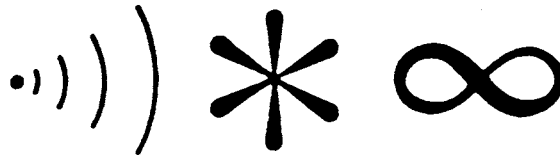


p·a·m

physics astronomy math



P-A-M BULLETIN

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MESSAGE FROM THE CHAIR

Conference planning for next June's Atlanta meeting is in full swing: I've been filling out forms to estimate attendance and AV needs at various PAM meetings. With the leaves just turning here in Virginia, I have to admit to a certain sense of unreality in making plans for June! But we have the following very real people to moderate our meetings: Physics Roundtable, Carol Chatfield; Astronomy Roundtable, Jane Holmquist; Mathematics Roundtable, Molly White; Vendor Update, Helen Knudsen. Nancy Anderson will moderate our PAM-wide roundtable and idea-sharing session. This year Science-Technology is organizing the Computer Science Roundtable (co-sponsored by PAM), and Jim Leonard will moderate.

The PAM-wide session and vendor update, as requested by members at the business meeting in Cincinnati, will be held on Sunday afternoon. In an effort to allow a bit more time if needed for the subject roundtables (another request from the business meeting), I've scheduled them in either the 10:30-11:45 am or the 3:00-4:30 pm time slots on Monday-Wednesday. I noticed in Cincinnati that meeting rooms were almost never used during the lunch hour and after the last scheduled afternoon sessions. I'm hoping that at these times there will be no incoming group, and roundtables will have the freedom to run over a little if necessary.

Plans are going forward for an interesting Monday afternoon session, organized by the Information Technology Division and co-sponsored by PAM and six other Divisions, called One-Stop Shopping: Integrating Information Resources. In the first part of the afternoon, a panel of three vendors/providers will discuss software and systems in use, and in the second part a panel of three librarians currently working with such systems will talk about their first-hand experiences. Bibliographies and other handouts will be provided.

You should have received your *Membership Directory* by now, along with a copy of our wonderful PAMphlet. Thanks to Betty Fridena (and her family members who helped!) for getting out the mailing. And, as always, we are very grateful to the American Mathematical Society for the printing. I think the new August distribution schedule will allow us to have a much more current directory, listing present officers rather than those whose terms have just ended.

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A few weeks ago I attended a day-long workshop on Copyright in the Age of Technology, sponsored by the Virginia Chapter of SLA. The instructor was Laura Gasaway, from the University of North Carolina Law Library. She's done a number of CE courses on copyright at SLA conferences, and regularly conducts workshops around the country. We covered everything from standard photocopying and ILL issues to thornier questions regarding computer, video, and tape mediums, as well as the ramifications of the Texaco case. I found the meeting to be extremely useful and very interesting, and would highly recommend that you take one of her courses if you ever have a chance.

Long-time PAM member Fran Waranius retired at the end of August from the Lunar and Planetary Institute in Houston, Texas. Fran has been a member of SLA since 1956, and a member of PAM since our very earliest days as a provisional division. She joined LPI in 1970 and was appointed Librarian in 1971. She cataloged the first book and began the first database in a library that now has more than 11,000 volumes and multiple computer databases. Until a memorandum of understanding established LPI as the repository for all NASA lunar data, Fran salvaged materials headed for the dumpster and hauled them in the trunk of her car to the library; some of these materials are now the core of the collection. Her strong belief in personalized service to each user meant that she made sure people saw items of interest to them, and in return people throughout her user community sent materials to her for the library. She was well aware of the importance of networking, and had long associations with many of us in libraries around the world. Happy retirement, Fran -- and drop in on one of our meetings in your future travels!

Ellen Bouton

PAM BULLETIN

The *PAM Bulletin* is published by the Physics-Astronomy-Mathematics Division of the Special Libraries Association. The *Bulletin* is issued four times per 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 JANUARY 15, 1994

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ADDENDUM

Marlene Cummins notes the following addition to the minutes of the PAM Business Meeting as published in the *PAM Bulletin*, vol.21, no.1, August 1993: "At the end of the meeting a discussion of and formal vote on the scheduling of the Division Hospitality Suite was held. The membership voted overwhelmingly to hold the open houses on Sunday through Tuesday, rather than on the traditional Monday through Wednesday."

ASTRONOMY NEWS

T-REX Update

Winston Churchill once said: "Writing a book is an adventure. To begin with, it is a toy and an amusement. Then it becomes a mistress, then it becomes a master, then it becomes a tyrant. The last phase is that just as you are about to be reconciled to your servitude, you kill the monster and fling him about to the public."

Distribution of the IAU Commission 5 *Astronomy Thesaurus* (T-REX) is about to begin. Astronomy libraries on the regular AAO mailing list and those libraries who responded to notices posted on the PAMnet and AstroLib listservs will receive one copy gratis. Because of costs, a limited edition run of only 1000 copies has been produced. Therefore, only one complementary copy is available per library. Additional copies may be purchased for \$25 AUD plus postage (\$10 AUD for air mail overseas and \$5 AUD within Australia). Orders may be sent to the librarian; prepayment is requested.

In addition to fulfilling the cataloging needs of librarians, the *Thesaurus* has many other uses: as a spell checker when indexing, as a cross-check for observatory passwords, as an aid in selecting correct terminology when writing scientific papers (use hypertext to browse through a compendium of interrelated terms), and as a source for identifying keywords when submitting papers for publication. The latter use will mean more accurate keyword selection for indexing and abstracting of papers by commercial publishers.

Although a diskette version was originally envisaged, the costs involved were prohibitive. However, for those wanting an online version, *Thesaurus* files are available through anonymous FTP. Instructions for FTP retrieval are included with each printed copy.

In addition to the financial support provided by the IAU, DITAC (Australia), and the Director of the AAO for this project, I am pleased to announce that the Sydney University Publications Support Fund has allocated a grant of \$3000 to assist in the publication and distribution costs of the *Thesaurus*. Apparently our publication was rated very highly by the review panel. The financial assistance received is much appreciated and has enabled us to promote and distribute a very professional product. Sincere thanks to all involved.

Robyn Shobbrook

SIMBAD Representative for Australia

I have recently been invited to become SIMBAD Correspondent for Australia. This appointment means:

1. Australian astronomers who wish to become users of the database should contact the AAO librarian for information.
2. The AAO librarian will act as liaison between Australian users and the SIMBAD team in Strasbourg, France.
3. The AAO librarian will provide demonstrations and tutorials as appropriate, e.g., at conferences and special workshops.

New arrangements for centralizing all SIMBAD accounts within Australia are being investigated. Further information will be forthcoming when plans are formalized.

Robyn Shobbrook

Journal Special Issues Catalog

The Lunar & Planetary Institute has made the *Journal Special Issues Catalog* available electronically. The catalog, begun in 1981, provides a description of special issues of journals, including editors, subject headings, and physical descriptions. It is very useful in tracking down conference proceedings, which is why it was started. However, it does not index individual papers in the issue. The catalog covers only titles in the Lunar &

Planetary Institute collection and focuses on geology, astronomy, geophysics, and astrophysics. To access the catalog, *telnet to lpi.jsc.nasa.gov*. Enter *lpi* at the user name prompt. Select the menu item *Information & Research Services*. Then select *Card Catalogs* from the next menu. VT100 emulation is required.

David Bigwood

ESO User's Manual

The *ESO User's Manual 1993* is now available. To receive a copy, interested institutions may contact Mrs. Elisabeth Hoppe-Lentner, Visiting Astronomer, ESO (European Southern Observatory), Karl-Schwarzschild-Str. 2, 85748 Garching, Germany; Internet visas@hq.eso.org.

Uta Michold

Floppy Almanac

A package containing the *Floppy Almanac* (FA) for 1994, 1995, and 1996 is now available from NTIS. This package contains the last yearly versions of the FA that the US Naval Observatory will produce. All FA users are being urged to make the transition to MICA (*Multi-year Interactive Computer Almanac*), which covers 1990-1999. MICA is also available from NTIS in both DOS (order no. PB93-500163LGG) and Mac (order no. PB93-500155) versions. Order from the US Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161; phone (703) 487-4650; FAX (703) 321-8547. Prices are as follows:
 Floppy Almanac (no. PB93-505840GEI)
 US, Canada, Mexico, \$30 (+ \$3 handling)
 Elsewhere, \$44 (+ \$4 handling)
 MICA in either version (order nos. above)
 US, Canada, Mexico, \$55 (+ \$3 handling)
 Elsewhere, \$80 (+ \$4 handling fee)

Brenda Corbin

LISA II

The proposed meeting of Library and Information Services in Astronomy II (LISA II) is now tentatively scheduled for Spring 1995, specific dates to be announced later. The venue is the European Southern Observatory in Garching, Germany. Although we had hoped to hold LISA II in August, 1994, just before the General Assembly, the IAU did not approve our request because that date did not fit within current IAU guidelines for meetings.

We encourage all astronomy librarians to communicate their thoughts about the contents of the program for this important meeting to any of the members of the Scientific Organizing Committee (SOC) listed below. We want this program to offer not only visions of the future but also discussion of current problems and solutions. Your input is definitely needed. As many of you know, LISA I was held in Washington, DC, in the summer of 1988 and was the beginning of many cooperative projects among astronomy librarians. We hope that LISA II will continue that tradition as the information explosion expands, but resources decrease. Again, please send suggestions to any of the following members of the SOC:

Dr. Miguel Albrecht, Chair
 ESO, Germany, malbrech@eso.org
 Brenda Corbin
 USNO, USA, lib@sicon.usno.navy.mil
 Marlene Cummins
 Univ. of Toronto, Astr. Dept., Canada,
astlib@vela.astro.utoronto.ca
 Uta Michold
 ESO, Germany, esolib@eso.org
 Robyn Shobbrook
 AAO, Australia, lib@aaoepp.oz.au
 Dr. Wayne Warren
 Astr. Sol. Phys-GSFC, USA,
w3whw@gibbs.gsfc.nasa.gov

Brenda Corbin
 Wayne H. Warren, Jr.

SERC EJ Film Atlas

Sue Tritton at the Royal Observatory Edinburgh (ukstu@starlink.roe.ac.uk) notified Sarah Stevens-Rayburn, Space Telescope Science Institute, about a delay in the distribution of the *SERC EJ Film Atlas*:

"For many varied and complicated reasons we are well behind with Issue 3 of the *SERC EJ Film Atlas*. So, it is most unlikely that you would get an invoice before the end of September. (Even if we did send an invoice we would not need payment until later.) If you want we are quite happy to invoice you in advance for the next shipment -- I know various institutions have different rules about paying in advance, etc. Just to let you know we can do this if it would help."

Donna Coletti

**Astrophysical Data:
Planets and Stars**

We just received an errata sheet from Springer-Verlag for *Astrophysical Data: Planets and Stars*, by K.R. Lang (ISBN 0-387-97109-2). Those who did not place an order directly with Springer might not receive the errata sheet, and since the accompanying letter says there were a number of errors, you may want to write and request a copy. The letter was signed by: Kate Frawley, Customer Service Manager, Springer-Verlag New York, 175 Fifth Avenue, New York, NY 10010.

Cathy Van Atta

Astronomical Almanac

The 1994 *Astronomical Almanac* has just been distributed by the Naval Observatory. However, the printer omitted what should have been page A87 containing a table entitled "Eclipses, 1994 Path of Central Phase: Total Solar Eclipse of November 3." This table is correctly printed on p. 73 of the 1994 *Astronomical Phenomena*, which was distributed in 1993. We suggest you photocopy this page and place it in your

copy of the 1994 *Astronomical Almanac* as page A87. If you do not receive *Astronomical Phenomena* and would like a copy of p. 73, please send a request to: Nautical Almanac Office, 3450 Massachusetts Ave, NW, Washington, DC 20392-5420.

Brenda Corbin

AAS Publications

Marlene Cummins, Library Liaison to the AAS Publications Board, provides the following from the *ApJ* editorial office.

Subscription Rates:		1993	1994
Journal	Institutions	\$695	\$740
	Members	\$155	\$165
Supp.	Institutions	\$180	\$180
	Members	\$35	\$40

Page Charges:

Part I	\$120	\$125
Part II	\$130	\$140
Supp.	\$110	\$115
Planos	\$50	\$55

Other ApJ News...

- *The second video will be released with the November 10 issue.
- *The CD-ROM is still in progress but there is no distribution date yet.
- **IAU Colloquium 142 on Particle Acceleration Phenomena in Astrophysical Plasmas* will probably appear in the December 1993 issue of the *Supplement*.
- *The INTEGRAL workshop will probably be in an early 1994 issue.
- *There has been extraordinary growth in submissions recently: 12% in 1991 and 10% in 1992.

(Note that Marlene received no response to her request for similar information from *AJ*.)

Donna Coletti

Survey of Radio Sources

A couple of astronomers are working on a huge survey of radio sources that will eventually total over one million items and

they asked me how to best make it available to the community. Obviously, it will be available electronically, but should it also be published on paper and, if so, how; that is, should it be published as (for instance) *ApJS* issues or as separate non-journal volumes? Should it be issued in separate parts (like the Parkes catalog, for example), or should they wait until it is complete? Please respond directly to me at library@stsci.edu.

Sarah Stevens-Rayburn

PPM-South

PPM-South is scheduled to appear in late November, at a price of about DM 300. The ISBN is 3-86025-131-7. The address of the publisher is Spektrum Akademischer Verlag, Vangerowstrasse 20, D-69115 Heidelberg. FAX (+49) 6221-912638.

David Wuolu

MATHEMATICS NEWS

The American Mathematical Society's Library Committee and its Electronic Products and Services Committee are jointly sponsoring a panel at the Annual Meeting of the AMS on January 14th, 1994, in Cincinnati. The panel is entitled, "Impact of Electronic Publications on the Mathematics and Library Communities" and is scheduled for Friday the 14th from 1:00 to 2:30 pm. Panelists include our own Martha Tucker, David Rodgers (AMS), John Franks (Chair of the Electronic Products and Services Committee), and Frank Quinn (VPI and SU), with Jim Rovnyak as moderator.

Details concerning registration, hotels, etc., will appear in *Notices of the AMS*. If you are going to attend the conference, please contact Nancy Anderson (217-333-0258, ndanders@vmd.cso.uiuc.edu). She would like to plan an evening for math librarians to get together for cocktails or dinner.

Mary Ann Southern
Nancy Anderson

Electronic Publishing System for ACM

According to a press release, OCLC and its subsidiary, Information Dimensions, Inc. (IDI), have been selected to develop an electronic publishing system for the ACM (Association for Computing Machinery). The OCLC/IDI in-house electronic publishing system will integrate the various ACM publishing functions into a unified, automated system that will encompass the writing, editing, composition, production, archiving, and, eventually, distribution of documents and publications. The system will be completed in 12 to 18 months.

"High-quality print journals, magazines, and books will continue to play an important role in ACM's distribution of leading-edge thinking and knowledge about information technology," said Joseph S. DeBlasi, ACM executive director. "But having it all in electronic form will make everything more widely and readily available in a timely, selective, and even interactive manner...."

Using the new system, ACM editors will receive documents from contributors in a variety of word-processing formats and enter them electronically into a working database where they can be edited, transmitted for review, and processed for composition and printing. The system will also enable the search of stored documents and the collection of documents on selected subjects. For example, a search on "parallel processing" could retrieve three chapters and four sections from seven different documents, which the system would then combine into one new document on parallel processing.

For more information contact Nita Dean, OCLC 614-761-5002, or Janet Nunn, IDI 614-761-7262.

Thanks to Deborah Kegel for bringing the press release to our attention.

New Journals in Mathematics

The number of new journal titles in mathematics continues to explode -- if only our serials budgets could keep up. I have collected the following list of new journal titles that appeared since 1992. If you would like an electronic copy of the titles I have compiled since 1990, please contact me via e-mail: janice@math.umn.edu.

Acta mathematica et informatica
Universitatis Ostraviensis

Applied and computational harmonic
analysis, Academic Press

Appl. categorical structures, Kluwer

Calculus of variations & partial differential
equations, Springer

Canadian applied mathematics quarterly,
Rocky Mountain Math Consortium

Chicago Journal of Theoretical Computer
Science, University of Chicago, electronic
format, expected in 1994

Combinatorics, probability & computing,
Cambridge

Communications in analysis and geometry,
International Press

Dynamic systems & applications, Dynamic

East-West j. of numerical mathematics, VSP

Experimental mathematics, Jones & Bartlett

Fractals: Int'l journal on the complex
geometry of nature, World-Scientific

Int'l journal of bifurcation & chaos, World

Int'l journal of computational fluid
dynamics, Gordon & Breach

Int'l journal of mathematical and statistical
sciences, Berkeley-Cambridge

J. of algebraic combinatorics, Kluwer

J. of algebraic geometry, AMS

J. of applied statistical science, Nova

J. of combinatorial designs, Wiley

J. of computational & graphical stats, IMS

J. of Fourier analysis & applications, CRC

J. of inverse & ill-posed problems, VSP,

J. of knot theory, World-Scientific

J. of mathematical imaging & vision, Kluwer

J. of nonparametric stats, Gordon & Breach

J. of numerical linear algebra with
applications, World-Scientific

J. of technology in mathematics, Academic

Mathematical methods of statistics, Allerton

Mathematical Research Letters, Int'l Press

Mathematische semesterberichte, Springer

Methods & applications of analysis,
International Press

Nonlinear mathematical physics,
W. Fushchych, ed. (Kiev)

Nova journal of algebra & geometry, Nova

Numerical mathematics: A journal of
Chinese universities, Nanjing University

Random & computational dynamics, Dekker

Russian journal of mathematical phys, Wiley

Set-valued analysis, Kluwer

Siberian advances in mathematics, Allerton

Siberian journal of computer math., Nova

Stochastic optimization & design, Nova

Topological methods in nonlinear analysis,
Juliusz Schauder Center (Poland),
Distributed by AMS

Janice Jaguszewski

Death of Proof?

The mathematics community is abuzz about a recent article in *Scientific American* entitled "The Death of Proof" by John Horgan (October 1993, p.92). The article explores the traditional role of the proof in mathematics and the emergence of computer proofs. Can mathematics be entirely automated? Read the article!

Janice Jaguszewski

PHYSICS NEWS

IOP Sets Goals for Near Future

An article by Alun Jones, chief executive of the Institute of Physics (IOP), discusses some of their planning strategies ("The Institute of Physics faces up to the challenge of change." *Physics World* vol.6 no.8, August 1993, p.57). The strategies focus on recruiting students into physics while making physics more high-profile in the media, increasing membership, and improving member services. IOP publishing activities seem to figure heavily into this organization's future. This article reports that the number of journal pages published by the IOP has nearly doubled in the past decade. The quote "... many of the activities associated with the Campaign for Physics and the provision of services to members would not be possible without the income generated from our successful publishing operation" demonstrates the importance of publishing to this society. A reduction in journal income is identified as a major threat to their success as an organization.

The following quote describes the state of IOP publishing ventures and indicates the direction they are planning to take. "The Institute's publishing division, in common with other science publishers, has been experiencing a decline in the number of journal subscriptions due to tightening of university and library budgets -- and there is no evidence, as yet, that this trend has bottomed out. In addition, the growth of electronic publishing is likely to have an impact on conventional journals. The Institute is involved in electronic publishing projects, some of them in collaboration with other publishers, but it is not yet clear whether income generated will compensate for the loss of income from conventional journals. Although the publishing division

has a well defined strategy to counteract this decline, the Institute must consider ways of generating additional income if it is to maintain its ambitious range of programs and services at the current level." I think it is interesting to speculate on which publishers they are collaborating with in developing electronic publications. The American Institute of Physics and American Physical Society are possibilities, as are the many arms of Elsevier Scientific Publishing and other commercial publishers. I hope that declining publishing revenues do not make professional societies lose track of why they are in publishing in the first place -- to foster scientific communication. The fact that publishing makes money for the organization should not overshadow the fact that fostering scientific communication between members is in itself a service.

American Physical Society and Electronic Publishing

Consultant Robert Kelly has been hired by the American Physical Society (APS) to work with its electronic publishing ventures. Kelly, now retired, was a longtime employee at IBM, where he worked for the past decade with electronic publishing. He is now setting up a pilot project to provide the Los Alamos National Laboratory with optically scanned disks containing *Physical Review* dating back to 1987 (*APS News* vol.2, no.10, Oct. 1993, p.11). A team at Los Alamos will be developing the project. The text, without equations and graphics, is planned to be made available through the Internet on a WAIS server. Graphics and equations are hoped to be added. If the project is successful, other journals will probably be added.

Building a B Factory -- Big Physics besides the SSC

We have all heard of the Superconducting Super Collider -- that \$11 billion physics project that gets so much media coverage. But a recent article in *Science* describes two research centers' competition to be the site of the B Factory (Flam, Faye. "Cornell Leads Battle of the B Factories." *Science* vol.261, Aug. 27, 1993, p.1111-1112). The two main players in this \$100 million to \$200 million project are the Stanford Linear Accelerator Center and Cornell University's Laboratory of Nuclear Studies. The article states that funding is likely for this project and that Cornell may be in the lead to build the facility due to its much lower price tag. In fact, the Cornell proposal is just over one-half the cost of that proposed by SLAC. A simply written explanation of the scientific goals of the project is given, as are pros and cons of each proposal.

A later story (Macilwain, Colin. "Stanford wins in bid for B factory." *Nature* vol.365, no.6446, Oct. 7, 1993, p.479) mentions that President Clinton announced that the facility will be built for \$177 million at SLAC. Despite the reasons mentioned above for building the cheaper facility at Cornell, the decision seems to be politically motivated and is touted as a means to aid California's sluggish economy. The only barrier to the facility's construction is funding approval through Congress. It will be interesting to see how this fares. Approval might be easier for this project than for the SSC as the price tag is much lower.

Young Scientists' Network Wins Two Seats on Governing Board of APS

The Young Scientists' Network (YSN), a large group of graduate and postdoctoral students who communicate over the Internet, have battled their way into positions of relative power in the physics community (Freedman, David H. "Young scientists'

network shakes up the establishment." *Science* vol.162, Oct. 1, 1993, p.24-25). Two YSN candidates pulled off upset victories over APS nominees by waging an e-mail petition drive to get on the ballot. The YSN candidates ran on only one issue -- jobs. They believe there are serious problems with the job situation for young scientists, and one of their recommendations is the restriction of graduate degrees granted in physics. This article goes on to describe the views of the YSN and the physics establishment with regard to potential changes that might be made in graduate programs. APS has begun some activities, such as surveying graduates, that will examine this issue in some detail.

Robert "Pat" Allen
Purdue University

INTERNET TELECAST

A video teleconference focusing on the Internet and designed for librarians, college and university teachers, and information specialists is scheduled for Thursday, December 2, 1993, from noon to 2:00 pm via satellite. The live, interactive teleconference will answer questions such as, What is the Internet? What equipment is needed to access the Internet? How does the Internet work? How does one navigate the Internet? How can the Internet be used for e-mail? What is FTP? What Internet resources can be accessed through Telnet? What are Gopher, Archie, and WAIS? How are librarians, college and university teachers, and information specialists using the Internet for networking, reference services, and research? A \$250 registration fee includes downlink access, informational literature distributed to each site, and full rights to tape the teleconference. For more information contact: D&F Associates, P.O. Box 785, DeKalb, IL 60115.

Alice Primack



**PAM
DIVISION AWARD**

It is time again for nominations for the PAM Award, which will be presented at our next business meeting. The guidelines, as written in the PAM Procedures Manual, are as follows:

"The award should be given for a significant contribution to the literature of physics, mathematics or astronomy or to honor work that demonstrably improves the exchange of information in physics, mathematics or astronomy. The contribution should also significantly benefit libraries or enhance the ability of librarians to provide service. It should be special -- above and beyond the normal job requirements of the individual(s) or group concerned. The individual(s) or group so honored need not be an SLA/PAM member."

This is your opportunity to suggest someone whose efforts you feel should be recognized. If you have any nominations or suggestions, please let me know right away (before you forget!). They may be sent via the Internet (library@noao.edu), by phone (602-325-9295), or by mail (KPNO Library, P.O. Box 26732, Tucson, AZ 85726).

Cathy Van Atta
Chair, Awards Committee

MEMBERSHIP NEWS

New Members

Keil, Christina L.
3361 Iowa Street, #202
Baton Rouge, LA 70802

Dropped Members

Mihm, Peter M.
Zelinka, Mark

Address/Name Updates

Andrews, Karen
remove from address: 405 Hilgard Avenue
zip code: 90024-1598
internet: andrews@seas.ucla.edu

Atkinson, Robert L.
fax: (708) 840-4636
internet: atkinson@fnlib.fnal.gov

Bell, Suzanne S.
Engineering & Science Library
Carnegie Mellon University
Pittsburgh, PA 15213
phone: (412) 268-6107
fax: (412) 681-1998
internet: suzanne@cs.cmu.edu

Bunting, Diana J.
retiring from Berkeley November 1993
new business address:
PROINFO
2116 Golden Rain Road, #1
Walnut Creek, CA 94595
(510) 939-9346
Compuserv: 72610,2637

Corbin, Brenda G.
3450 Massachusetts Ave., N.W.
Washington, DC 20392-5420

Dominy, Margaret "Peggy"
internet: pdominy@math.upenn.edu

Enrici, Pamela L.
University of Minnesota
Learning Resource Center Library
10 College Drive
Duluth, MN 55812-2496

Gomez, Maria E.

internet: mgomez@eso.org

Griggs, Janice M.

change name to: Jaguszewski, Janice M.

internet: janice@math.umn.edu

Lo, Mei Ling

60 Gill Lane, #1G

Iselin, NJ 08830

Michold, Uta

European Southern Observatory

Library, Karl-Schwarzschild-Str. 2

85748 Garching bei Munich

Germany

internet: esolib@eso.org

Miller, Thurston

University of Notre Dame

Chemistry/Physics Library

Mathematics Library

Notre Dame, IN 46556

phone: (219) 631-4549

mailing address:

3600 N. Main #11

Mishawaka, IN 46545

internet: miller.115@nd.edu

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115 Fifth Avenue

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phone: (212) 254-3232

fax: (212) 254-9499

Reichardt, Randy

internet: rreichar@vm.ucs.ualberta.ca

Shelton, Gregory

3450 Massachusetts Avenue, N.W.

Washington, DC 20392-5420

phone: (202) 653-1499

fax: (202) 653-1497

internet: gas@lake.usno.navy.mil

Shobbrook, Robyn

phone #s: +61 2 372 4800 (switchboard)

+61 2 372 4814 (library)

fax: +61 2 372 4880 or 4860

Toombs, Hannelore Sylvia

Physics Library

Washington University

Box 1105

1 Brookings Drive

St. Louis, MO 63130

area code on phone & fax: (314)

internet: sylvia@howdy.wustl.edu

bitnet: sylvia@howdy.wustl.bitnet

White, Molly T.

Physics-Mathematics-Astronomy Library

University of Texas at Austin

RLM 4.200

Austin, TX 78713

phone: (512) 495-4610

mailing address:

1200 S. Fifth

Austin, TX 78704

internet: llmtw@utxdp.dp.utexas.edu or

lyaa031@utxvm.cc.utexas.edu

Membership as of July 31, 1993, is 184.

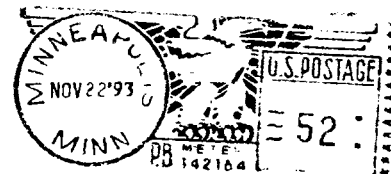
Betty Fridena
Membership

Congratulations!

As Ellen Bouton notes in her Message from the Chair, we wish Fran Waranius the best as she begins her retirement. Fran noted on PAMnet that "I love being a librarian and I have thoroughly enjoyed my association with many of you. I am ready to open a new journal book and enjoy some of those things that there is never enough time to do... travel, reading, gardening, needlework, correspondence, and some time with my dear husband and friends.

If anyone needs something from our library at the Lunar and Planetary Institute, I recommend contacting Mary Ann Hager (Hager@lpi.jsc.nasa.gov) or Stephen Tellier (Stephen@lpi.jsc.nasa.gov). The Library general telephone number is 713-486-2182; FAX 713-486-2186."

P-A-M BULLETIN
Griggs
Mathematics Library
310 Vincent Hall
University of Minnesota
Minneapolis, MN 55455
USA



SLA/PAM ARCHIVES
Jack Weigel
Science Library
311 UGL
University of Michigan
Ann Arbor, MI 48109