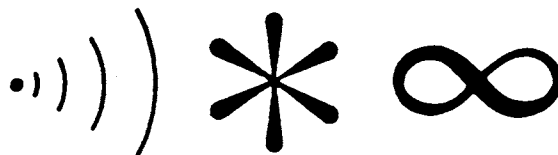


p·a·m

physics astronomy math



## P-A-M BULLETIN

Vol. 19, No. 2

P-A-M Bulletin

November 1991

### MESSAGE FROM THE CHAIR

We are barely 5 months away from San Antonio and your division officers are getting in gear for San Francisco. One of our major concerns is expenses. The division suite will be very expensive in SF, and we are exploring ways to enable us to maintain our usual three nights. Bruce Pelz, our hospitality chair for SF, is investigating the most economical options for a suite. Carol Hutchins is working hard on increasing our sponsor support. We will keep you informed on our progress.

It is also time to think about awards and honors. The association has many. Please consult the front pages of the SLA member directory or the latest *Specialist* for award descriptions. If you know of someone who qualifies, send your nominations to Muriel Regen, chair of the SLA Awards and Honors Committee, by December 6, 1991.

Don't forget about the P-A-M award. The award is given to a group or individual who has made a "significant contribution to the literature of physics, math or astronomy," or who has done something special which "improves the exchange of information in physics, math or astronomy." Nominations for the award should be sent to Karen Feeney, U of California-San Diego by Jan 31, 1992.

It is also time to think about a new

slate of P-A-M officers. Please contact Liz Bryson, CFH, with your nominations.

So with all this heavy "thinking" that I am putting upon you, let me also wish for you and yours, a safe and happy holiday season.

Peggy Dominy  
Chair

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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 each year: in August, November, February, and May. Articles should be submitted in machine-readable format, if possible, to the bulletin editor by the announced deadline of the next issue.

Subscriptions are free to P-A-M members and retired P-A-M members. Non-member subscriptions are accepted; the cost is \$9.00 per year. Checks should be made payable to PAM-SLA and sent to the bulletin editor at the address below:

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**DEADLINE FOR NEXT ISSUE  
 FEBRUARY 1, 1991**

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### Letter to the Editor

Last month I had an unusual question dealing with auroral atmospheric phenomena. I checked out membership and recalled Julia Triplehorn. Even though I wasn't sure it was HER Bitnet address, I used what I found in the list of PAMnet subscribers.

The next morning Julie phoned me, and certainly had the answer I needed. She commented that it was nice that the division network really works...AND how much she looks forward to the newsletter. Me, too. It's great.

Carol Hutchins

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## PAMnet BENEFITS

Many of us in P-A-M are becoming increasingly convinced of the benefits of "networking" via e-mail in general and via PAMnet in particular. Recently we had a good discussion on PAMnet of the pros and cons of *Math Reviews* vs. *Zentralblatt für Mathematik* and of their respective compact disc products (CompactMATH—due in November 1991? or sometime in 1992?).

Sometimes, announcements with pressing deadlines can be made via PAMnet, whereas *P-A-M Bulletin* cannot possibly offer the same timeliness. I have been "rescued" several times by direct e-mail contact with fellow librarians for such things as quick copies of missing pages. The benefits of using other libraries' catalogs on Internet are just beginning to be explored.

Let me urge everyone who has access to e-mail to sign up on PAMnet and to submit your e-mail address to P-A-M's membership chair for our directory. If you don't yet have access to Bitnet or Internet, make sure your administrators know of the possible benefits to them.

If you are having problems using e-mail, send in your questions to *P-A-M Bulletin* and/or PAMnet. Others who have more experience can suggest solutions. Perhaps then, we can identify some common problems and help each other out at the same time. One person's solution may not always work on another's system, but you can, at least, try it.

Here's this issue's tip. Sometimes, when you've sent mail from an Internet node to a Bitnet address, the mail comes back from the dreaded MAIL DEMON [sic] as undelivered. Try sending your mail message to the Bitnet address again, but add ".bitnet" to the address, as in: list-serv@ukcc.bitnet. Bitnet addresses generally have a short, single "word" after the "@" sign (as in: @ukcc), and do not have a "." in them.

Martha Tucker

## How to Sign Up

PAMnet is an electronic discussion forum on Bitnet for math, physics, and astronomy librarians, whether P-A-M members or not. Subscribers can conveniently send a message out to everyone on the list by sending a single mail message to sla-pam@ukcc, sla-pam@ukcc.bitnet, or sla-pam@ukcc.uky.edu. Subscribers may just receive the information, or they can reply to the message, either directly to the original sender (the "R" command) or to the entire list (the "r" command).

To subscribe from an IBM operating system Bitnet node, most systems allow the Tell command, such as TELL LISTSERV@UKCC SUB SLA-PAM <your name>. A variation of the TELL command is the SEND command.

If you are subscribing from an Unix operating system INTERNET node, send mail to LISTSERV@UKCC.BITNET as you would to an individual, and put SUB SLA-PAM <your name> as the first and only line in the body of your mail message. Then send as usual.

If you are having difficulties subscribing, contact me at (606) 232-3294, JMGOODE@UKCC on Bitnet or JMGOODE@UKCC.UKY.EDU on Internet. Your own network consultants can help you, too.

Last time I checked we had 82 members. Not all PAMnet subscribers are P-A-M Division members, and not all P-A-M members, in fact, *less than half*, are subscribers to PAMnet. If you want to receive a list of the PAMnet subscribers and their e-mail addresses (very handy), use these commands:

On IBM Bitnet, use TELL  
LISTSERV@UKCC REV SLA-PAM.

On UNIX Internet, you can send mail to LISTSERV@UKCC.BITNET with REV SLA-PAM as the body of your mail message.

Joanne Goode

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## P-A-M BUSINESS

### Award Nominations

Just as the call has gone out for Association awards, the call is also going out for the P-A-M Award. The award is presented at the annual business meeting to a group or individual who has made a significant contribution to the literature of physics, math or astronomy. The award can also be based on improving the exchange of information in physics, math or astronomy.

Nominations for this award can be made in the form of a letter which outlines the significant contribution or improvement made by the individual or group. All nominations should be submitted by the end of January 1992 to Karen Feeney/ Acquisitions Dept. 0175A/ Central Library/ UC—San Diego/ 9500 Gilman Dr./ La Jolla CA 92093- 0175; or by e-mail to kfeeney@ucsd.edu.

Karen Feeney  
Chair, Awards Committee

### Officer Nominations

The Nominating Committee comprised of Liz Bryson, Janice Griggs, and Joanne Goode welcome all nominations for the 1992-93 Chair-Elect and Treasurer's position for the P-A-M Division. Please contact any of the committee members at the following e-mail addresses: Liz: library@cfht.hawaii.edu or library@UHCFT; Janice: j-grig@uminn1 or j-grig@vml.umn.edu; Joanne: jm-goode@ukcc.

Liz Bryson  
Chair, Nominations Committee

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## ASTRONOMY NEWS

### Publishing News

If you have not received correction stickers to go on the title page of *Comets in the Post-Halley Era* (title page said *IAU Colloquium 121* instead of *IAU Colloquium 116*),

contact Kluwer. Stickers have been sent to all libraries with standing orders, but Kluwer has no record of any purchases of that title made through a jobber.

Kathleen Robertson, Institute for Astronomy, Univ. Hawaii, reports that a recently received copy of *Databases & On-line Data in Astronomy* published by Kluwer had a scattering of blank pages between p. 150-180.

Brenda Corbin, US Naval Observatory, passes on the following information received from Uta Michold, the librarian at ESO, on the Palomar II plates. The person in charge of the Palomar atlas distribution is Elisabeth Voelk. The first shipment will be sent within the next few days; the price is DM 1118. Please calculate that the price of the next shipment will double, since it will contain twice as many plates. Libraries who are paying on pro forma invoices for each shipment should have received the first invoice by this time.

Cathy Van Atta notes that for anyone pondering renewals, *Astronomy Quarterly* is going to cease separate publication at the end of vol. 8, 1991, and will be incorporated into *Vistas in Astronomy* starting next year.

Wayne Warren points out the editorial by L. Perek on p. 205 of vol. 43 of the *Bulletin of the Astronomical Institutes of Czechoslovakia* which discusses the cessation of that journal. Do read the editorial—it is a masterpiece, especially the last lines of the main text:

“My colleagues always used to look beyond frontiers, drawn on paper or enforced in nature, and are eager to participate in a wider context, whether European or global. *BAC* is dead, long live astronomy on our planet!”

Of course, so as not to reduce the number of journals, Wayne also notes the appearance of a new one: *Reports on Astrophysics and Cosmology*. It is edited by Fang Li Zhi, the famous former PRC astrophysicist who gained notoriety after holing up in the U.S. embassy for some

months, and who is now at the Institute for Advanced Study.

Sarah Stevens-Rayburn reports that in *Astronomy & Astrophysics*, v. 249, no.2, the article on p.337 by Akujor et al. does not appear in either the table of contents or the volume index. Sarah has notified *A&A*. They will print a corrected table of contents and index.

Regarding the *Hipparcos Input Catalogue*, Brenda Corbin reports the following after making an inquiry to Erik Hoeg in Copenhagen. The publication of this catalogue is indeed delayed, but should be available in a couple of months. The ordering information if needed is:

*Hipparcos Input Catalogue (ESA SP-1136)*

Price: 360 Dfl

Order from: Finance Division (EFAP)

ESTEC, Postbus 299

2200 AG Noordwijk

The Netherlands

The catalogue was originally expected to be out in May.

#### A&AA in PHYS?

The following quote is part of a message from Wolfgang Lueck of FIZ in Karlsruhe (forwarded by an AIP staff person to Wayne Warren). It answers a question that many of us have been asking—namely, is *A&A Abstracts* now included in the STN database? Note that this statement from Lueck contradicts what it says in the *A&AA* volumes (that inclusion of *A&AA* material in STN began with vol. 49 for 1989), and what Lueck has told us at the last two SLA meetings. It is both sad and frustrating that this project has been in the works for years now with no apparent results. Let's hope that the time mentioned below turns out to be accurate. But don't hold your breath!

Lueck says, “Up to now, there is no [!] *A&AA* material in the PHYS file because of technical problems in [the] transformation [of] the *A&AA* items into the input system of FIZ Karlsruhe. The first 4000 items from *A&AA* will be available in the PHYS file at the end of November 1991.”

### STELAR Meeting

Ellen Bouton and Sarah Stevens-Rayburn submit the following report on the 3rd STELAR (STudy of Electronic Literature for Astronomy Research) meeting.

The third meeting of the STELAR Project Planning Group was held in Columbia, MD, on 24-25 October 1991. The formal goal of STELAR, as defined in the 2nd meeting, is: to explore the use of electronic means for improving access to scientific literature using astronomical publications to evaluate distribution, search, and retrieval techniques for full text and graphics display.

Bitmap scanning of *ApJ*, *AJ*, and *PASP* for 1986-1990 will be complete by early November, and ASCII text abstracts have been made available by the NASA STI program. *A&A* and *MNRAS* have expressed interest in having their journals included in the project, but no details have been worked out. (The one item on which all in attendance were in agreement is that bitmaps are NOT the way to go for such an endeavor. Nonetheless, the bitmaps do provide us a quick and relatively easy way of testing the concepts.)

Four working groups were formed to address issues of 1) ingestion and archive management, 2) data retrieval and distribution, 3) user access and evaluation, and 4) the future of electronic journals. The working groups met separately to collect questions, issues, and tasks, to prioritize them by project phase, and to identify who will perform which tasks. After reviewing the discussions of all the working groups (and resisting as much as possible the urge to address the many relevant wider issues instead of just the proposed experiment!), the full group developed a timeline for the project.

A proposal specifying project goals and timelines, and requesting release of data for testing purposes will be submitted to the AAS and ASP publications boards in the next six weeks. Final approval will be requested from the respective executive councils in early

1992. Testing of several different retrieval methods will begin once the bitmaps of scanned material are checked and the societies have approved the release of the data. Parallel activity includes identifying what material is missing from the STI abstracts, OCRing the tables of contents and indexes, investigating usability of publishers' tapes, and a host of other details too numerous to mention in a short report.

We hope testing of STELAR will begin with a small subset of libraries and individuals (primarily those on the project planning committee) in Summer 1992. Wider testing will follow a year later.

Of particular interest to librarians were the discussions of user access and evaluation. The librarians in the group have been asked to identify ways in which users look for information, user expectations of electronic literature, what functionalities users would require, and what they would especially like to do if they had electronic access. In other words, the more information we have on what people want and how they would use it, the more likely we are to design a system that is actually useful. A questionnaire has been sent (electronically of course!) to selected staff members at our institutions soliciting such information.

The other question we as librarians have been asked to ponder is how do we archive in an electronic age? Although the societies have not expressly been keeping an archive copy of the journals, it has always been assumed that the libraries were providing that service. How will it be provided when paper is no longer the primary medium? Please send your thoughts and considerations on this to either Ellen or Sarah; we will combine the remarks to present to the futures group on the project.

For further information on either STELAR in general or the 3rd meeting in particular, contact Sarah ([library@stsci.edu](mailto:library@stsci.edu)) or Ellen ([library@nrao.edu](mailto:library@nrao.edu)).

Ellen Bouton

## MATHEMATICS NEWS

### AMS Baltimore Meetings

The American Mathematical Society is having two programs of interest to math librarians at their annual joint meeting with the MAA in Baltimore this January. The AMS Library Committee is sponsoring a session on their 1990 math library survey called "Mathematics Libraries, Present and Future" on Thursday morning, January 9 from 9-10 A.M. This will be a panel discussion which will explore the results and implications of last year's AMS survey of mathematics libraries in doctoral-granting institutions in the U.S. and Canada.

Participants will be Keith R. Dennis (Chair, Math Dept., Cornell) and Steven Rockey (Mathematics Librarian, Cornell), the co-chairs of the AMS Library Committee—Nancy Anderson and James Rovnyak, and librarians, Dorothy McGarry (UCLA), Mary Ann Southern (Duke), and Jack Weigel (Michigan).

The Library Committee particularly seeks reaction and comment from the mathematics community (and you, too!) on the AMS library survey, and how the committee may serve the community with its activities. Please note that the summary report of the AMS Library Committee's survey will appear in the December 1991 *Notices*.

Also on January 9, from 1 PM to closing, the AMS Library Committee will staff a booth in the exhibit area. We invite you to stop by and talk to the committee. You'll need a badge (see registration form) to get into the exhibits area.

On Friday, January 10, from 2-4 PM the Association for Research Libraries will put on a program for the AMS called "Electronic Delivery of Scientific and Technical Information to Scientists." This program is being organized by ARL's Ann Okerson and will include as speakers Keith Dennis and Steve Rockey from Cornell where the Commission on Preservation and Access is scanning math mono-

graphs; Lorrin Garson from the American Chemical Society, where retrospective scanning is being done for online delivery; and David Rogers from AMS' e-MATH on developments in e-MATH.

The AMS would like to encourage any librarian east of the Mississippi with an interest in math to attend as they thought it was a very good idea that west coast math librarians attended their meeting last year in San Francisco. The AMS will waive the registration fee for any librarian attending. We can then take advantage of the cheaper conference hotel rates, but not have to pay registration.

Registration forms for the AMS January meeting are at the end of both the October and November issues of *Notices*. In the October issue registration information is on p. 964 and hotel information is on p. 966-7. I pass on to you this information from Penny Pina—librarians can register for the meeting at no cost, thus entitling you to the conference hotel rates (e.g., the Hyatt Regency, the headquarters hotel, is \$85 single). You can choose to have a guest badge typed at the meeting or to not have a badge. However, you may want to visit the exhibits, and a badge is needed to get in.

Each librarian requiring hotel accommodations should send in a form indicating "LIBRARIAN" at the top of your form as well as the hotel guarantee and any other details needed for housing. AMS will take it from there. If you have any further questions regarding registration or housing, send Penny a message at [pop@math.ams.com](mailto:pop@math.ams.com) or call her at 401-455-4145. The AMS would truly like to see you there!

Since announcing this meeting on PAMnet in October, I have heard from a number of you that you hope to attend; I am very pleased that you are coming. Please note that the deadline for registration is November 18 if you want to use the housing services offered by the AMS Mathematics Meetings Service Bureau. I regret that this issue of *P-A-M Bulletin* may

not reach others of you in time for that deadline. See the same *Notices* issues for making hotel reservations later.

The final deadline to attend the meeting is December 10. You will have to pick up your badge and program at the meetings. It would be helpful to the library committee, if you would also let me know (at [ndanders@vmd.cso.uiuc.edu](mailto:ndanders@vmd.cso.uiuc.edu)) if you are planning to attend.

Nancy Anderson  
Co-Chair, AMS Library Committee

### Enduser Training

An article on training endusers to search MathSci Disc, written by P-A-M member, Beatrice Sichel of Western Michigan University, appears in a recent issue of *Special Libraries*. The citation is: Sichel, Beatrice. "Training Endusers on MathSci Disc," *Special Libraries*, 82 (Fall 1991): 282-287. Those of you who have MathSci Disc should find this article useful. Congratulations Bea!

### Book and Journal Security

What answers have other librarians found for improving book and journal security in branch libraries? Our library is planning to do something in this direction this academic year.

One question that arises is when do most of the books and journals disappear during open hours or during closed hours when key holders have access? The new book truck is locked up during closed hours, yet several books are often missing, but not shelved or checked out, after one week. This provides information that at least some of the books "walk out" during open hours.

One possibility being considered is a library security system which would probably mean eliminating faculty and graduate student keys during closed hours. Another possibility is a book cage which would be locked during closed hours. Please send any insights you may have on library security by e-mail or surface mail to the address indicated below. I will sum-

marize the responses in the next *P-A-M Bulletin*.

Please send items for inclusion in the next Mathematics News to: Dorothy Manderscheid/ Mathematics Library/ 101-D Wells Hall/ Michigan State University/ East Lansing, MI 48824. Send e-mail to [20676mth@ibm.cl.msu.edu](mailto:20676mth@ibm.cl.msu.edu) or [20676mth@MSU](mailto:20676mth@MSU).

Dorothy Manderscheid

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## PHYSICS NEWS

### EPS Journal Recognition

During the Physics Workshop at the annual meeting in June I brought up the subject of the journal recognition program of the European Physical Society. I promised to investigate and am now reporting back.

Mr. George Thomas, Executive Secretary of the European Physical Society responded to my inquiry about the meaning of recognition, criteria for getting the recognition, and lists of both recognized and unrecognized journals.

EPS introduced a new recognition scheme in 1988 and asked European publishing houses to submit their physics journal for EPS recognition. "EPS recognition of physics journal aims to raise and maintain standards without penalizing authors from poor countries by establishing a modus operandi," states their brochure. The criteria cover basic issues, such as the journal's place of publication being a country whose physical society is a full member of EPS.

Contributions to the journal must be original papers of direct interest to physicists. Contributions must be formally refereed, with one-fourth of the referees located in countries other than the principal. No page charges are required, and manuscripts are prepared in accordance with the *Europhysics Style Manual*. The journal's editorial board must represent several European countries. The journal may not exercise discrimination against

contributors for any reason other than scientific.

Below is a list of 37 journals and their publishers which have been recognized by EPS. Thomas declined to list journals which did not fulfill the criteria.

<i>Acta Physica Polonica A</i>	<i>Pan. Wyd. Nauk.</i>
<i>Acta Physica Polonica B</i>	<i>Pan. Wyd. Nauk.</i>
<i>Acustica</i>	<i>S. Hirzel Verlag</i>
<i>Advances in Physics</i>	<i>Taylor &amp; Francis</i>
<i>Astronomy &amp; Astrophysics</i>	<i>Springer</i>
<i>Astro. &amp; Astrophys. Supplement</i>	<i>Ed. de Physique</i>
<i>Bulgarian J. of Physics</i>	<i>Bulg. Acad. Sci.</i>
<i>Classical &amp; Quantum Gravity</i>	<i>IOP Publ.</i>
<i>Computer Physics Comm.</i>	<i>North-Holland</i>
<i>Czech. J. of Physics</i>	<i>Acad. CSAV</i>
<i>Int. Rev. in Physical Chemistry</i>	<i>Taylor &amp; Francis</i>
<i>Inverse Problems</i>	<i>IOP Publ.</i>
<i>Isotopenpraxis</i>	<i>Akad.-Verlag Berlin</i>
<i>J. de Physique</i>	<i>Ed. de Physique</i>
<i>J. of Magnetism &amp; Mag. Materials</i>	<i>North-Holland</i>
<i>J. of Modern Optics</i>	<i>Taylor &amp; Francis</i>
<i>J. of Physics A</i>	<i>IOP Publ.</i>
<i>J. of Physics B</i>	<i>IOP Publ.</i>
<i>J. of Physics Condensed Matter</i>	<i>IOP Publ.</i>
<i>J. of Physics D</i>	<i>IOP Publ.</i>
<i>J. of Physics G</i>	<i>IOP Publ.</i>
<i>Liquid Crystals</i>	<i>Taylor &amp; Francis</i>
<i>Molecular Physics</i>	<i>Taylor &amp; Francis</i>
<i>Il Nuovo Cimento A</i>	<i>Ed. Compositori</i>
<i>Il Nuovo Cimento D</i>	<i>Ed. Compositori</i>
<i>Philosophical Magazine A</i>	<i>Taylor &amp; Francis</i>
<i>Philosophical Magazine B</i>	<i>Taylor &amp; Francis</i>
<i>Philosophical Mag. Letters</i>	<i>Taylor &amp; Francis</i>
<i>Physica A</i>	<i>North-Holland</i>
<i>Physica B + C</i>	<i>North-Holland</i>
<i>Physica Scripta</i>	<i>Royal Swedish Acad.</i>
<i>Plasma Phys. &amp; Controlled Fusion †</i>	<i>IOP &amp; Pergamon</i>
<i>Reports on Progress in Phys.</i>	<i>IOP Publ.</i>
<i>Revue de Physique Appliquée</i>	<i>Ed. de Physique</i>
<i>Semiconductor Sci. &amp; Tech.</i>	<i>IOP Publ.</i>
<i>Zeitschrift für Physik A</i>	<i>Springer</i>
<i>Zeitschrift für Physik B</i>	<i>Springer</i>
<i>Zeitschrift für Physik C</i>	<i>Springer</i>
<i>Zeitschrift für Physik D</i>	<i>Springer</i>

† Special recognition at request of Plasma Physics Division

Molly White

### Miscellaneous

Some months ago a fire badly damaged physics materials at a library at Peking University. Materials are needed to replace those lost in the fire.

If you have surplus materials your library is able to donate, please contact Prof. T. D. Lee first. The best thing to do is to mail him a letter, along with a printed list of the surplus items. His address is: Prof. T.D. Lee/ Physics Dept/ Columbia University/ NY, NY 10027.

In the August 1991 *P-A-M Bulletin* physics column, I reported on the list of listservers in the physical sciences which is available from Kent State. The list was reported as Acadlist4. It is now, however, Acadlist File5 that has the physical sciences ( astronomy, physics, mathematics, statistics, and computer science) lists on it. To get this list, e-mail to list-serv@kentvm.bitnet and put in the message GET ACADLIST FILE5.

Carol Hutchins

### SLA Cataloging Survey

The Chair of the SLA Cataloging Committee has asked each SLA division to distribute a fact finding survey to its membership. The two page questionnaire begins on p.9 of this issue of *P-A-M Bulletin*. Please fill in your responses and return it to the address listed at the end of the survey. The deadline for responses is March 1, 1992.

The Cataloging Committee has scheduled its annual business meeting and open forum for Tuesday, June 9, 1992 at 3 PM. If anyone in P-A-M has suggestions for topics or speakers, contact Stephanie D. Tolson/ St. Louis Community College/ 5460 Highland Park Dr./St. Louis, MO 63110 or me, Mary Ann Southern/Math-Physics Librarian/ William R. Perkins Library/ Duke University/ Durham NC 27706.

Mary Ann Southern  
P-A-M Cataloging Liaison

## SLA CATALOGING COMMITTEE'S FACT FINDING SURVEY

1. Please check off the material types catalogued in your library:

- Books (Monographs and continuations) ..... \_\_\_\_\_
- Journals ..... \_\_\_\_\_
- Computer software ..... \_\_\_\_\_
- Non-print materials (audio/videocassettes, filmstrips, etc.) ..... \_\_\_\_\_
- Archives (in-house reports, lab notebooks, etc.) ..... \_\_\_\_\_
- Maps ..... \_\_\_\_\_
- Other (please list):

2. Please indicate the number of personnel who performs copy and original cataloging in your library:

- |                        | Copy  | Original |
|------------------------|-------|----------|
| Professional .....     | _____ | _____    |
| Paraprofessional ..... | _____ | _____    |
| Support .....          | _____ | _____    |

3. Please indicate areas in which you and your staff would like to see continuing education courses and/or conference programming developed. Indicate if content level should be for beginning (B), intermediate (I), or advanced (A):

- |                                       | B, I, A |
|---------------------------------------|---------|
| MARC format and tagging .....         | _____   |
| Serials cataloging .....              | _____   |
| Classification systems: .....         | _____   |
| Library of Congress .....             | _____   |
| Dewey .....                           | _____   |
| National Library of Medicine .....    | _____   |
| SuDoc .....                           | _____   |
| National Library of Agriculture ..... | _____   |
| National Library of Canada .....      | _____   |
| Other (please list):                  |         |

Descriptive cataloging:

- Anglo-American Cataloging Rules, 2d ed. rev. .... \_\_\_\_\_
- Other (please list):

Subject cataloging:

- Library of Congress .....
- Medical Subject Headings .....
- Canadian Subject Headings .....
- Other (please list):

Authority control systems:

- Library of Congress .....
- In-house Thesauri .....
- Other (please list):

**SLA CATALOGING SURVEY**—page 2

Access issues in automated and manual catalogs ..... \_\_\_\_\_  
Other (please list):

4. Please check off those functions in your library that are automated:

Acquisition	.....	_____	Public catalog	.....	_____
Cataloging	.....	_____	Serials catalog	.....	_____
Circulation	.....	_____	Other (please list):		

5. Please list the names of the automated system or systems you are using for the functions checked off or listed in question 4.

6. Do you use a bibliographic utility (e.g., OCLC, RLIN) for cataloging? If so, which one?

7. What do you consider to be the three most important cataloging issues facing special libraries?

8. What standard cataloging rules do you use (e.g., AACR2, AACR1, etc.)? If none, please so indicate.

9. Please list your information needs regarding cataloging and the organization of materials.

10. Please list comments and suggestions that you want to express to the Committee.

Please mail completed surveys by March 1, 1992 to:

Ann L. Kelsey  
59 Perry St.  
Whippany, NY 07981

**IFLA IN MOSCOW**  
or  
**How to Conference during a Coup**

IFLA was exciting and interesting, as usual, and my report on the professional activities is written elsewhere, but this year we had the added excitement of the coup d'état. Memories can fade quickly, but I am writing down some personal observations of the events in Moscow in mid-August.

I arrived in Moscow August 15, and had a chance to get my bearings to the city and the subways. Monday, August 19, just after noon, as I was going to the subway from the conference center, I wondered what might be wrong when I saw tanks going around a corner near the subway entrance. However, they continued on their way, the light changed, people crossed the street, and the subway, as usual, was quick and efficient.

As people gathered for the afternoon IFLA opening ceremonies, there were many rumors going around. At the opening ceremonies, the Minister of Culture (one of the speakers) was asked to give a brief update, and later he left the stage for awhile. More rumors followed during the reception, but the reception and ballet ("Romeo and Juliet") took place as scheduled at the Rossija Concert Hall. Some people left early, and some decided to go to the Kremlin (perhaps a block away from the hotel) to see the tanks. One of the American delegation was gathering passport numbers and hotel room numbers from as many people as could be located, in order to take the information to the American embassy.

News that evening in the Rossija came mostly from rumors and some French press agency news which had been put up on a column in a reception area of the hotel. There were also some Russian expatriates at the hotel attending a different conference who had some additional

information. We didn't get CNN at our hotel; the French and English language stations were taken off the air on our television. For awhile, the Russian television had classical music and ballet, as I remember it.

In the days to follow, they did have news conferences, footage of the tanks and armored personnel vehicles, etc. Monday evening the international phone in our lobby had lines of people waiting to get through, but many people reached only busy signals because of the overload on the telephone lines in Moscow.

There had been a call for a general strike, but Tuesday when we went to breakfast, we found staff mopping the lobby floors and serving breakfast, the buses to the conference center left on time, and the subways were running. Ordinarily, the bus ride to the conference center from the Rossija was about 15 minutes, but that morning, because barricades had gone up the day before, it took us about an hour and a half to get to the conference center. I found out later that another bus drove all over and finally went back to the hotel, so I guess we were lucky.

An announcement was made on Tuesday that the IFLA conference would go on, and the reception at the Pushkin Museum would take place that night. Instructions were sent out to be read at meetings of how to get there, that people should carry their passports with them at all times, etc. The subways continued to function exceptionally well. Some people took buses, which got there o.k. since they didn't have to pass the barricades. We had heard rumors that a helicopter was going to fire on the "white house" that evening, and I think many people chose to go back to their hotels. A curfew was called for 11 PM (I found out the next day), and people who were not in their hotels may have chosen to stay with friends at their hotels or take a chance, or whatever.

Since a number of people I talked with

didn't know about the curfew until 10:30 PM, time was short for compliance. The next morning we heard about the deaths near the "white house." Someone who knew Russian said that he thought the curfew had just been called to allow for the bloodshed to show that the coup leaders meant business.

On Wednesday a friend and I took the subway, since my section's program was to start at 9, and everything went well, although it was raining heavily during the 15 minute walk from the subway to the conference center. We waited a half hour for people to arrive from their various locations to begin the program. While our second speaker was talking, a lady came in and asked to make an urgent announcement. Finns in the audience staying at one of the hotels were asked to leave immediately and return to the hotel. Several people got up and left, and the speaker went back to speaking.

The noon announcement from the Executive Board said the conference would go on, and the reception at the Kremlin would take place that night, as scheduled. During our Standing Committee meeting at 2 PM, we were given some instructions by the IFLA Executive Director and assured that our IFLA badges were valuable assets for identification.

Soon after that meeting, we began to hear that the coup leaders had departed/were departing, and that the coup had fallen apart. The reception at the Kremlin that evening was a very happy one, with much gaiety and dancing. One of my Russian colleagues said she had been down by the Kremlin about 1 PM, and tanks were still there. However, they were all gone by 6 PM when the reception started.

Many rumors were to emerge about information received by Americans from the embassy, and some people made arrangements to return from Moscow earlier than originally planned. Some people said they were told to leave immediately, and some that they were to leave without

panic but soon. We heard the airport had been closed and that some people didn't arrive who had planned to come in on Monday or Tuesday. Whether that was so, I don't know.

I asked a Canadian colleague what his embassy said about the situation, and he said they said to "keep calm." A Russian colleague asked me if I was worried, and about all I could say is that if I was told to be worried, I would worry. There didn't seem any reason to leave immediately until we had more information, although had things become worse, I might have regretted that attitude.

On Wednesday, we had been asked by the Professional Coordinator to have our Coordinating Board elections early so the Professional Board could meet early the next day. We did so, but with events changing on Wednesday, much of Thursday's schedule went back to normal. I understand at least one workshop was cancelled because of lack of speakers, but an all-day workshop at which I was presenting a short paper was held, and the professional visits to libraries took place as scheduled on Thursday.

On Friday, August 23, a friend and I visited the barricades at the "white house." There were many people there; it was a very interesting experience. During the week the old Russian flag had come down; the "new," old yellow-blue-red flag replaced it. Streets were renamed somewhere along the way (I don't have a clear picture of which and when), and Leningrad was renamed the week following the IFLA conference.

A side effect of the coup took place on Friday at the Council meeting. The Executive Board thought (or knew) they wouldn't have a quorum for voting. However, the meeting covered the topics that would have been discussed though some items were held over for voting in the future. The closing ceremonies took place, although not all people who would have been recognized were present. The closing reception allowed us to say farewell to old

friends and new, and to delay final partings for a short time.

My post-conference tour to Kiev and Leningrad (as it was then known) was relatively uneventful. We had professional visits to the Library of the Academy of Sciences of the USSR and to the State Public Library in Leningrad. At the latter, one sub-group was given a tour by a survivor of the siege of Leningrad, a very interesting woman with many stories to tell. We also were given a reception and had the opportunity to meet with librarians from the two libraries and from a library school.

All in all, a very interesting time to be there.

Dorothy McGarry

## JOB OPPORTUNITIES

### Cataloger at Fermilab

The Fermilab Library has an immediate full-time opening for a cataloger. Under the direction of the Library Administrator, the successful applicant will catalog Fermilab-specific materials as well as items received from other laboratories and publishers into MARC records on the Data Research Associates library automation system. Responsibilities also include assigning LC subject headings and classification using the LC scheme. The individual will be able to coordinate and implement an authority control project.

Documentation of procedures is expected, as is the training of other library staff members. The individual may, on occasion, be required to perform other library duties.

#### Qualifications/Benefits

Two years experience with original cataloging of materials into a library automation system using AACR2 and LC Rule Interpretations. Familiarity with OCLC, Dialog, etc. Willingness and ability to learn aspects of computing, data processing, and image handling technology (CD-ROM and others) as applied to

the delivery of library services in a highly technical environment.

Four-year degree (B.S. or B.A.) and an ALA-accredited MLS degree. Ability to communicate verbally and in writing with library and computer staff via well-organized, well-structured, and properly written (e.g., good spelling) English documents.

Non-smoking work environment. Excellent benefit package including 24 vacation days per year. Annual salary range: \$28,000-\$38,000.

Fermilab (Fermi National Accelerator Laboratory) is engaged in the study of high energy physics with participation from researchers worldwide. Fermilab is located 35 miles west of Chicago in Batavia, Illinois.

Fermilab is an equal opportunity employer (M/F/H) operated by the Universities Research Association, Inc. for the U.S. Department of Energy.

Qualified individuals should send a resume to P. Garrett/ Mail Station 109/ Fermi National Accelerator Laboratory/ P.O. Box 500/ Batavia, IL 60510 or, via Internet, to LIBRARY@FNAL.FNAL.GOV.

### Physical Sciences/Math Librarian

The University of Notre Dame is seeking an individual with a unique combination of abilities: A strong background in the physical sciences; familiarity with computers and online searching; and enthusiasm for creating patron-focused branch library programs for our science faculty and students. This individual will supervise two paraprofessionals who oversee the daily activities of the Mathematics and Chemistry/Physics Libraries, but will focus most time on program design, patron communications, online searching, collection development, reference, and library instruction. As a department head, this individual will participate in divisional and library-wide planning.

#### Qualifications/Benefits

Graduate degree in Library Science from an ALA accredited program and a

degree in one of the physical sciences; substantial equivalent job experience may be substituted for some of the formal education; knowledge of the terminology and literature of the physical sciences and familiarity with online searching; commitment to developing patron-focused libraries which respond to the needs of these specific departments; and strong interpersonal and communications skills. Highly desirable are a degree in Chemistry and some supervisory experience.

Minimum salary is \$29,000; excellent benefit package.

Send letters of application and the names of three references to Peggy Weisert/ Human Resources Representative/ University of Notre Dame Libraries/ Notre Dame, Indiana 46556.

The University of Notre Dame is an equal opportunity employer. We are interested in creating a diverse community and welcome all qualified applicants. Applications accepted until the position is filled. The first review of applications will be November 20, 1991.



## DOCUMENT DELIVERY AT WASHINGTON UNIVERSITY

Faced with rising journal subscription costs and also lack of shelf space, Washington University has decided to try an "access" versus "ownership" approach. We hope to offer a fast and reliable delivery service for articles from journals we do not own rather than accept requests for new subscriptions (exceptions for some essential journals will be made).

A pilot project was started and run by our Chemistry Librarian, Rob McFarland, with the help of Chris Barkeshli, Departmental Libraries Assistant.

The purpose of the project was to determine which vendors were least expensive and most reliable, with the shortest delivery time possible. The following vendors were tried: CAS (Chemical Abstracts), Genuine Article (ISI), Ei (Engineering Index), Article Clearance (University Microfilms), Georef (American Geological Institute), MathDoc (AMS), Center for Research Libraries, John Crerar Library, and Linda Hall Library.

All vendors provided options for ordering documents online, by phone, fax and mail, and handled copyright fees. The costs were absorbed by the Washington University Libraries.

After a six-month trial period the Mathematics Library and other departmentals started their own direct document delivery service. From the point of view of mathematics, John Crerar and MathDoc were best suited. John Crerar was less expensive, but MathDoc much faster.

The enclosed appendices are from the report to be published soon by Rob McFarland. Appendix #1 is a table listing vendors used, basic and special charges, turnaround time, billing, and coverage.

# SCIENCE DOCUMENT DELIVERY SERVICES COMPARISON CHART

APPENDIX #1

Vol. 19, No. 2

VENDOR	METHOD OF REQUEST AND HOURS ACCEPTED	BASIC SERVICES AND CHARGES**	ADDITIONAL CHARGES AND SPECIAL SERVICES	COVERAGE	TURNAROUND TIME, BILLING, PROBLEMS, AND LIMITATIONS
<b>CAS</b> (Chemical Abstracts Service)	Mail - 24 hours Phone - 6:30a - 11:00p (M-F) Fax - 24 hours Online - 24 hours (DIALOG, OCLC, STN, ESA-IRS)	Basic document through STN (up to 25 pages) \$ 9.00 Basic document with CA or CIN Accession No. using any method of request other than STN \$13.00 Basic document requested with information other than above \$18.00 Each document over 25 pages \$ 3.00* Facsimile documents \$ 8.00* Special Delivery \$ 8.00* Same day service ordered between 1.00p-3.00p EST \$ 5.00*	Loan of an available item*** \$ 3.00 Loan of not immediately available item \$ 5.00 Return call on status of an order \$ 3.00 Cancellation of an order in process \$ 3.00 ***CAS will cut and loan those documents that cannot be photocopied because of copyright restrictions.	• Covers almost anything that can be found in <i>Chemical Abstracts (CA)</i> since 1975. • Covers Soviet journals in <i>CA</i> since the 1970's. • Covers <i>American Chemical Society</i> journals back to the 1800's.	<b>Turnaround:</b> Rush or Regular - 24 hours and Same Day (Additional 2-3 days for documents before 1981) <b>Billing:</b> Monthly invoices <b>Problems:</b> Call 1-800-848-6538
<b>GENUINE ARTICLE</b> (Institute for Scientific Information)	Mail - 24 hours Phone - 24 hours Fax - 24 hours Online - 24 hours (DIALOG, ORBIT, BRS, DIMDI, CLASS, OCLC)	Basic document (up to 10 pages) \$ 9.95 Each additional 10 pages \$ 2.50 30-Minute Facsimile documents (up to 10 pages) \$10.05* 48-Hour Facsimile documents (up to 10 pages) \$ 6.50* Special Delivery \$11.00*	Publisher copyright royalties Varies by item Extended Service (Items before 1987) \$ 7.75 Hotline Telephone Service \$ 4.00 Discounts for Account Customers	• Can access almost 7,000 journals from hundreds of subject areas. • Covers almost anything that can be found in <i>Current Contents</i> , <i>Social Science Index</i> , <i>Science Citation Index</i> , <i>Research Alert</i> , or the <i>ISI Database</i> .	<b>Turnaround:</b> Rush - 30 min., 24-48 Hours Regular - 48 Hours (Additional 3 Days for documents before 1987) <b>Billing:</b> Prepay for mail order items Prepay through credit Monthly invoices Deposit accounts <b>Problems:</b> Call 1-800-523-1850
<b>EI</b> (Engineering Information, Inc.)	Mail - 24 hours Phone - 8:30a - 4:30p (M-F) Fax - 24 hours Online - 24 hours (STN, DIALOG, Orbit, ESA/IRS, RLIN)	Basic document (up to 20 pages) \$15.00 Each additional page over 20 \$ 40 Facsimile documents up to 10 pages \$ 5.00* Facsimile documents over 10 pages \$ 50/pg* Special Delivery Billed at cost* Rush Service - Same Day \$15.00* Rush Service - Next Day \$10.00*	Publisher copyright royalties Over \$ 3.00 billed at cost Orders through RLIN 40% discount on basic document	• Covers almost anything that can be found in the <i>Engineering Index</i> and <i>COMPENDEX PLUS</i> .	<b>Turnaround:</b> Rush - Same day, 24 Hours Regular - 7 Days <b>Billing:</b> Prepay all orders (RLIN orders billed on delivery) Deposit Accounts <b>Problems:</b> Call 1-800-221-1044
<b>ARTICLE CLEARINGHOUSE</b> (University Microfilms International)	Mail - 24 hours Phone - 24 hours Fax - 24 hours Online - 24 hours (DIALOG, OCLC, TYMENET)	Basic document \$11.75 Facsimile documents (up to 20 pgs) \$ 9.00* + Rush 1st Class \$ .30/pg over 20 pgs Rush Overnight \$ 5.00 per article* + \$ 5.00 per article* + \$10.00 per package	Multiple copies (discount/ over 50) \$ 2.25 each up to 49 copies Full issues \$45.00 American Society for Testing and Materials Standards \$14.75 Discounts for Account Customers	• Covers more than 12,000 titles - scholarly and technical journals, popular magazines, conference proceedings, and transactions, newspapers, and government documents dealing with a wide range of subjects.	<b>Turnaround:</b> Standard - 48 Hours (Does not apply to pre-1987 items which take 4 days) Rush 1st Class - Same day* Rush Overnight - Same day* Fax Delivery - Same day* Monthly invoices <b>Billing:</b> Call 1-800-521-0600 <b>Problems:</b> (For orders placed before 1:30 pm EST)
<b>GEOREF</b> (American Geological Institute)	Mail - 24 hours Phone - 24 hours Fax - 24 hours Online - 24 hours (DIALOG, ORBIT, STN)	Basic document (up to 12 pages) \$14.00 Each additional page over 12 \$ .25 Rush documents (Express charges not included) \$ 8.00* Special Delivery At cost*	Publisher copyright royalties At cost Map copying \$ 1.30/sq.ft. Unfilled order \$ 3.00	• Covers whatever can be found in the <i>GeoRef</i> database, <i>Engineering Geology Abstracts</i> , or the <i>Bibliography and Index of Geology</i> .	<b>Turnaround:</b> Rush - 24 Hours Regular - 2-3 Weeks (Additional time for items before 1981) <b>Billing:</b> Billed upon delivery Monthly invoices Deposit Accounts Call 1-800-336-4764 <b>Problems:</b> Cannot fax articles
<b>MATHDOC</b> (American Mathematical Society)	Mail - 24 hours Phone - 7:30a - 5:00p (M-F) Fax - 24 hours Online - 24 hours (DIALOG, E-MAIL)	Basic document (up to 10 pages) \$14.00 Each additional 10 pages or less \$ 2.50 Facsimile document \$ .50/pg* Special delivery At cost*	Publisher copyright royalties At cost	• Covers whatever can be found in <i>Current Mathematical Publications</i> , <i>Mathematical Reviews</i> , and <i>MathSci</i> database.	<b>Turnaround:</b> Rush - 24 Hours Regular - 3 Days <b>Billing:</b> Billed upon delivery (5% discount on prepay through VISA/Mastercard) <b>Problems:</b> Call 1-313-996-5268

\* This charge is in addition to the "basic document" cost.

\*\* These are services and charges within the U.S.

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APPENDIX # 1  
SCIENCE DOCUMENT DELIVERY SERVICES COMPARISON CHART

VENDOR	METHOD OF REQUEST AND HOURS ACCEPTED	BASIC SERVICES AND CHARGES**	ADDITIONAL CHARGES AND SPECIAL SERVICES	COVERAGE	TURNAROUND TIME, BILLING, PROBLEMS, AND LIMITATIONS
<b>CENTER FOR RESEARCH LIBRARIES</b>	Mail - 24 hours Phone - 9:00a - 5:00p (M-F) Online - 24 hours (OCLC, RLIN, ENVOY, ALANET, CLASS)	Basic document (non-members) Basic document (members) Facsimile document (non-members) Facsimile document (members)	\$13.00 No charge No extra charge* No charge	* Covers a wide variety of subject areas through subscriptions to over 13,000 journals emphasizing foreign, scientific, and technical serials * Collects those materials most infrequently held by member libraries such as Soviet and South Asian serials	Turnaround: Rush - 24-48 Hours Regular - 24-48 Hours Prepay only Problems: Call 1-800-621-6044
<b>JOHN CRERAR LIBRARY</b>	Mail - 24 hours Phone - 8:30a - 5:00p (M-F) Fax - 24 hours Online - 24 hours (OCLC, DOCLINE)	Basic document (up to 25 pgs) Each additional 25 pages Facsimile documents Rush 1st Class Special Delivery	\$ 7.50 \$ 2.00 \$ 5.00* \$ 3.00 per article* At cost	* Contains over one million volumes covering a broad range of scientific, technical and medical interests * Can access over 48,000 currently received journals of the entire University of Chicago community	Turnaround: Rush FCM - 24-36 Hours Rush Fax - 4-24 Hours Regular - 5-7 days Billed upon delivery Deposit accounts Problems: Call 1-312-702-7031
<b>LINDA HALL LIBRARY (Science and Technology)</b>	Mail - 24 hours Phone - 9:00a - 5:00p (M-F) Fax - 24 hours Online - 24 hours (OCLC)	Basic document - postage and handling Facsimile documents Rush Mail (Sent within 24 hours FCM)	\$ 4.00 + \$ .50pg per hard copy item \$ .60pg per microform item \$ 10.00*** \$ 1.00pg per item \$ 9.00 per article*** ***includes base price	* Covers up to 85% of all journals related to Science and Technology except for medical, clinical, dental, nursing, and psychology * Covers back to the beginning of most journals that they cover.	Turnaround: Rush - 24 Hours Regular - 3-5 working days Billed upon delivery Fax order invoices/next day Call 1-816-363-4600 Problems: No copying in excess of "fair use"

Appendix #5 is my compilation of quarterly statistics for the document delivery service run at the Mathematics Library.

There are several other tables, which in the interest of space, we chose not to include here. These other tables include one which sums up quarterly operations of the document delivery service throughout our library system. Two others compare vendor responses for rush and regular orders respectively for the pilot project.

If you are interested in seeing these tables, I would be happy to send them to you. Contact me at c31801bl@wuvmd.bitnet or c31801bl@wuvmd.wustl.edu.

Only MathDoc was used by the Mathematics Library. Requests were submitted by telephone, thus adding slightly to the overall cost, but speeding things up considerably. Only 2 articles were requested to be sent by fax. Most articles, as requested, came by first class mail.

In conclusion, I would like to say that I am extremely happy with the service provided by MathDoc. I am now planning to use John Crerar as well and compare results over a longer period.

This new document delivery service for the faculty and graduate students has not been promoted actively as yet, so I'm expecting the number of users to increase when I announce it officially.

It is too early to make any decisions about cancellations, or for that matter, new subscriptions, but we all feel the pilot project was very valuable. Washington University Libraries, especially the sci/tech libraries, are going to offer this service on a regular basis from now on.

Barbara Luszczynska

## Washington U Doc Delivery

## Appendix #5

July—September 1991

Vendor: MathDoc

Journal Title	No. of Articles	Cost per Article †	Subscription Cost ‡	Turnaround Time(Days)	Users Faculty	Users Grad	
Advances in Control	1	19.00	89.00	2	1		
Boll. Un. Mat. Ital.	1	14.00	184.00	1		1	
Bull. Aust. Math. Soc.	1	18.50	136.00	5	1		
Circuit Sys. Sig. Proc.	1	20.50	175.00	2	1		
	1	20.50		2	1		
Comm. Math. Physics	1	18.98	2,505.00	5	1		
Ergodic Th. Dyn. Sys.	1	19.00	259.00	5	1		
	1	26.50		5	1		
IMA J. Control Info.	1	16.50	216.00	2	1		
	1	19.50		2	1		
J. of Elasticity	1	15.75	345.00	1		1	
	1	15.60		1		1	
Math. Cont. Signal Sys.	1	18.00	199.00	2	1		
Mathematical Notes	1	26.50	915.00	5	1		
	1	26.50		6	1		
	1	21.50		4		1	
	1	26.50		5	1		
Messenger of Math.	1	19.00	N/A	6		1	
Norsk. Mat. Tidsskrit	1	14.00	N/A	6		1	
Portugaliae Mathematica	1	14.00	90.00	1		1	
<b>TOTALS</b>	13	20	\$390.00	\$5,113.00	3 day average	13	7

†Cost per article includes copyright royalties. Does not include postage or fax. Total cost with postage and faxes was \$411.36.

‡Price Sources: Ulrich's and Faxon.

N/A = Not Available.

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**MEMBERSHIP NEWS**
**New Members**

- Bauer, Benjamin F.  
SilverPlatter Information Inc.  
Environ Publishing Group  
100 River Ridge Dr.  
Norwood, MA 02062
- Bauer, Francine  
10418 Haywood Dr.  
Silver Spring, MD 20902
- Matthews, Judith A.  
Michigan State University  
230 Physics-Astronomy  
W217 Science Library  
East Lansing, MI 48824
- Mirvis, Diane C.  
Brookhaven National Laboratory  
Technical Information Division  
Building 477  
Upton, NY 11973  
(516) 282-3489
- Moseley, Julia C.  
2036 Cambridge Drive, #5  
Lexington, KY 40504
- Natividad, Evelyn  
Adler Planitarium  
Library  
1300 S. Lake Shore Dr.  
Chicago, IL 60605  
(312) 322-0593  
(312) 322-2257 (FAX)
- Rankin, Samuel M. III  
American Math. Society  
P. O. Box 6248  
Providence, RI 02940  
(401) 455-4050  
(401) 331-3842 (FAX)
- Schwartz, Betsy J.  
Brookhaven National Laboratory  
Research Library  
Upton, NY 11973  
(516) 282-2758  
(516) 282-2090 (FAX)

Testi, Andrea R.  
P. O. Box 1381  
Tijeras, NM 87059  
(505) 277-4760

Wagner, Stephen C.  
844 Heberton St.  
Pittsburgh, PA 15206  
(412) 648-8190  
(412) 648-1245 (FAX)

**Dropped Members**

- Boemeke, Olga B.  
Princeton University  
Astrophysical Sciences  
Peyton Hall  
Princeton, NJ 08544  
(609) 452-3820
- Fish, Stephanie A.  
Geo-Centers Inc.  
Library  
7 Wells Avenue  
Newton Centre, MA 02159  
(617) 964-7070
- Kusma, Taissa T.  
American Math. Society  
P. O. Box 6248  
Providence, RI 02940  
(401) 272-9500
- Leete, Sally C.  
20975 Valley Green  
#238  
Cupertino, CA 95014
- Morris, Linda L.  
7924 Fairchild Avenue  
Canoga Park, CA 91306  
(213) 648-4668
- Naylor, Maiken  
24 Fenwick Road  
Tonawanda, NY 14150  
(716) 831-2165
- Reichardt, Randy  
University of Alberta  
Science Technical Library  
Edmonton, Alberta, Canada T6G 2J8  
(403) 492-7911

Seidler, Louise M.  
139 Danny Drive  
New Orleans, LA 70131

Senn, Catherine E.  
2007 Georgian Woods Pl., #21  
Wheaton, MD 20902

Spath, Linda C.  
Lillick McHose Charles  
Library  
2 Embarcadero Ctr.  
Ste. 2600  
San Francisco, CA 94111  
(415) 421-4600

Zachariasen, Nancy W.  
California Institute of Technology  
Computer Science Library 256-80  
Pasadena, CA 91125  
(818) 356-6704

#### Address/Name Updates

Armstrong, Barbara J.  
17136 Coyote Pass Lane  
Clovis, CA 93612

Bedford, Denise A. D.  
(301) 622-5361

Beiser, Antoinette  
asb@lowell.edu  
(no longer on SPAN)

Brown, Diane  
(510) 643-7662

Bunting, Diane J.  
(510) 643-9041

Chu, Ellen Moy  
(301) 492-0007 (FAX)

Cook, June A.  
4037 Fahrenkamp Ave., #A  
Fairbanks, AK 99709

Hilditch, Bonny M.  
Laurel, MD 20723

Holmstrom, Betty R.  
(602) 621-1532 (FAX)

Kamarei, Zahra B.  
402 Spruce St.  
Chadron, NE 69337

Lilly, Erica B.  
302 E. Vine St.  
Oxford, OH 45056

Martin, Harriet Z.  
(516) 282-3487

Mihm, Peter M.  
3933 Webster St.  
Oakland, CA 94609

Nagaraja, Jayashri  
Princeton University  
Chemistry Library  
Princeton, NJ 08544

Robertson, Kathleen A.  
(808) 988-2790 (FAX)

Salzer, Melodie A.  
37 High St.  
Middletown, CT 06457

Sublette, Doris L.  
2305 Don Patricio Dr.  
Tallahassee, FL 32304

Turhollow, C. Anne  
(619) 594-2900 (FAX)

Vaivods, Philene E.  
831 126 Pl NE, #B204  
Bellevue, WA 98005

Vierich, Richard W.  
(714) 787-3285 (FAX)

Wright, William F.  
(908) 582-2206  
(908) 582-2255 (FAX)

Total P-A-M membership as of October 16, 1991 is 165.

All members should check that their address with me is correct and complete. In particular, please make sure your address includes your *current* e-mail address and a FAX number if you have one.

The P-A-M members address database is updated every time new information is received. This file is available via e-mail from me (library@as.arizona.edu) or on a floppy via regular mail or phone. Betty Holmstrom/Steward Observatory/Parker Room Library/University of Arizona/Tucson, AZ 85721/(602) 621-2046.

Betty Holmstrom  
Membership

P-A-M Bulletin  
Tucker  
Mathematics Research Library  
University of Washington, GN-50  
Seattle, WA 98195

TO: