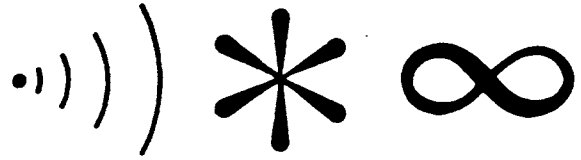


# p·a·m

physics astronomy math



## P-A-M Bulletin

Volume 17 No. 2

November 1989

### MESSAGE FROM THE CHAIR

Bruce Peitz

We have a schedule for the Division's activities at Pittsburgh next June. Most of it is fairly cut and dried, but there are a couple of variables that have yet to be completely settled.

Sunday, June 10:

Exhibits are open 12-5

Division Suite (or substitute) open in the evening for an informal meeting

Monday, June 11:

Executive Board 1989/90 meets 8-9 a.m.

Exhibits are open 8:30-5

Vendor Update is from 1:30-3

Astronomy Workshop is from 3-4:30

Division Hospitality Suite, 9-12

Tuesday, June 12:

Division Suite open for informal meeting from 7:30-9 a.m.

P-A-M Business Meeting from 9-10:30

Mathematics Workshop from 10:30-Noon

Computer Science Workshop, co-sponsored with Sci-Tech and Chemistry (with Chemistry actually running it this year), from 1:30-4:30

Division Hospitality Suite, 9-12

Wednesday, June 13:

Executive Board 1990/91 meets 8-9 a.m.

Physics Workshop is from 1:30-3

Special Dinner Event in early evening

Division Hospitality Suite, 9-12

Thursday: Field Trips

I don't say that there might not be changes, if some problem comes up with the schedule and those running the different parts of it, but that's the Present Scheme.

One of the Variables is the Special Dinner Event on Wednesday. What is planned is a celebration of P-A-M's 15th anniversary, at some nearby restaurant, similar to the 10th Anniversary celebration in Winnipeg. This would be handled outside SLA, avoiding the Ticketed Even fofoeraw, so it can be fairly flexible (and low-priced -- \$25.00 maximum, I'd think). The Question is: How many are interested? I have no problem if only a dozen or so want to go to such a thing, but if 40 or more want to do so it may require searching more widely for a venue. Let me know -- e-mail or postcard or whatever -- if you're interested.

Anyone who actually reads the SLA Annual Report will find that P-A-M is one of the eight Divisions reporting the presentation of a Divisional Award last year. (It's on the last page of the Report, if you're curious.)

To those members who weren't at the New York Conference and have been wondering where their copies of the Directory are: there was a glitch in the shipping system between the American Mathematical Society in Rhode Island and the P-A-M Administration in California. The problem is being dealt with, and with luck, your Directories will have arrived before this 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. Subscriptions are free to P-A-M members and retired P-A-M members. Paid subscriptions are accepted: the cost is \$9.00 per year. Checks should be made payable to PAM-SLA.

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 Deadline for next issue: February 1, 1990  
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#### ASTRONOMY NEWS

##### Fran Waranius

Astronomy Workshop at the SLA Annual Meeting was held on Tuesday June 13. Our guest speaker was Marion Schmitz from California Institute of Technology. Marion discussed the new NASA/IPAC Extragalactic Database (NED) which he and his colleagues are developing. It is an effort to establish an on-line service to the astronomical community providing access to all published data on extragalactic objects. This single, up-to-date archive is organized for fast data retrieval and flexibility and will be open to remote access by astronomers world-wide. The NED will provide data, bibliographies, and abstracts from the scientific literature and the standard extragalactic catalogs. The present schedule calls for a prototype system with partial functions for testing by the end of summer 1989, and for the "routine operations phase" to start by October, 1990. Marion can be reached at CalTech, IPAC/NED, MS 100-22, Pasadena CA 91125; Phone: 818-584-2994 or electronically through BITNET: zb4ms%ipac@hamlet; SPAN: romeo::"zb4ms%ipac" or INTERNET: zb4ms@ipac.caltech.edu.

Ellen Bouton, NRAO, discussed the problem of the duplication of NASA Conference Publication 2439 as Astrophysics and Space Science Library v.153. Kluwer has indicated that they had expected the contributors to rewrite their contributions

and they also felt that NASA CP's were not widely distributed. However, they have offered to accept volumes returned for credit...even those which have been processed. Ellen also reported on the possibility of an "Astronomy only" electronic mail list being maintained at NRAO as a subset of the PAM list being maintained at the University of Kentucky. (Watch this space for more developments about this list.)

In addition, Ellen relayed some information from Anne Fishburn concerning the formation of the European Group of Astronomy Librarians (EGAL). Ellen has received a copy of their preliminary newsletter along with a questionnaire for people who would like to receive it.

Ellen also commented on the importance of getting materials to our colleagues in foreign libraries. Based on her experiences in Europe this spring she noted how difficult it was for astronomy libraries in countries like Poland to get books and journals. She emphasized to us the value of the twinning project and the exchange of duplicates lists with other libraries. A number of people commented on programs which are ongoing at their institutions such as Smithsonian, NRAO, Argonne, and AAS. (As I get more information about these exchange programs it will be reported here.)

Marlene Cummins, University of Toronto, reviewed the twinning project for us. This project was designed to bring together astronomy librarians from foreign countries with a colleague in the U.S. in an informal one-on-one basis. As Marlene said, "the only thing needed is a pen and paper." If anyone is interested in participating in this program, contact Marlene and she will pair you up.

Marlene also reported on the Astronomy Thesaurus project, affectionately known as T-Rex, which was begun by Robyn Shobbrook at the Anglo-Australian Observatory. The project has progressed through the stage of accumulating the alphabetical terms and had been given to Wolfgang Lutz who had offered to bring it up to the next level by adding cross references, etc. Robyn has had difficulty in getting any word of progress from Mr. Lutz and is hoping to pursue some other avenues so that the project can be brought to fruition hopefully by the next PAM annual meeting.

Brenda Corbin, US Naval Observatory, reported to us the progress on the publication of the "Explanatory Supplement to the Astronomical Almanac." Plans are to have it available by the end of the year. It is possible that it will be published by a private vendor rather than Her Majesty's Printing Office with the hope that it will stay in print "forever and ever." The FK5 (Fifth Fundamental Catalog) has been available for about 8 months on mag tape. However, the printed version is not yet available and the report is that

## Astronomy Workshop (continued)

it will be "soon." The Interactive Computer Ephemeris (ICE) which brings the benchmark standards of the Astronomical Almanac, the Nautical Almanac, and the Air Almanac to microcomputers, is available currently for IBM PC's and compatibles, from the Nautical Almanac Office for \$35.00. Editions of the Floppy Almanac covering the years 1989 through 1999 are available for MS-DOS, VAX/VMS and VM/CMS operating systems, from the Nautical Almanac Office. Prices vary by system.

Brenda also reported that Wayne Warren is proposing a working group on astronomy libraries be formed as part of the IAU Commission 5. He has drafted the proposal to George Wilkins but has not as yet had a reply. As soon as he does, he will approach PAM formally to be represented on the working group. LISA Proceedings, co-edited by Sarah Stevens-Rayburn and George Wilkins, will be published by the Naval Observatory and will be distributed to those libraries on USNO exchange list. This proceedings volume should be available in 2-3 months.

A flyer was distributed describing the new book by Paul W. Luther "Bibliography of Astronomers: Books and Pamphlets in English by and about Astronomers. v.1 The Spirit of the 19th Century". Brenda reports that this is an excellent reference for those who have any historical astronomy in their libraries.

Other comments were made by Joyce Rey-Watson concerning SIMBAD and some of its communication problems. She will be demonstrating it at the Astronomical Society of the Pacific annual meeting, and of course, is most happy to help anyone who is attempting to use it.

## SOME POST-CONFERENCE TIDBITS:

Dieter Brueckner reports that the Canadian Astronomical Society has a modest programme for sending astronomical journals, texts, and monographs no longer needed by its members to institutions that can use them and could not otherwise afford them. The materials are free, but they may have to ask for some help in covering some or all of the shipping charges. Enquiries can be directed to either Dieter Brueckner, Dept. of Astronomy, University of Toronto, Toronto, Ontario, Canada M5S 1A7 OR Alan H. Batten, Dominion Astrophysical Observatory, 5071 West Saanich Road, Victoria, British Columbia, Canada V8X, 4M6.

WARNING: Another Kluwer volume! "Long term evolution of planetary systems, proceedings of the Alexander von Humboldt Colloquium on Celestial Mechanics", edited by R. Dvorak and J. Henrard was originally published as Celestial Mechanics

v.43 no. 1/4. The Kluwer announcement does not indicate that the \$144.00 book is reprinted from the journal.

FURTHER REPORT ON ASSL 153 - Returns in the U.S. should be addressed to Norwell MA Attn. Stephen Dane. Returns from Europe should probably be addressed to Gert Kiers. The NASA CP-2439 may be available through the ESA Office. It would be worth a try.

DUPLICATE PUBLICATION - Bruce Pelz reports that the following publications are exact duplicates except for the title page and an added title page on the verso: International Encyclopedia of Astronomy, edited by Patrick Moore, Introduction by Leif Robinson. Orion Books, NY, 1987 AND Astronomy Encyclopaedia. General editor: Patrick Moore. Mitchell Beazley, 1987.

NOTE: Please do forward to me any items of news in the world of astronomy literature which cross your paths. I can be reached electronically on SPAN, LPI::Fran, or by phone or letter. (See your PAM Directory.) Thanks.

## ASTRONOMY UPDATE

by Fran Warran/LPI

For those of you who are attempting to keep up with the publication of the PROCEEDINGS OF THE LUNAR AND PLANETARY SCIENCE CONFERENCE, the Proceedings of the 20th Conference, March 1989, will be published and solely distributed by the Lunar and Planetary Institute. There is a special pre-publication price for library orders only of \$42.50. Shipping and handling charges US/Canada/Foreign surface is \$8.00; Foreign Airmail is \$35.00 additional. There is a 7% sales tax for Texas delivery. This offer is in effect until February 1, 1990. After that the regular price will be \$50.00. To order send check, money order, or completed purchase order to the Order Department, Lunar and Planetary Institute.

Sarah Stevens-Rayburn has received some information from Edith Sachtschal, ESO-Munich Librarian concerning the 9th European Regional Meeting. Prof. K.A. Pounds, University of Leicester, (where the meeting occurred) reports that there will be no formal proceedings published for this meeting.

## JOURNALS INCOMPLETE

Check your Ap.J. Brenda Corbin reports that her 15 August issue (Ap.J. 343 #2 pt.1) had blank pages instead of text for pages 907-938. Ap.J. will replace any defective issues.

Also Liz Bryson found missing pages in PASP v.99. The article by Hesser which begins on p. 739 may be incomplete.

**Astronomy Update (continued)**

She discovered that pages 793-808 were missing. The issue will be replaced if yours is defective.

**REQUEST FOR BACK JOURNALS**

Dept. of Physics and Astronomy at Rutgers University is trying to build up their departmental astronomy collection. If anyone has any duplicate journals appearing on the list below, please contact Dr. Merritt.

Missing journals: Physics and  
Astronomy Library

c/o Dr. David Merritt  
Dept. of Physics and Astronomy  
Serin Laboratories  
Rutgers University  
Piscataway, NJ 08854  
(201) 932-5742  
merritt@ruthep.bitnet

The Astrophysical Journal

Supplement: vols. 1-50

The Astronomical Journal: vols. 1-62

Astronomy and Astrophysics

Supplement: vols. 1-76

Mercury: vols. 1-27

Monthly Notices of the Royal Astron. Society: vols.  
1-109

Publications of the Astron. Society of Japan: vols.  
1-40

Soviet Astronomy: vols. 1-13

Postage will be reimbursed for materials mailed LIBRARY rate. Please notify Dr. Merritt before shipping to avoid any duplication.

**MATHEMATICS NEWS****Martha Murdoch**

Notes from Math Workshop, June 1989,  
SLA Conference, NY,  
cont'd:

Dr. William Jaco, new executive director of the AMS, spoke on the long range goals of the AMS. In the past the AMS has always responded well to requests from their members. Now the AMS hopes to become more aggressive in acquiring or initiating works of high scientific quality. The AMS is very sensitive to the financial problems of libraries and is trying very hard to keep their journal expenses down. The AMS anticipates only a 5.3% increase in 1990 in the costs of their research and translation journals.

Dr. Jaco also told of the particular emphasis that the

Soviet translation program is getting now from the AMS. They have hired an acquisitions editor for the Soviet program and hope to be more competitive in getting high quality works. The AMS is starting a new book series tentatively called, "Advances in Soviet Mathematics", which will publish 10-15 books per year of collected papers on current Soviet research on a discrete topic. Currently the AMS publishes 7 Soviet translation journals. In the works are perhaps 2 more titles. One, called Leningrad MATHEMATICAL JOURNAL, is a translation due to appear in 1991 of a new Soviet journal, ALGEBRA I ANALIZ. The AMS is trying to get more Soviet applied math in translation too. The contracts for translating the other Soviet journals are up in 1990 and are being currently being renegotiated. The Soviets look on scientific writings as a major export and are hoping to improve past arrangements.

Overall the AMS will increase their book publication program over the journal publishing program this year. The AMS publishing program will bring out two other new book series--a graduate text series, and a collected works series. Translations of Chinese and Japanese texts will appear in these series. A reprint series of classical math texts is already approved and should begin soon. Other good news for librarians--the AMS is looking at alternatives to the prepayment requirement and should have something in place in 1990.

As mentioned before, the AMS is concerned about the problems libraries are facing. At two upcoming national meetings of department chairs, the AMS hopes to raise this issue and get going on some solutions. The AMS plans to form a committee of mathematicians and math librarians to study how mathematicians use research libraries and what can be done to improve their situation. (See below).

**RECENT MATH NEWS:**

Nancy Anderson reports that the AMS recently named an Ad-Hoc Library Committee to study library issues which affect the mathematics research community. Four librarians--Jack Weigel, Michigan; Mary Ann Southern, Duke; Nancy Anderson, Illinois; and Dorothy McGarry, UCLA; and four mathematicians--Richard Askey, Wisconsin; Bob Doran, Texas Christian; George Seligman, Yale; and Chair, Jim Rovnyak, Virginia were appointed. If anyone knows of, or has done cost studies of math serials and/or monographs, please contact Dorothy McGarry.

R.G. Bartle, Executive Editor, MATH REVIEWS, announces that beginning in 1990, CMP will use issue year rather than volume number in its numbering. Thus the January issue will be 1990, Number 1. This is being done so that the year of publication will be in evidence.

## Math News (continued)

Dr. Bartle also had a note from Helva Tal, math librarian at Bar-Ilan University in Israel. They use the 1969 ed. of MR classification for their books and wondered if any American libraries used the 1985 version of the classification system AND could send a print-out of their holdings? Anyone?

Last item: Personal TEX finally released a TEX driver for the HP Deskjet and Deskjet Math News (continued)

Plus printers. These printers are nice for libraries because they are quiet and relatively inexpensive (\$400-\$600). We are using one with MATHSCI DISC. The driver is available thru the AMS.

AMS' 3rd cost-comparison study of math research journals is just published in Notices of the American Mathematical Society, Nov. 1989, v. 36, no. 9, p. 1193-1198. It is quite revealing.

Please send items for inclusion in the next Math Column to: Martha Murdoch, Math Research Library, GN-50, University of Washington Libraries, Seattle, WA 98195.

BITNET: Murdoch@UWACDC

### Special Libraries Association 1989 Computer Science Workshop Results

By: Derek M. Kozikowski (Digital Equipment Corporation)  
Nancy Zachariasen (California Institute of Technology)

#### Abstract:

Participants in the 1989 SLA Computer Science Workshop provided a rich selection of useful information on sources and methods of obtaining state-of-the-art information in computer science. This paper outlines that information for all those who could not attend the workshop.

Disclaimer: The views expressed here are those of the authors and are not necessarily those of Digital Equipment Corporation.

#### Introduction

The 1989 Computer Science Workshop was organized as a brainstorming session to try to identify the sources and methods of obtaining information resources which contain leading edge, or state-of-the-art, information in the computer science/engineering field, in formats that our clients can effectively use. Throughout the discussion, participants were encouraged to provide any information they felt would be useful to the group. Although the actual

discussion wandered from topic to topic, we have arranged the bits and pieces of information into related groups.

#### Publications

The most obvious source of recent information is published media. Conference proceedings, book reviews, and periodical articles immediately come to mind. Other possibilities include: reports from industry groups or research institutions on recent trends, such as the **Informatization White Paper** (The **Informatization White Paper** can be ordered from the Japan Information Processing Development Center, Fuji Corporation, Han-ei Danini Bldg., 6F, 10-1, Shinjuku 1-chome, Shinjuku-ku, Tokyo 160, JAPAN), and bulletins such as the **Bulletin of the European Association for Theoretical Computer Science** from West Germany which contains abstracts of technical reports and conference announcements. In addition, informational material from the publishers can be valuable. For example, the Association for Computing Machinery (ACM) will soon publish the **New Publications Alert and Librarians' Newsletter** twice a year. Among its valuable features, the newsletter will list all ACM-sponsored conference proceedings published in the previous four to six months, and indicate whether the proceedings will be published simultaneously with an ACM Special Interest Group publication. The ACM will also publish **New Book Announcements** which will list conference proceedings and books co-published with Addison-Wesley. Some of the information included will be the table of contents for each conference, and which organization will be publishing the book.

Technical reports are also a common source of information on what is currently being worked on in the field. These are important not just for their timeliness, but also because some of them are never published in regular periodicals. Access is generally through published lists of an institution's technical reports, which can be obtained by requesting to be placed on their mailing list. Stanford is trying to make its bibliographic database of technical reports available through a database vendor. It was also reported that IBM's **Research Advance Reports** are available on an exchange basis with universities through the IBM Thomas J. Watson Research Center Library in Yorktown Heights, NY.

Many people mentioned the work of Laurence Leff, who acts as a one-man clearinghouse for technical reports from around the world. He has developed an electronic mechanism for the distribution of technical report lists, often with abstracts, from universities and R&D labs. People producing technical reports send a copy of their list to him, and he then distributes those lists to people on his mailing list, via electronic mail. If you send him your list, he will

## Computer Science Workshop (continued)

send you all the other lists he receives from other institutions. (For information on Laurence Leff's listing service, send electronic mail to him at the address `smu!leff@uunet.UU.NET`, or `smu\!leff@uunet.UU.NET`)

## Online sources

Access to published materials is, of course, available online. Some of the databases mentioned were those we may be familiar with, at least one of which is soon to be enhanced. The American Mathematical Society (AMS) is currently loading the **ACM Guide to Computing Literature and Computing Reviews**, to the `MATHSCI(registered_symbol)` file on DIALOG, hoping to make them available at the end of summer 1989.

STN's new online database, *Compuscience*, was introduced in June 1989. It was produced through the cooperation of the ACM, EATCS (European Association of Theoretical Computer Science), GI (Gesellschaft fuer Informatik), and GMD (Gesellschaft fuer Mathematik und Datenverarbeitung). In addition, the European Association for Grey Literature Exploitation (EAGLE) has made available a database on STN called *System for Information on Grey Literature in Europe* (SIGLE). (For more information, contact Edward P. Donnell, STN International, 2540 Olentangy River Road, PO Box Q2228, Columbus, Ohio 43202; 614-447-3624) Finally, the Turing Institute of Glasgow will soon make TURI, its bibliographic database of computer science and artificial intelligence information, available on Data Star. (Data Star is a database vendor in London, with a U.S. office in Wayne, Pennsylvania. Contact numbers are: 1-800-221-7754 or 1-215-687-6777.)

## Nonpublished sources

What about information that is not published? How do we find out about current, ongoing research? There are various sources for identifying this research. **Federal Research in Progress** is a database available through DIALOG. There are various grant and government contract directories. The National Science Foundation is working on pooling together a database of funded research. And, of course, our own organizations should be able to provide a listing of work being done internally.

While we are looking for state-of-the-art information, it is important not to lose sight of its relevance to the work of our clients. They are a rich source of leading edge information. Ways to determine our clients' needs include: identifying what kinds of information they ask for, in what subject areas they borrow materials (most automated

circulation systems should be able to provide this information), or directly surveying the clients for their areas of interest.

Some imaginative ways of compiling information on the subject interests of clients were suggested. One person administered a simple library orientation test at faculty meetings. When many of them received failing grades, they showed greater interest in learning more about the library and its services, so they were more open to discussing their needs and interests. Another person explained that when they wanted to utilize Aggi Raeder's (UCLA) `dBase III+` program, they made it available to the faculty for viewing. The participants enjoyed being able to see their own names and interests included in the database, and so had a greater interest in providing the necessary data.

## Advanced technology

The discussion of sources for state-of-the-art information also touched on the various technologies available to get this information. The MIT Media Lab is doing a lot of interesting work, including a prototype experiment for an information service which, through electronic mail, provides **New York Times** articles based on a predetermined profile.

Electronic bulletin boards and mailing lists on particular subjects are widely available through such information vendors as CompuServe and MCI. These often include technical report and conference announcements, articles, and conversation. Various bulletin boards, or "news groups", are available on USENET. In addition, Joanne Goode, of the Physics, Astronomy, Mathematics Division, is currently maintaining a listing of electronic mail addresses of PAM division members. You should contact your local information systems people for assistance with using electronic mail in your organization.

## Summary

The wide variety of information sources was only touched upon during our discussion. Published materials and unpublished sources were suggested. Techniques for determining clients' needs and introduction to some of the new technologies available to us were considered. The active participation of the entire group made the difference in this successful workshop. We hope that others will benefit from these results.

**ACKNOWLEDGMENTS** Special thanks to Karen Sluzenski and Carolyn Schroeder from Digital Equipment Corporation, and to Cynthia Estrada from the California Institute of Technology, for their assistance with this workshop.)

**News from IPAC****Helen Knudsen**

The second version of The Extragalactic Catalog (also known as Catalogued galaxies and quasars observed in the IRAS Survey/version 2) is now available on magnetic tape. To obtain a copy, contact Gail Schneider or Wayne Warren at NSSDC, NASA Goddard Space Flight Center, Code 633, Greenbelt, Maryland 20771/or phone: (301) 286-8310. (You will be asked to send them a blank tape.)

**Astrophysics Data System News**

The primary aim of the NASA Astrophysics Data System (ADS) is to make the current and future data holdings of both NASA and NSF more broadly and efficiently accessible by the scientific community and to make the data itself more fully interpretable.

The Astrophysics Master Directory System (AMDS) serves as the initial locator function in this process. The AMDS is a tool for locating astrophysical data and determining its relevance to a specific research project. Its function is to transform inquiries couched in generalized scientific form into detailed requests for specific observations and data products.

Data needed by a scientist may be dispersed among several of the astrophysics science operations centers and archive centers and it will be the job of the AMDS to locate and correlate this information. The understanding of the content and use of the datasets resides at these centers. One of the goals of the AMDS is to utilize fully this wealth of knowledge.

Access to the AMDS will be available through a wide range of communications channels, including direct connection at the centers, remote dial-up, and both local-area networks and wide-areas networks. The AMDS database itself will be distributed, with centralized facilities for coordination purposes only. The individual elements of the AMDS will be interconnected by way of national science networks such as the NASA Science Internet (NSI). These networks will be used as one conduit by the astronomical community to access the system.

Among the information sets available through the astrophysics master directory system will be the following:

- NASA, NSF, and international space data directories
- astronomical catalogs
- analysis software holdings
- facilities descriptions

abstracts

bibliographical reference material

(Plagiarized practically verbatim from an article by John Good, ADS System Engineer, in the IPAC NEWSLETTER, v.5:1 Spring 1989. Carol J. Lonsdale, Editor, 100-22 CIT, Pasadena CA 91125)

**Retired Members Caucus Organized****Vivian Hewitt, Convener**

In January 1989 the SLA Board of Directors approved the formation of the Retired Members Caucus with 22 charter members. The purpose of the Caucus is to provide a forum for the exchange of information on topics relevant to those anticipating retirement or who have already retired. All SLA members at or near retirement are urged to join the Caucus. An SLA member may join by sending the annual fee of \$6 and a written request to be added to the Caucus' membership list to the Membership Records Section of the Association Office. For further information write to Mrs. Vivian Hewitt, 862 West End Ave., New York, NY 10025.

**Note from Ellen Bouton**

An article titled "Publishing and perishing?" appeared in *Nature*, 341, p. 349, 1989 about library problems with increased journal prices and the partial responsibility of scientists for those increases. There is also an interesting letter to the editor on the same topic in the same issue, p. 276.

**Membership Report****Helen Knudsen**

Total membership as of October 2, 1989: 168

**Welcome new members:**

Gordon S. Banholzer, Jr., Georgia Institute of Technology,  
Price Gilbert Memorial Library, Atlanta, GA 30332, (404)  
894-4529

Ann G. Dutt, Skidmore Owings & Merrill, Library, 33 W.  
Monroe, Chicago, IL 60603, (312) 641-5959

Jill M. Hackenberg, 5747 Holden St., Apt. 3, Pittsburgh, PA  
15232

Erica B. Lilly, 17 Kelly Dr., Oxford, OH 45056

Edward D. Mays, P.O. Box 36872, Albuquerque, N.M. 87176  
(505) 846-1631

Donna M. Mendenhall, Metters Industries, WSMC/PMET  
 Technical Library, Building 7015, Room 119A, Vandenberg  
 Air Force Base, CA 93437 (805) 866-9745  
 Janet R. Yasumatsu, P.O. Box 15503, Washington, DC 20003,  
 (202) 707-5778

## Reinstated:

James C. Agnew, P.O. Box 481, Milton, MA 02186, (617) 377-4619  
 Olga B. Boemeke, Princeton University, Astrophysical  
 Sciences, Peyton Hall, Princeton, NJ 08544 (609) 452-3820  
 Frances D. Campbell, 920 S. Gilpin, Denver, CO 80109 (303)  
 961-1111

## Changes:

Ellen Bouton, new zip code 22903  
 Diane Brown, add phone (415) 643-7662  
 Jackson H. Carter, new phone, (505) 667-4446  
 Linda Evans, new address, 11112 Beaver Trail Court, Reston,  
 VA 22091  
 Mary Geli, new address, P.O. Box 47122, Phoenix, AZ 85068  
 Carolyn R. Greenberg, new phone, (617) 981-7175  
 Dorothy McGarry, new address, Physical Sciences and  
 Technology Libraries, 8251 Boelter Hall, UCLA, 405 Hilgard  
 Ave., Los Angeles, CA 90024-1598  
 Jayashri Nagaraja, add phone (313) 764-7494  
 Robin Perera, new address, 3 Parley Vale, Boston, MA 02130  
 Randy Reichardt, new phone number (403) 492-7911  
 Melodie A. Salzer, new address: 1428 E. Copper St., Tucson,  
 AZ 85719 (602) 326-9616  
 Richard Vierich, new phone number: (714) 787-3238  
 John J. Wansenski, new address, 2040 S. Longmore St. #64,  
 Mesa, AZ 85202

## Drops:

Donna J. Coletti  
 John J. Ferrainolo

## LISA COLLOQUIUM PROCEEDINGS PUBLISHED

## Sarah Stevens-Rayburn

Sarah sends information that the proceedings from the Washington meeting have been published. They were to be mailed to participants from the Naval Observatory the end of October or beginning of November; you may have your copies by the time you receive the bulletin. Information on the publication: **Library and Information Services in Astronomy**; proceedings of the 110th Colloquium of the International Astronomical Union, held in Washington, D.C., U.S.A., 26 July-1 August 1988. Edited by George A. Wilkins (Royal Greenwich Observatory) and Sarah Stevens-Rayburn (Space Telescope Science Institute). Published by the U.S. Naval Observatory, Washington, D.C. 20392-5100, U.S.A. on behalf

of the International Astronomical Union. Chapter headings: Part 1. Overview of the Colloquium. Part 2. Publication and Acquisition of Books and Journals. Part 3. Searching for Astronomical Information. Part 4. Handling and Use of Special-Format Materials. Part 5. Astronomical Data Centers. Part 6. Conservation and Archiving. Part 7. Other Library Activities. Part 8. Other papers. Appendices.

If you didn't attend the meeting, you probably will want to obtain a copy from the Naval Observatory. Those who attended know how packed full of information the papers were.

## AMS Ad Hoc LIBRARY COMMITTEE

The American Mathematical Society recently named an Ad Hoc Library Committee to study library issues that affect the mathematics research community. The committee consists of four mathematicians (Richard A. Askey, Robert S. Doran, James Rovnyak (Chair), George Seligman) and four librarians (Nancy Anderson, Dorothy McGarry, Mary Ann Southern, and Jack Weigal).

The objective of the committee is to assemble information which will assist the mathematics community and librarians to build and maintain quality mathematics libraries into the future.

Of primary concern are issues that involve the viability or effectiveness of the mathematics library as a research tool. Major areas of focus are (1) basic facts about mathematics libraries, (2) cost issues, (3) the information-seeking habits of mathematicians, and (4) new technologies. The committee will be pleased to receive comments from any concerned groups or individuals. You may contact any member of the committee or the chair: James Rovnyak, Department of Mathematics, Mathematics/Astronomy Building, University of Virginia, Charlottesville, VA 22903-3199.

## FROM HELEN KNUDSEN

This is a confusing bunch of interlocking series. This file/graph may be of interest to astronomy or physics librarians as they plan their book/series orders....or when they must decipher a reference to Moriond.

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## MORIOND / EDITIONS FRONTIERES

Moriond	Moriond	I.A.P.	Rencontres
Workshop	Meetings	Astrophys.	Astrophys. de
	(series)	meetings	meetings
			Moriond

Cosmology and Particles			
M-29	1		16
Birth of the Universe			
M-34	2		17
Clustering in the Universe			18?
Helen Knudsen's graph (continued)			
Massive Neutrinos in Astrophysics			
M-41	3?		19A
Fund. Interactions & Cosmology			
High Energy Astrophysics			
M-42	4		19B
QCD and Beyond			
M-46			20
Star-Forming Dwarf Galaxies...			
		1	
'86 Massive Neutrinos in Astroph.			
M-48	5?		21A
Advances in Nuclear Astrophysics			
		2	
Accretion Processes in Astrophysics			
M-51	6		21B
The Standard Model - SN 1987A			
M-53			
Starbursts and Galaxy Evolution			
M-55	7?		22
High Redshift and Primeval Galaxies		3	
Fifth Force - Neutrino Physics			
M-56			23A
Dark Matter	M-59	8	23B
Supernova 1987 1 Year Later			
C-16			
Low Temp. Detect. Neutrinos...II			
C-17			
Modeling the Stellar Environment			
C-18		4	

Note that Low Temperature Detectors for Neutrinos and Dark Matter I was published by Springer-Verlag.

More information from Helen: Add to the list of "books/conferences" which will also appear as journal volumes: IAU Colloquium no. 113: Physics of Luminous Blue Variables = Astrophysics and Space Sciences, v. 157. Also, the title given for IAU Colloquium no. 109 is not quite the same as found in the IAU Information Bulletin. Kluwer shows it as "Computer applications in dynamical astronomy and celestial mechanics." The IAU 18 shows the title "Applications of computer technology to dynamical astronomy." This may cause filing/finding problems when searching by title.

P-A-M 1989 Award

Nancy Anderson sent the following note, which she copied from the latest issue of Sugaku (the journal of the Mathematical Society of Japan), describing our award to the Society.

おしらせ

数学辞典英語版の受賞

数学辞典英語版の二度にわたる出版に対して、アメリカ Physics-Astronomy-Mathematics Division of Special Libraries Association の 1989 年度賞が日本数学会に贈られました。賞状には、'Physics-Astronomy-Mathematics Division Special Libraries Association presents its 1989 Divisional Award in preparation for its work in producing the editions of the **Encyclopedic Dictionary of Mathematics** to the Mathematical Society of Japan' とあります。

EGAL Bulletin

Ellen Bouton sent a copy of no. 1 (Oct. 1989) of the EGAL Bulletin. A previous issue was called "No. 0." (EGAL is the European Group of Astronomy Librarians.) Included was a "Spotlight on the Library of the European Southern Observatory in Garching," and an article on "Information Sheets from the R.A.S. Library." Feedback to the previous issue and a number of news and information items also appeared in the 8 page issue. A directory of 14 pages accompanied the issue. Ellen has the directory, and would be able to provide information from it. The Bulletin is being produced by Anne Fishburn, Astrobibliothek, MPI für Astrophysik, Karl-Schwarzschild-Str. 1, D-8046 Garching, FRG. The next issue will probably not appear before March 1990. A couple of items from the Bulletin: In Highlights of Astronomy, v. 8, 1988, on p. 67-100 there is a report of the Joint Discussion, "New Developments in Documentation and Data Services for Astronomers." This discussion, which took place within the framework of the IAU 20th General Assembly in Baltimore in August 1988, was attended by many librarian who went on from attending the IAU Colloquium in Washington. Angus Macdonald, of the Royal Observatory Edinburgh, will be working on an updated and improved edition of UDC 52 and would like to hear from people with their comments, suggestions, proposals, any difficulties experienced, etc.

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