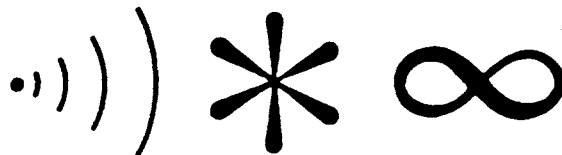


p·a·m

physics astronomy math



P-A-M BULLETIN

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MESSAGE FROM THE CHAIR

Thanks to the efforts of our immediate past chair, Peggy Dominy, we experienced an informative and exciting conference in San Francisco. True to form, we had a good showing of attendees. If you were among those who could not make it, please take special note of the Roundtable summaries provided in this issue by the leaders of those sessions.

Right now, I am thinking about next year's conference in Cincinnati. We will certainly have another vendor update. Our moderators (most recently Rebecca Lasher) have been very successful at making these sessions more than just sequences of sales pitches.

Our conference programming tends to be full, so let me hear whether field trips organized specifically for our membership are really crucial. Personally, I thought the field trip at SLAC was great. Membership can, of course, take advantage of other field trip offerings during the conference.

Through the efforts of Sarah Stevens-Rayburn we are cooperating with the American Astronomical Society to designate a PAM member (Marlene Cummins) to work with the AAS Publications Board as a representative of the library community. I've received a similar request from the Association for Computing Machinery. If you are interested, please contact me. These seem like good opportunities for us to help shape the

changing environment of scientific publishing.

In addition, I would like to recognize the work that Dave Stern has done in compiling a union list of cancelled journal titles. I think we have all found this list helpful.

Finally, what a great division this is where the spirit of participation is so high... members are willing to be active in so many different ways, as demonstrated in the list of officers and committee members given on page 3.

As always, feel free to contact me or any board member with your suggestions and questions.

Hope you've had a great summer.

Carol Hutchins

TABLE OF CONTENTS

Message from the Chair	page 1
Accessing PAMnet	page 2
Officers/Committee Members	page 3
PAM Annual Meeting	page 3
Astronomy News	page 4
Computer Science News	page 9
Mathematics News	page 10
Physics News	page 13
Membership News	page 14
Call for Information	page 15

ACCESSING PAMnet

PAMnet is a listserv discussion group for librarians/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 to PAMnet.

Below are instructions for signing on to PAMnet. Because local systems/setups 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. Feel free to contact Joanne Goode (jngoode@ukcc.uky.edu or 606-232-3294) if you have questions.

To subscribe from a Bitnet node:

TELL LISTSERV@UKCC SUB SLA-PAM
(your name on the same line)

To subscribe from an Internet node:

MAIL LISTSERV@UKCC.UKY.EDU

In the body of the message type:

SUB SLA-PAM (your name)

Posting questions or messages on SLA-PAM is done 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.

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 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:

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**DEADLINE FOR NEXT ISSUE
NOVEMBER 1, 1992**

It's official! The *PAM Bulletin* has been tamed and brought under bibliographic control with the assignment of its very own ISSN, which now appears on the cover below the PAM masthead.

I wish to thank everyone who helped me produce my first *Bulletin*, especially Martha Tucker, Sandra Moline, Joseph Stone, and Carl Chung.

Janice Griggs

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The PAM Division of Special Libraries Association gratefully acknowledges the generous support of the American Institute of Physics for this issue of the PAM Bulletin

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PAM ANNUAL BUSINESS MEETING

June 8, 1992

1. SLA Representative Susie Hayes was introduced.
2. The minutes of the 1991 PAM Annual Business Meeting were accepted as printed in the *Bulletin*.
3. Treasurer's Report: As of 5/31/92 PAM had \$5908.50 in checking and \$2424.01 in a money market. Expenses between 12/31/91 and 5/31/92 were \$529.33 (mostly for *Bulletin* expenses). Income from SLA, the *Bulletin*, and interest totaled \$5519.96.
4. Continuing and incoming officers were introduced as follows: Chair, Carol Hutchins; Chair-Elect, Ellen Bouton; Secretary, David Stern; Treasurer, Martha Tucker; and *Bulletin* Editor, Janice Griggs.
5. Special recognition was given to Sandra Moline for her efforts as the previous Treasurer, Martha Tucker for her efforts as the previous *Bulletin* Editor, and Marlene Cummins for her efforts on the Procedures Manual.
6. The PAM Award was presented by Karen Cargille to Joanne Goode for her work to enhance communication through the enormously successful PAMnet Listserv.
7. PAM Projects Update:
 - a. Union List of Astronomy Serials. Brenda Corbin reported from Judy Bausch that the ULAS II will be "ready when it is ready," hopefully sometime this year. Questions of paper copies versus electronic copies, subsidizing Third World countries, etc., still need to be worked out in detail. All assembled wish to express our sincere thanks to Judy for her "labour of love."
 - b. T-REX. Robyn Shobbrook stated that the IAU Commission 5 has now distributed the draft copy to 40 institutions for appraisal. A champagne send-off party will be held in the hospitality suite on Tuesday night.
 - c. PAMnet. Joanne Goode distributed handouts on how to subscribe to PAMnet.
 - d. Astrolib. Ellen Bouton described the electronic astronomy mailing list system she developed at NRAO and distributed copies of the mailing list to those present.
8. The Executive Committee formed an International Relations Standing Committee to cooperate with the SLA Headquarters initiative. Appointed to the committee were Nancy Anderson (Chair), Brenda Corbin, and Dorothy McGarry. Their charge is to draft a letter highlighting PAM international activities and to brainstorm on future activities.

9. The Executive Committee created a Policies and Procedures Officer position to update the newly developed Policies and Procedures Manual. The Officer sits ex officio on the Executive Committee.

Marlene Cummins was appointed to the position and continues her valiant efforts on this project.

10. David Stern requested that all new (or previous) journal cancellation lists be sent to him. He will attempt to compile a PAM list of cancelled titles which will be distributed and updated via PAMnet and anonymous ftp. Please list only unique titles cancelled, not those with duplicates still remaining within an organization.

11. At next year's annual conference in Cincinnati PAM will cooperate with the Nuclear Sciences and the Metals and Materials Divisions to sponsor a session on "Emerging Electronic Journals."

In addition, Carol Hutchins is investigating the possibility of a field trip to the Cincinnati Observatory and then lunch at Rookwood Pottery. She is concerned about the crowded conference program and is considering planning a breakfast business meeting to alleviate some of this pressure. Partial sponsorship is being discussed. Please contact Carol with ideas and concerns.

12. *PAM Bulletin* subscription costs were discussed and a motion to increase subscriptions from \$9 to \$12 was presented. After much discussion the motion was tabled until next year when additional information will be available. The distribution of complimentary copies will also be investigated.

13. *PAM Directories* will be mailed out to members shortly. The PAM Division once again thanks the American Mathematical Society for generously agreeing to subsidize this resource.

14. Send all *PAM Bulletin* submissions to Janice Griggs at her new electronic mail address: griggs@math.umn.edu.

David Stern, Secretary

ASTRONOMY NEWS

T-REX Is Launched

The *IAU Astronomy Thesaurus* Preliminary Edition 1 (T-REX) was officially launched at the PAM Division's Annual Meeting held in San Francisco in June. Delegates were presented with a copy of this preliminary edition and were encouraged to be involved in its appraisal; the edition was distributed initially to forty institutions in January 1992. Feedback is most essential prior to the release of the official edition to ensure that the new thesaurus reflects a comprehensive coverage of current terminology in this field.

To celebrate the launch of T-REX, a party was held one evening in the PAM hospitality suite. SLA/PAM delegates are still wondering if they really did see a cuddly green dinosaur cutting a large celebration cake, riding the hotel lifts, and later waltzing around the the hotel foyer. Perhaps it was the effects of the California champagne?

Robyn and Bob Shobbrook convened a meeting of about fifteen European astronomy librarians, some of whom are involved in translating the primary terms of the English version of the thesaurus. The meeting was held at the Institut d'Astrophysique in Paris on July 27th. Apart from the thesaurus, preliminary discussions included the possibility of one of the European observatories hosting the next LISA (Library and Information Services in Astronomy) II Colloquium. A report will be submitted.

In acknowledgment of the growing importance of thesauri to the retrieval of information from computer databases, Robyn Shobbrook received a grant from the Australian Department of Industry, Technology and Commerce to enable her to attend the meeting "Astronomy from Large Databases II," to be held in Haguenau, France, in September. She will present a paper to the European scientists on the thesaurus project and possible future applications using expert systems (the new technology in library management).

Robyn Shobbrook

Astronomy Roundtable

June 9, 1992, 3:00-4:30pm
Kathleen Robertson, Moderator

T-Rex. Robyn Shobbrook presented a poster session on the development and structure of T-REX, the IAU Astronomy Thesaurus, which she, Bob Shobbrook and others created. The preliminary edition has been distributed for appraisal and publication of the first edition is slated for later this year.

Union List. Judy Bausch is continuing the compilation of the new edition of the Union List. The working copy will be available as an anonymous ftp file via STScI. Additions and changes to a library's holdings statement can still be made by contacting Judy.

LISA II. Hague 1994 is the projected venue for this conference. However, the picture has been complicated by a recent IAU ruling that no colloquia or symposia can be scheduled within three months of the IAU General Assembly. It is necessary to identify a European astronomy librarian to be the facilitator/convenor for LISA II. A decision should be made by the end of this year. Anyone with suggestions or nominations should contact Brenda Corbin.

STELAR (Study of Electronic Literature for Astronomy Research). Ellen Bouton reported on the mid-May meeting of STELAR Project participants at Goddard Space Flight Center. Phase I of the project has included loading into STELAR from the NASA RECON database the abstracts from *A&A*, *A&AS*, *ApJ*, *ApJS*, *AJ*, *MNRAS*, *JGR*, and *PASP*. Journal texts were not available in machine readable form. *ApJ*, *ApJS*, *AJ*, and *PASP* have been scanned to provide full text for the current five-year window. Options for the user interface and front end are being reviewed. Phase II testing in six libraries will start later this summer.

SIMBAD. Joyce Watson was not present but sent an update announcing that Release 1.2 of the *SIMBAD III User's Guide and Reference Manual* is available. It can be accessed as an anonymous ftp file.

AAMI. Helen Knudsen reported that approximately 1000 items are added monthly to AAMI. It is available in a floppy disk format as well as on paper.

Book & Serials Quest. Clark Easter presented an overview of the BookQuest and SerialsQuest online databases that provide access to large listings of duplicate and out-of-print books and journals. "Have" and "want" listings are accepted from libraries, book sellers and periodical dealers. The databases can be accessed online via SprintNet, Internet, or Faxon Link. A hard copy service is also available. There are various pricing options, depending on volume of use. For more information call 1-800-788-0005.

Liz Bryson's Grab Bag of Interesting Items.

*An electronic mailing list for the distribution of information of interest to women astronomers has been established.

The address is:

aaswomen@vassar.vassar.edu or
aaswomen@vassar.bitnet.

*Liz has been using a subscription to *Current Contents* on floppy disk to provide a current awareness service for CFHT astronomers and engineers. She's been running their keyword interest profiles against each update and distributing printouts of the citations so identified.

*The book *Modem USA* (\$16.95) has a wealth of information about what you can connect to through your modem.

PAM Journal Cancellation List. David Stern is compiling a list of journals cancelled by PAM libraries. Please send him information on any titles your library has had to cancel.

A&A Abstracts Online. Dave Stern reports that *A&A Abstracts* are not yet completely represented in the Physics Briefs database. He continues to monitor the situation.

Kathleen Robertson

Astronomy Notes

These notes were extracted from the AstroLib Bulletin Board.

Tables of Contents Distribution. Brenda Corbin (USNO) and Ellen Bouton (NRAO) are ready to assign library partners to libraries willing to send photocopies of the tables of contents of one or more astronomy journals on a regular basis to a library in the former Soviet Union (FSU). Libraries

participating in this project include:

Astron. Dept., Charles University, Prague
(with SAO Stavropol)

Dartmouth College

ESO - La Silla

ESO - Munich

NRAO (with Astro Space Center, Moscow)

Olivetree Press (sending gratis subscriptions
to *Astronomy & Astrophysics Monthly Index*
to a number of FSU libraries)

Sacramento Peak (with SIBIZMIR and with
Crimean Ast. Obs.)

STScI

USNO (with Inst. Applied Astron. St.
Petersburg, and with Pulkovo)

If you are not included in this list and wish
to be, please contact Ellen as soon as
possible: library@nrao.edu. Brenda and
Ellen will soon be matching lists of
volunteers with lists of FSU libraries to
assign partners. Further information will be
forthcoming.

New Astronomy Journals. On July 9, 1992,
Sarah Stevens-Rayburn, Librarian at Space
Telescope Science Institute, posted the
following call for comments about two new
astronomy journals. Both librarians and
scientists responded and some of their
comments are reprinted below.

Original query from Sarah Stevens-Rayburn:

*In the last couple of weeks, we have
received sample issues of two new
astronomy journals: Romanian Astronomical
Journal and Baltic Astronomy. Both are in
English. The price for the former is \$125 a
year and the latter, \$40. It seems apparent
to me at least that these journals are an
attempt to get hard currency into a very
shaky monetary situation and I certainly
can't fault those in charge for the attempt.
What I am not sure of is if this is really the
way to help FSU/Eastern Bloc astronomers.
Do we want to encourage the proliferation
of national journals, a trend that seemingly
was reversed at the end of the sixties with
the advent of A&A? I would like to collect
opinions before making a decision.*

Selected Responses

Sarah Stevens-Rayburn:

*My thanks to those of you who responded to
my request for input on the new astronomy
journals that have appeared in recent weeks.
Appended below are several of the
responses, most with regard to Baltic
Astronomy. I believe that the exercise shows
in very clear terms the need for continued
dialog between librarians and
astronomers/publishers on these sorts of
topics since the perspectives are quite
different as you shall see. I have edited the
responses to save space, but have left most
of the remarks intact. As for my own
decision, we will subscribe to Baltic
Astronomy, but take a wait-and-see attitude
on the Romanian Astronomical Journal.*

David Stern, University of Illinois, Urbana:

*I don't think those particular titles are the
ones I would jump for first -- especially
when I am being forced to cancel the
established FSU journals already.*

*This would be a great chance for either (1)
electronic journals or (2) cooperative
collection development among astronomy
libraries. I am always willing to discuss
those options.*

*Would that my budget could make these new
journals a tougher decision.*

Wayne H. Warren Jr., NASA/Goddard Space
Flt. Cnt.:

*Although I sympathize with the plight of
countries such as Lithuania, Latvia, Estonia,
Romania, etc., and understand why they
might be initiating new journals, I fully
agree with the principle followed when
journals like Archiv foer Astronomie,
Journal des Observateurs, et al., were
discontinued to form A&A and A&AS.
Other former Bloc countries have continued
in this vein, e.g., the discontinuance of BAIC
with the statement that those papers will, for
the most part, appear in the A&A journals.
The proliferation of individual journals and*

the rising costs of many have caused many libraries (and individual subscribers alike) to cut back on their holdings; this is detrimental to science and should not be made worse by the appearance of still more new journals, possibly with lower standards for publication (as some FSU journals have been). I would definitely discourage the publication of any new journals at this time.

Marlene Cummins,
astlibr@vela.astro.utoronto.ca:

It is difficult enough to decide what to buy and what not to buy in periods of restraint (which is going to be always, I should think) without a whole lot of new journals coming on the scene. It is hard to justify money for new serials and a single country's is not going to rate high. It may not work the way they plan, i.e., foreigners might not buy them, and they would end up more isolated (or marginal if no one submits papers).

I wonder if Baltic Astronomy covers several countries? That would be commendable and probably politically helpful, too, in a small way....

Dainis Dravins,
Lund Observatory, Sweden,
dainis@astro.lu.se:

In response to the AstroLib message of July 10, I want to share some information on the journal Baltic Astronomy, now published in Vilnius (Lithuania), primarily serving the astronomical institutes in the Baltic countries of Estonia, Latvia, and Lithuania. I have myself taken part in some of the discussions (since 1990) preceding the launch of this journal, and I am also a member of a Swedish group of scientists currently evaluating physics and astronomy research in Estonia. During our recent visit there, publication policy was a frequent topic of discussion. The publication patterns in the Baltic countries have in the past been dominated by each institute's own publication series: Tartu, Publikatsioonid and Teated; Riga, Investigation of the Sun and Red Stars (Academy) and others (University); and Vilnius, Bulletin of the

Vilnius Astronomical Observatory. The new journal Baltic Astronomy serves to merge these several publication series into one internationally more visible journal, analogous (on a smaller scale) to the merging of the several West European journals that once created Astronomy and Astrophysics. The option of joining A&A has been investigated by Baltic astronomers, but since that requires hard currency, at present that is a difficult commitment to make.

In the past, these Baltic institutes distributed all of their observatory publications free of charge, an option which is no longer available. Their postage rates have increased up to an international level, which, given their lack of convertible currency, is now prohibitively expensive. Since few other publications in the world continue to be distributed free of charge, there is little alternative but to request that a (modest) subscription charge be paid. These policies were defined during the preparatory work to launch Baltic Astronomy. Sometime later, the USSR collapsed, and the Baltic countries regained their independence, while at the same time inheriting all sorts of economic problems. However, it is not correct (as seems to be suggested in the AstroLib message) that the publication of a joint astronomy journal for the three Baltic countries (instead of continuing various local observatory publications) would be connected to the monetary situation that has since arisen in the former USSR.

Enn Saar, Vice Director, Tartu Astrophysical Observatory (saar@aai.tartu.ew.su.):

I happen to be a member of the editorial board of one of the new journals you wrote about, Baltic Astronomy. I can assure you that we have never thought of earning hard currency with the journal. Just the opposite, we plan to send the journal to the main astronomical libraries free for two years at least, and the cover price is there just to tell people that it will not be free forever, in principle. Forty dollars per year would not cover the publishing costs even with our prices (only salaries and the prices for food

are low, all other prices are rapidly approaching the outside level).

Anyway, I agree with you that starting new journals is problematic. The first danger is that it could lead to articles of poorer quality there, especially for regional journals; and the second is that as long as the journal is not accepted no one would want to publish there and, for the same reason, no one would read it. This all is clear.

On the other hand, look how fast the volumes of the major astronomical journals are expanding. They already contain too much material per issue; there must be a limit somewhere. One possibility is to follow the lead of Physical Reviews by creating ApJ A, ApJ B, etc.; another alternative is to introduce new topical journals such as Cosmology, Stellar Structure, etc.; and a third is to create new regional journals, as we have done.

I myself prefer the second version. The reasons we started Baltic Astronomy were political--this was a joint Baltic initiative and had to be supported then, more than two years ago, although we had our doubts. Now that it is born, how will you kill it? Also, by establishing the journal we stopped our publication series in all three Baltic countries (I feel especially bad about ours, it was the second longest continuous series of astronomical publications in the world), and followed in the A&A tradition. We could not join A&A at present, their minimum fee per a country per year is about 10,000 USD (or DEM, I do not remember which, both are excessive for us now). There have been talks of associate membership, and this could be the right path for us at present; but do you feel that there is enough room in A&A for all those Central & East European & FSU astronomers? One way for Baltic Astronomy to survive is if it could take the place of A&A for all the countries around the Baltic; A&A and ApJ are regional, too. I am not optimistic about it, though. So, we shall certainly continue sending you the journal for the next two years (if we have money for postage), and what will become of it, time will tell.

Ignaz Wanders, Uppsala Astronomical Observatory (bibl@laban.uu.se):

I haven't seen the Romanian Astronomical Journal and cannot comment on that. But I have the following remarks to make about Baltic Astronomy (BA).

The idea for BA arose two years ago, i.e., before the breakup of the Soviet Union. It was intended to make Baltic astronomers more independent from the Soviet Union; a fast journal in English was needed. (Baltic astronomers have been trying hard to open up to the west, especially to Sweden, and they have been doing so for years.)

It was never their intention to get hard currency into the Baltic countries this way. The main problem is that to join A&A, astronomical societies must pay 10,000 DM (I don't know if this is an entrance fee or if this is to be paid every year). Of course, the Baltic states cannot afford this and are forced to come out with their own journal. I spoke to one of the people on the editorial board and it is clear that they prefer to join A&A. So, if we don't want extra journals to arise, we should help the people from the east by offering them free space in the main journals (A&A, MNRAS, ApJ, etc.). As long as this isn't done, I think it's logical that new journals will emerge. We may not forget that most European countries started this way until they joined forces in A&A. Before Baltic astronomers will be fully accepted in the world (and there are some real good astronomers there!) they must show they are competent and they therefore need a journal to publish in. We could help them just by subscribing to these journals. Poland and Czechoslovakia have had their journals for some time now, so why shouldn't other countries have theirs?

To summarize: Preferably the eastern astronomers should be offered free publication in either of the main journals. As long as this is not feasible we should support their own publications in order to give them the opportunity to present their work to the rest of the world's astronomical society. Thus: SUBSCRIBE!

COMPUTER SCIENCE NEWS

Computer Science Roundtable

June 8, 1992

James W. Leonard, Moderator

The topic of discussion was computer science literature.

Collection development. Are libraries developing a collection of material dealing with computer science research and theory or are they instead emphasizing material dealing with software, documentation manuals, and programming texts? Both academic librarians and corporate librarians reported frequent requests to purchase "how to" books. Many librarians suggested that individual departments be encouraged to purchase their own documentation manuals and permit libraries to concentrate on acquiring material of more permanent value. It was recommended that student computer laboratories establish small on-site collections that would be purchased by university computing centers or academic departments responsible for the computer labs. There were also comments on the high theft rate of computing documentation manuals and the need to place them in reserve collections for security. Computer science literature may be collected by several libraries in a large multi-library system which creates some overlap in collections but may also leave some gaps. Multi-library systems must focus on identifying these gaps.

Books and Journals That Include Computer Discs. These formats are creating management problems. Can the usage of these discs be monitored? Some librarians observed that they were not used frequently. It was recommended that back-up discs be made whenever possible and that the circulating discs be bar-coded and circulated as a separate item. This procedure would also provide circulation data for the discs. A possible reason for the infrequent use of discs is that patrons do not have the right hardware/software needed to run the discs, such as the correct operating system, density,

size of disc drive, etc. One participant suggested that publishers be asked to discontinue furnishing discs. Another participant raised the concern of virus infection of the circulating discs. Should libraries assume the responsibility of searching each disc for virus contamination before circulation? The consensus was that each borrower should check for viruses but librarians should check discs when they are returned from circulation.

Acquisitions Decisions and Book Reviews. Should such decisions be based on book reviews? Good reviews can be found in *Computing Reviews*, *Choice*, *The New York Public Library Review of Technical Books* and on Internet files, but the time lag between publication of the book and the appearance of a review is too great. The use of approval plans to assure timeliness is preferable to individual orders based on bibliographic reviews.

Access to the Gray Literature and Technical Reports. Internet has a file called Techserv which lists technical reports along with a price list. These reports may be purchased from a commercial document delivery firm. MathSci Online has a subfile called STR which lists Stanford computer science technical reports. The librarian from Stanford announced that she is preparing a 30 year compilation of Stanford computer science technical reports. This compilation will include its own reports and others in its collection. It was recommended that academic librarians assume the responsibility of collecting technical reports issued by their universities. It was pointed out that the copyright of a corporate technical report is transferred to the publisher once it appears in the open literature. A company cannot distribute its technical reports after publication.

Conference Proceedings. The final discussion focused on the lack of bibliographic standardization of conference proceedings published by IEEE (Institute of Electrical and Electronic Engineers) and ACM (Association for Computing Machinery). A representative from IEEE replied that standardization was too difficult because IEEE is made up of 37 separate

societies, each of which runs its own conferences. The same problem exists with the ACM SIG conference proceedings.

Beatrice Sichel

MATHEMATICS NEWS

Mathematics Roundtable

June 9, 1992

John Tebo, Moderator

Thirty-one people from all parts of the country and all types of libraries were present to discuss a number of topics of common interest. The discussions that took place are summarized below.

AMS Ad Hoc Library Committee. Nancy Anderson reported on the work of the American Mathematical Society Ad Hoc Library Committee (Ad Hoc Committee members include Jack Weigel, University of Michigan; Mary Ann Southern, Duke University; Dorothy McGarry, University of California, Los Angeles, and Nancy Anderson, University of Illinois).

A summary version of the survey conducted by this committee was published in *Notices of the American Mathematical Society*, December 1991. There will be two versions of the final report. One version will provide budgetary figures for those who gave figures and agreed to have them released; a version without budgetary information will go to those who did not give figures or agree to publication. While the budgetary information will be out-of-date, it will help survey participants determine how they compare with peer institutions. Nancy indicated that she would have drafts of the final committee report available at the PAM open house and asked that we advise her or other members of the committee on what we would like to see added to the final report.

PAM members are encouraged to attend the AMS winter meeting in San Antonio. Librarians may choose to avail themselves of free registration or a reduced fee for membership in the AMS, which would include subscriptions to the *Notices* and

Bulletin of the AMS. Nancy asked which option people preferred. Those present favored free registration. Topics discussed at AMS meetings include publishing issues, copyright, and other issues of concern to librarians.

MathSci on CD-ROM. Participants discussed the need for a version of MathSci CD-ROM that will work on the MacIntosh and concluded that the PAM Division should write a letter to the AMS urging their prompt attention to this problem.

Journal Cancellations. Division members were urged to send lists of their journal cancellations to David Stern (University of Illinois) if they have not already done so. Lists should include volume numbers as well as titles since OCLC is not up-to-date. Rebecca Lasher (Stanford), who worked on the RLG Mathematics Serials Project, stated that the 690 field should indicate who is committed to maintaining a particular title. Ralph Moon (University of California, Berkeley) was asked whether U.C. would be able to continue to honor its serial commitments in light of serials cancellations. He said that the head of collection development at Berkeley had indicated that no promises should be made at this time to continue to honor these commitments.

Some of those present wondered whether it would be possible to get sub-lists of the journal cancellation list being compiled by David Stern. Because of variations in journal locations and in the disciplines covered in each library, it was decided that such sub-lists were not feasible and that each librarian must deal with the list according to individual situations.

Serials/Monograph Ratio. Dorothy Manderscheid (Michigan State) was interested in the proportion of serials to monographs in mathematics materials budgets. In general, a serials to monograph ratio of 70% to 30% is desirable. However, most desirable is the freedom to choose what is best for one's own collection.

Four librarians reported that serials constituted 70%, 75%, 81%, and 87% of their libraries' materials budgets. Subsequent questioning revealed that these

figures varied depending on whether funding for standing orders for monographic series was included in the percentages quoted.

Funding Sources Outside the Library. This topic generated a lively discussion. A fund drive by the Mathematics Department at the University of Illinois resulted in faculty payroll deductions designated for the mathematics development fund. This drive was conducted by the Development Office and the proceeds were shared between the Mathematics Library and the Mathematics Department. Also at Illinois, donors who contribute at least \$350 may designate a specific journal to be plated when it is first bound.

At Purdue, faculty were concerned shortened library hours would make it difficult for graduate students to complete their research; they therefore donated money for student assistants so that the library could maintain a full schedule.

At Michigan State, as part of university-wide fundraising, members of each department could choose one of three designated areas that they wanted to benefit from additional funding. The Mathematics Department designated the Mathematics Library as one of the areas for which mathematics faculty could pledge donations. Since these are endowment funds, \$20,000 must accrue before funding is released to the library.

Instead of holding a fundraising party, the Friends Group at U.C. San Diego sent out invitations saying "don't get dressed up tonight, just send in your money." With a corporate program, they were able to buy a CD-ROM server.

Mathematics professors at Cornell agreed to teach one summer course and donate the pay they would have earned to the Mathematics Library.

Acquisition of Russian Journals and Translations. Dick Funkhouser (Purdue) reported that they cancelled all their Russian-language mathematics journals but maintained their translation subscriptions. Mary Ann Southern (Duke) indicated that the mathematicians at Duke will not let the library cancel the Russian versions because they do not trust the English translations, but

they also want to continue to receive the English versions. Nancy Anderson (Illinois) said that her faculty felt that some of the translations were good. Samuel Rankin, Director of Publications for AMS, stated that the AMS is translating Russian journals from Russian galleys, allowing the translations to be published several months sooner. The editorial board tried to have the translations done in Russia, but it did not work out well.

Interperiodica Publishing, in cooperation with the Russian Academy of Sciences, has begun to publish scientific journals in English, concurrent with their publications in Russian. Interperiodica's goal to take over the publishing business contractually is of concern to the Russian mathematics community, who are worried about quality and costs. The AMS is sending a letter to Interperiodica expressing concern about their taking over Russian journals and has lodged an appeal to the Russian Academy of Sciences.

The AMS plans to support the Russian Institute of Mathematics in Moscow and hopes to publish papers that come out of the Institute. The journals would become international, with the original in English and copies in Russian and other European languages. To help support the Institute, the AMS is sending U.S. journals to them and is paying for mathematicians in residence.

E-Math and How It Could Be Useful to Libraries. E-Math, a node on the Internet, has been in operation since October 1990. The system is maintained and supported by the AMS. E-Math's primary mission is to become an electronically based clearinghouse for the mathematical sciences. To log onto E-Math, type the following: Telenet e-math.ams.com. Both the login and password are: e-math.

Currently, E-Math contains an online *Combined Membership List, Employment Opportunities*, document delivery service, the *Mathematical Reviews Subject Classification Scheme*, online version of their *Bulletin*, a list of AMS meetings, and a suggestion box. Carol Hutchins (formerly Indiana, currently Courant) reported that E-Math is used all the time at Swain Hall

Library at Indiana; it has been put on a PC as a menu choice.

Samuel Rankin indicated that preprints are not yet available on E-Math; those present recommended getting Instant Math Preprints on E-Math as soon as possible. He also said it might be possible to publish dissertation titles on E-Math.

Bert Tepaske-King (Mathematical Reviews, Ann Arbor) indicated that they might be able to put the serials list for *Mathematical Reviews*, which is updated weekly, on E-Math. It was suggested that symbols indicating type of publication be included also. This is a current list, but old journals are listed for a certain period of time.

Someone also suggested that E-Math would be a good place for librarians to send requests that out-of-print math monographs be republished by the AMS. Samuel Rankin indicated that the AMS was inclined to encourage the original publisher to republish out-of-print monographs because the AMS was afraid that it would have to charge more than people are willing to pay. Sentiment was that if cost could be kept at \$50 or less, price would not be a problem. Samuel Rankin said that we could e-mail him (smr@math.ams.com) with math titles we would like to see reprinted.

It was also decided that members should post their reprint needs on PAMnet, thereby giving each member the opportunity to check if their copy is missing or in poor condition and, if so, to add their library's name to the want list. It was also suggested that we consider using PAMnet for gifts, exchanges, or sales of unneeded books to other math libraries.

CIP. Dorothy McGarry explained how Library of Congress Cataloging in Publication (CIP) works. The bulk of CIP is good information although occasionally there are problems. Nancy Anderson suggested that the AMS consider adding MOS classification numbers.

Remote Storage. Methods of identifying books to be sent to remote storage were discussed. Peggy Dominy (University of Pennsylvania) tackled the problem by making photocopies of shelflist cards and

asking faculty to initial the cards for items that they did not want to go to remote storage. She said that it took one year for the faculty to initial the shelflist cards and one year to pull the material.

Another method mentioned was to flag all books proposed for remote storage and give faculty one month to remove flags from books they thought should not go to storage. Richard Funkhouser (Purdue) used colored dots to denote books marked for storage. If the book was used, the dot was removed.

Mary Ann Southern (Duke) suggested that journals were the easiest choice for storage since a cut-off year can be readily determined and few records need to be marked as being in storage. Some libraries had pre-1950 in storage, others pre-1970. Bea Sichel (Western Michigan) said that her library had to send substantial runs of back issues to remote storage but daily retrieval of journals is provided along with a fax machine at either end. She agreed with Mary Ann that it is much easier to store journals, but a mix of journals and monographs must be maintained for remote storage.

Marianna Wells (University of Cincinnati) said storage must be flexible. If stored books are requested for use, pull them out of storage. In her experience, faculty are not happy if journals are in storage because one reference in a particular journal often leads to other references in the same title. If journals are stored, they ought to be accessible to users rather than restricted.

Debbie Kegel (U.C. San Diego) reported that she did not consult faculty at all; she felt it was not necessary because she had use data to support her decisions. Nancy Anderson (Illinois) felt that it was better to consult the faculty to avoid hard feelings.

Consensus seemed to be that collected works are not good candidates for remote storage.

Where are Mathematics Education Materials Housed? Generally, mathematics education materials appear to be housed in a split fashion, some residing with mathematics libraries, others with education libraries. There was agreement that most mathematics faculty prefer to have these materials housed

in their respective mathematics libraries. The question of who selects these materials, the mathematics or the education selector, was not discussed.

Revealing Borrowers' Names. Dick Funkhouser (Purdue) inquired whether other libraries reveal the name of a borrower who has checked out a book. Purdue has the patron sign a waiver to allow this practice. Some libraries do reveal borrowers' names, but state and federal laws, and ALA recommendations, must be considered. Libraries that do reveal names have devised methods of circumventing these restrictions, such as instituting written consent forms. Other libraries will not identify a user but will call that person in special situations to inform her/him that someone needs the book.

John Tebo

PHYSICS NEWS

Physics Roundtable

June 8, 3:00-4:30pm

Jill Hackenberg, Moderator

Approximately 60 people attended the workshop. The following topics were discussed:

Electronic journals/electronic publishing.

Deborah Kegel (UCSD) noted that electronic journals are available at her institution, where she is on a task force to consider their cost and other factors. To date they have experienced archiving problems. Bill Kownacki (VaTech) stated his school offers six journals on the mainframe OPAC. A note field cites the source and articles are ordered through acquisitions.

Printing from CD-ROM or electronic journals.

The University Houston charges 8 cents per page for all printing. The copy card machine tracks the number of lines printed, i.e., four citations per page. Downloading is free.

UMI INSPEC Image product. Jim Leonard (IBM) said that his users like it overall. Rebecca Lasher (Stanford) reported that they

were unhappy with it and did not keep it. One reason for their dissatisfaction was that UMI charges for the product and then charges again for the number of citations printed (it keeps a record).

List of journal cancellations. David Stern (Illinois) is compiling a list of journal titles cancelled over the past three years. He is looking for patterns and will update the list periodically, so he still welcomes submissions: stern@vmd.cso.uiuc.edu

Resource sharing. The University of Illinois at Chicago is compiling statistics on cancelled journals. Mary Ann Southern (Duke) reports that resource sharing has not worked well at her institution. The union list is hard to compile and it's difficult to enforce the guidelines and retention schedule. Marianne Wells (Cincinnati) said that the agreements are not being honored. UCSD has agreed to keep the agreement for five years to help make the idea work.

Carol Hutchins is having problems with Barshall conference proceedings concerning costs, copyright, and circulation.

U.C. has a "resource sharing" of conference proceedings acquisitions among nine sites. They are stored in a remote facility and one copy serves all of the sites.

Videos. *Astrophysical Journal* and certain preprints are coming with videos. Questions about the cataloging, storage and circulation of the videos were discussed.

ARIEL. ARIEL pros and cons were discussed. ARIEL is a software package from RLG that aids in transmitting ILL documents from a lending library to a borrowing library. The article is scanned and sent digitally via the Internet to the receiving library where it is then laser printed.

CARL UnCover vs. FirstSearch. Users may purchase articles through CARL. CARL is accessed over the Internet where journal article citations can be searched and ordered directly online using a credit card.

Firstsearch has a per search charge libraries do not like. It's offered by OCLC. SLAC is making available to anyone

preprints on other topics (but not SPIRES).

Thanks to all who contributed to the lively discussion; special thanks to Pat Allen who took notes.

Please submit items for the next issue to libj@jetson.uh.edu.

Jill Hackenberg

MEMBERSHIP NEWS

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Figures on total PAM membership are delayed while SLA updates their computer program. Membership total will appear in the next edition of the *PAM Bulletin*.

Betty Holmstrom, Membership

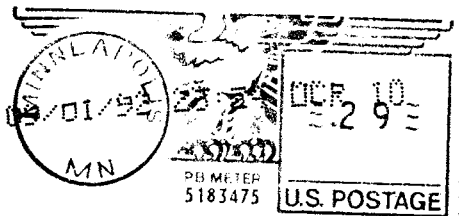
CALL FOR INFORMATION

The Projects and Publications Committee, Sci-Tech Division, is compiling descriptions of expert systems, CAI software, and other computer programs presently used in scientific and technical libraries. Of specific interest are those programs that aid in the identification and retrieval of scientific and technical information. Programs may be oriented toward end-users or information specialists. The aim of this project is to create a database to facilitate the exchange of information between system developers and, when appropriate, to serve as a catalog of programs available for distribution to other interested libraries. If you have developed or currently administer such a program, and are willing to complete a questionnaire describing it, please contact:

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