.sissa.it  
Subject: subscribe name surname

You will immediately receive some basic instructions, and you will automatically receive (without any charge) the abstracts of the preprints that arrive daily at the SISSA electronic library in Trieste.

There are currently more than 1300 subscribers world-wide. To see this subscription list, send e-mail to the above address with the following message in the "Subject" line:

Subject: distribution

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## Astronomy News Cont'd

Carol and I have both been experimenting with receiving the daily listing and posting it in the library. We have encouraged our users to subscribe individually (especially if they are in a hurry!). Recognizing that lengthy headers (and even long abstracts) are often more than one needs/wants, I edit this file before sending it electronically to a mailing list within the department, prefacing it with the note to "Let me know if you would like to receive the full text via e-mail." At this point in time (primarily to make it as painless as possible), if someone asks me to obtain astro-ph 9307024, I will send

Mail astro-ph@babbage.sissa.it  
Subject: get astro-ph 9307024

In fact, yesterday one of the graduate students (who had prepared the TeX file) and I submitted the first Princeton Observatory preprint by simply typing "put" in the "Subject" line!

Try it! We think you'll like it! We would be interested in hearing how you are handling the preprint databases in your library. Please send e-mail to jane@astro.princeton.edu and/or carol.chatfield@forsythe.stanford.edu to let us know. Thanks!

Jane Holmquist  
Princeton University  
Carol Chatfield  
Stanford University

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## **COMPUTER SCIENCE NEWS**

### ***Computer Science Roundtable***

June 8, 1993  
Suzanne S. Bell, Moderator

The session began with an informal survey of those attending, to get an idea of the composition of the group. Three people reported being involved in computer

science librarianship for only 1 year, 5 people for 1 to 3 years, 7 people 3 to 5 years, 5 people 5 to 10 years, and 11 of the initial attendees noted that they have been computer science librarians for over 10 years. Nineteen work in academic settings, 10 in corporate, and 7 in government. A good mix!

Resources on the Internet. The initial discussion centered around a handout, provided at the meeting, of recent activities by CS publishers (e.g., Kluwer, Springer, and O'Reilly) to provide TOC and other bibliographic information via the Internet. You may e-mail me at ssbwml@cs.rit.edu to request a copy of the handout. Also discussed was the new Net offering sponsored by MLA, available through RLIN. One of the objectives of projects such as Kluwer's ftp server is to provide advance information on forthcoming journals and, soon, book previews. Concern was expressed that such advance announcements could create difficulties for both authors (increased demand for preprints) and librarians (demand for material not yet available, and uncertainty as to when it would be available).

Regarding access to technical reports via the Net, Carol Hutchins described the WATERS (Wide Area Technical Report System) project, currently in beta test. The system will provide WAIS-type access to tech reports at a variety of scattered sites. Contributors must have access to a Sun 4; users just need a platform that can support a WAIS client (PC, Mac, X, etc.). For more information, e-mail Kurt Maly of Old Dominion University: maly@cs.odu.edu.

Rik Harris of Monash University in Australia has done much to organize and make available information on sites that provide tech reports via anonymous ftp; his list is published regularly in the newsgroup comp.doc.techreports. His archives are also available for searching via WAIS

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Computer Science News Cont'd

(cs-journal-titles, cs-techreport-abstracts, cs-techreport-archives).

Further discussion of the Internet provided a couple of useful tips: (1) If you are trying to find someone's address on the Net, try the Netfind program: telnet bruno.cs.colorado.edu and then log in as netfind. (2) You can contact the IEEE at info@ieee.org; ACM at acmhelp@acm.org.

ACM Librarians Advisory Meeting. The moderator gave a brief report on this meeting, which took place in New York City on March 11, 1993. Results from that discussion are already apparent: for example, the ACM has revised its proceedings package, making the options more flexible and less expensive.

Favorite Resources. Several people agreed that Inspec was their reference tool of "first choice" for computer science. Also useful are FirstSearch (or EPIC) for books, and Hildebrandt's *Computing Information Directory* (CID). As a source for unusual little bits of information, particularly on people, the *IEEE Annals of the History of Computing* is very useful. Another source for historical information is Bill Aspray, who has assembled a collection of photos and other material at Rutgers. He can be reached at waspray@ieee.org.

Weeding Computer Science Collections. As space shrinks, we are all increasingly faced with the question of what to keep and what to discard. An immediate reaction to a manual for some machine or software now 10 years old is, "Who could want that?" But there have been occasions when such sources provided a definitive explanation or useful diagram. And what about the future computer historian? Where will she get her source material? Each individual library cannot keep every book, but an effort should be made to ensure the material is available somewhere. Suggestions for librarians facing weeding projects: consider the mission of your

library, and the population you serve. Also, try flagging the books you intend to weed, with an explanation of your intent; or, send a list of proposed "deselects" to your department. During the flag or consideration period, contact depositories of historical computer science information, such as the Babbage Institute, the Computing Museum, and the National Museum of American History (part of the Smithsonian), and offer them your list of deselects. Pam Enrici and the moderator offered to create a list, including addresses, contact names, and phone numbers, of possible "homes" for these computer materials. (Other possibilities included Apple, William Aspray again, and Henry Lowood's Silicon Valley Project.) Look for this information in a future *PAM Bulletin*, or at next year's roundtable.

Thanks again to all who attended and to our publisher reps: Jim Ashling (jashling@ieee.org) and Susan Pappas (spkluwer@world.std.com).

Suzanne Bell  
Rochester Institute of Technology

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## MATHEMATICS NEWS

### *Mathematics Roundtable*

June 1993  
Ralph Moon, Moderator

Introductions. After participants introduced themselves, Ralph Moon (UC, Berkeley) announced that moderating this roundtable would be his last PAM activity for a while because he has assumed the position of interim Associate University Librarian for Public Services at the University of California, Berkeley, and will be very busy with his new responsibilities for the next several years.

Conference Report. David Rodgers (AMS) reported on presentations given at the

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## Mathematics News Cont'd

second symposium on "Scholarly Publishing on the Electronic Networks" sponsored by ARL/AAUP/AMS/NSR. He read selected entries from the table of contents and summarized highlights, piquing our interest. The proceedings can be purchased from ARL for about \$20. He encouraged everyone to attend the third symposium, which will focus on the emerging digital library and will be held this November. In addition, David also displayed the *Directory of Electronic Journals, Newsletters and Academic Discussion Lists*, which may also be purchased from ARL.

Economic Models for Electronic Publishing. Rebecca Lasher (Stanford University) presented a poster on seven economic models,

1. Benchmark print based
2. Acquisition on demand
3. National site license
4. Discipline specific literature based
5. Augmented print
6. Distributed information
7. Corporation for scholarly publishing

Rebecca's poster was based on an article in *Serials Review* v18, n1/2, 1992.

AMS Electronic Publishing Initiatives.

(1) AMS Committee on Electronic Products and Services. David Rodgers (AMS) reviewed some of the main points of the committee's report, which was sent out on PAMnet on May 6, 1993. If you have any questions or comments send them to David at dor@math.ams.org.

(2) MR reviews of electronic journals not available in print. Bert TePaske-King (AMS) noted that electronic journals will be treated the same as paper journals. *ULAM Quarterly* is an example of this. In CMP Serial Additions and Changes, a boxed E indicates an electronic journal. There will be three new MR database fields for an e-journal: access, e-mail address (once this address is supplied, new e-journals will be announced in Serial

Additions and Changes), and remarks. E-journal citations will be similar to paper journal citations except for pagination.

Bert asked participants to complete an MR Librarian Survey. If you need a copy of the survey contact Mathematical Reviews, Box 8604, Ann Arbor, MI 48107.

Report from the AMS Library Committee.

Nancy Anderson (University of Illinois) announced that three versions of the report were submitted for publication. A long version went to *Serials Review*, a short version to the *PAM Bulletin*, and a version for mathematicians to the *AMS Notices*.

If you have any ideas for speakers or presentation topics for the January 1994 AMS meeting, contact Nancy at (ndanders@uiuc.bitnet).

Optical Scanning as a Preservation Tool.

Bert TePaske-King (AMS) described how the MR Library is now optically scanning journals as a means of preservation.

Open Discussion. (1) Mathematics

newsletter for collection development. April Love (University of California, Irvine) brought the *Bulletin of Mathematics Books and Computer Software* to our attention, noting that it has helped her stay current with the latest materials published in mathematics. Each quarterly issue focuses on a particular mathematical subject, highlighting classics in the field. The journal also publishes announcements of new mathematics titles (university level) from over 40 publishers and includes telegraphic reviews. The journal is published by Roman Press, 8 Night Star, Irvine, CA 92715, 714-854-5667.

(2) Effects of Russian emigres on math libraries. Carol Hutchins (Courant Institute) proposed this topic for discussion and several people shared their experiences. Ralph Moon (UC, Berkeley) noted that because of low usage, Russian language books were originally slated to free up shelf

Cont'd on page 11

## Mathematics News Cont'd

space. Now, however, Russian language books are the most heavily used non-English materials, so the books are not going to be transferred and the space problem still exists. Carol Hutchins mentioned that Russian language monographs are in a poor state of preservation to begin with and now their usage has increased dramatically, aggravating the preservation problem. Other people mentioned that in light of budget cuts, Russian language journals and Russian translation journals are usually the first to go.

Thurston Miller  
University of Notre Dame

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**PHYSICS NEWS**


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**Physics Roundtable**

June 9, 1993

Robert S. "Pat" Allen, Moderator

Blessed by a large turnout, this year's Physics Roundtable was a lively discussion of a number of topics of interest to physics librarians and those interested in physics literature. The session began with the presentation of a PAM Award to Professor Emeritus Henry H. Barschall, whose championing of academic freedom has been demonstrated in a number of legal suits brought against him by Gordon and Breach Publishers. Should you wish to learn more about this litigation, you may want to consult the following article for an historical description:

O'Neill, Ann L. The Gordon and Breach litigation: A chronology and summary, *Library Resources Technical Services* 37(2):127-133, April 1993.

Current Awareness Services. The roundtable began with a discussion of selective dissemination of information (SDI

or current awareness) services based on *Current Contents on Diskette* or the tape equivalent. Pat Allen began the discussion by giving a short description of a service at Purdue University that creates profiles of faculty members' research interests. These profiles are then run against the database on a weekly basis and the results are then sent to each faculty member by electronic mail. A number of other institutions reported offering similar services. Faculty members were reported to appreciate this service, although it is more successful with some disciplines of physics than others. The most successful applications seemed to be with those researchers involved in interdisciplinary areas that benefit from scanning the literature in physics, chemistry, engineering, and other areas.

Preprint Databases. Of the 50 or so attendees at this roundtable, only 4 stated that their library currently maintained a locally created database of preprints in physics literature. Maintenance of such databases was reported by some to take approximately 1/3 FTE in staff time, with one library reporting that over 6000 preprints were received per year. An article in *Science* described a site that provides electronic preprints of articles in some disciplines of physics (Publication by electronic mail takes physics by storm, *Science* 259(5099):1246-1248, 26 February 1993). Harry Lustig, Treasurer of the American Physical Society, attended the roundtable and stated that the APS has been examining electronic publication in some detail. He also stated that some of the developers of electronic preprint sites have asked the APS to maintain these sites because the developers were no longer able to. Dr. Lustig also mentioned concern over the quality of these "prepublications" because they are widely circulated without peer review (remember what happened with Pons and Fleischmann and their cold fusion discovery?).

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Physics News Cont'd

**Electronic Publications.** Representatives from the American Physical Society, American Mathematical Society, and the American Institute of Physics were attending and all indicated that they are very interested in developing electronic publications. Dr. Lustig mentioned that plans were under way to place *Physical Review Letters* online. In planning for its future in electronic publication, the APS has prepared an RFP (request for proposal) and Dr. Lustig invited the group to have members of the library community look it over. Carol Hutchins (Courant Institute), 1992/1993 Chair of PAM, volunteered to work with the APS on this matter. It was also mentioned that some major publishers were starting to make tables of contents of select titles available electronically.

Although an exciting prospect, there was some concern about whether electronic publishing will really save on subscription costs. Only a fraction of the publication cost is attributed to distribution, while much of the remaining cost is due to editing and other processing. Another major concern is the "competition" between profit and not-for-profit scientific publishers. Electronic publishing has the potential for lowering end-costs (i.e., what libraries pay) charged by the not-for-profit sector, while profit-making publishers will probably not pass these savings along.

**Journal Cancellations.** Thanks were offered to David Stern (University of Illinois) for maintaining and posting on PAMnet the list of journals canceled by physics libraries. This list, which grows faster than our subscription budgets, is a great source of information because it notes which journals are being cut by what institutions. Methods for trying to make good decisions about what journals to cancel were discussed. Use studies, faculty opinion surveys, changing journal content and quality over time, and type of researchers publishing in journals were discussed as measures that could assist in

decision making. The general consensus was that the more data the better, as long as it aided in describing a journal's value to a library collection. Problems funding interdisciplinary journals were also discussed, as they often have an impact on subject-specialized libraries.

Special thanks go to Kenn Harper for taking notes at this fast-paced meeting.

Robert S. "Pat" Allen  
Purdue University

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## **MEMBERSHIP NEWS**

### ***New Members***

**Galvan-Estrada, Laura**  
141 Flora Avenue, #53  
Walnut Creek, CA 94595

**Joiner, Seryl L.**  
24401 Via Santa Clara  
Mission Viejo, CA 92692

**Kresse, Kerry L.**  
University of Wisconsin-Madison  
Physics Library  
1150 University Avenue  
Madison, WI 53706  
phone (608) 262-9500

**Mathewson, Kevin M.**  
229 Seaman Avenue, #F1  
New York, NY 10034

### ***Reinstated Members***

**Banholzer, Gordon S.**  
US National Aeronautics & Space Admin.  
Goddard Space Flight Center, Library 252  
Greenbelt, MD 20771  
phone (301) 286-6244; fax (301) 286-4217  
mailing address:

8638 Brae Brooke Drive  
Lanham, MD 20706

**Braden, James W., Jr.**  
Arthur Andersen & Co.  
Library  
133 Peachtree Street  
Atlanta, GA 30303  
phone (404) 658-1776; fax (404) 223-7155

**Delzell, Barbara K.**  
New Mexico State University  
Branson Library  
Box 3006, Department 3475  
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phone: (505) 646-7486  
fax: (505) 646-7477  
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Las Cruces, NM 88005

**Garrett, Paula K.**  
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bitnet: pgarrett@fnal

**Pergamon Press, Inc.**  
660 White Plains Road  
Tarrytown, NY 10591-5153  
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fax: (914) 333-2444

**Stackpole, Laurie E.**  
Chief Librarian  
Ruth H. Hooker Technical Library  
Naval Research Laboratory  
Washington, DC 20375-5000  
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11 Battersea Lane  
Ft. Washington, MD 20744

**TePaske-King, William E.**  
Mathematical Reviews  
416 Fourth Street  
P.O. Box 8604  
Ann Arbor, MI 48107

### **Address/Name Updates**

**Atkinson, Robert L.**  
fax: (708) 840-4343

**Laursen, Irene S.**  
Wellesley College

Science Library  
Wellesley, MA 02181-8289  
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fax: (617) 283-3642

**Primack, Alice**  
Internet: aliprim@nervm.nerdc.ufl.edu  
Bitnet: aliprim@nervm  
Fax: (904) 392-4787

**Scott, Mary W.**  
Ohio State University  
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175 W. 18th Avenue  
Columbus, OH 43210

**Tucker, Martha A.**  
Has only one Internet address:  
mtucker@u.washington.edu

**Weigel, John W.**  
University of Michigan  
Science Library  
311 UGL  
Ann Arbor, MI 48109-1185

**Yorks, Pamela F.**  
Replace Internet address with:  
yorks@u.washington.edu

PAM membership: 1992 = 166  
1993 = 168  
% Change = 1.20%

Betty Fridena  
University of Arizona

### **Congratulations!**

Pamela Yorks has been appointed Head, Physics-Astronomy Library, at the University of Washington, Seattle. She was previously Acting Head of that library, and before that Engineering Information Services Librarian at the Engineering Library, University of Washington. Ms. Yorks' library degree is from the University of Washington and she has a Ph.D. in Botany from the University of California, Berkeley. After meeting many of the PAM Division members at the SLA meetings, she is looking forward to getting further involved with Division activities.

P-A-M BULLETIN  
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