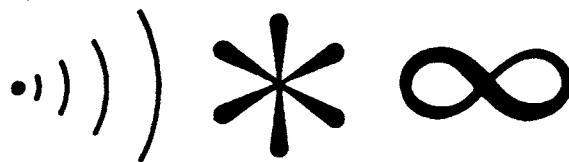


p·a·m

physics astronomy math



VOLUME 15 NO. 2

NOVEMBER 1987

Message from the Chair -- Camille Wanat

It may seem that the PAM Division is active only around the time of the Annual Conference -- but I am rapidly learning that that is not the case. There is a fairly constant rumble of activity all through the year. The last three months are a good case in point:

Early August saw the preparation of a request of the P-A-M for funds from SLA to support the Colloquium on Library and Information Services in Astronomy (a conference to be held in conjunction with the triennial General Assembly of the International Astronomical Union next July). Our request was well received; SLA agreed to transfer \$2000.00 to P-A-M for use outlined elsewhere in this issue of the Bulletin. I feel quite proud to be a member of an organization whose support of the international information community is so tangible; heartfelt thanks on the part of the P-A-M Division are due to SLA, especially David Bender and the Finance Committee.

In another action, the P-A-M Executive Board approved a request to give each participant in the Colloquium on Library and Information Services in Astronomy a gratis copy of P-A-M's *Union List of Astronomy Serials* (ULAS). Since a second edition of ULAS is to be discussed at the Colloquium, it seemed an appropriate use of some of the remaining copies as well as raising P-A-M's visibility (and, incidentally, showing the Division's own commitment to international librarianship).

September and October have been hectic as plans have been finalized (yes, finalized!) for the P-A-M program at the Annual Conference next June in Denver. We will maintain our tradition of workshops in astronomy, mathematics, and physics; these will be moderated by Ellen Bouton, Joanne Goode, and Gary Davidoff, respectively. I urge you all to be responsive as they solicit your ideas for discussion topics in the coming months. The best roundtable discussions occur when we all participate actively, both before and during the actual workshops. The computer science workshop is being planned this year by the Sci-Tech Division (P-A-M and Sci-Tech plan this one in alternate years); a panel and discussion is being organized around the topic of software in library collections. The field trip this year will be to the National Center for Atmospheric Research and the National Bureau of Standards laboratory in Boulder.

P-A-M is participating in two joint programs this year. P-A-M, the Metals/Materials Division, and the Chemistry Division are joining forces to present another program on Non-Bibliographic Scientific and Technical Databases; speakers will be from the National Bureau of Standards, the National Materials Property Data Network, and INSPEC. Since there was interest expressed at the Division's business meeting in the topic, P-A-M will join a number of other divisions in sponsoring a talk by Dr. Judith Bardwick,

author of *The Plateauing Trap*. Thanks are due to Mead Data for a large contribution towards the cost of this.

Lastly I want to highlight a special activity being planned for one evening of the Division's Open House. Wally Pegram (UCLA) will be coordinating a clearinghouse session of library instructional and orientation materials which focus on users of physics, astronomy, and/or mathematics libraries. A number of division members expressed interest in this at the last business meeting, so I trust that Wally will find a lot of cooperation when he requests copies of your library's materials for inclusion in this session. Personally, I am really looking forward to this; I always gain valuable ideas from my colleagues in this area.

My best wishes to all of you for the coming holiday season!

SLA SUPPORT FOR THE INTERNATIONAL COLLOQUIUM ON LIBRARY AND INFORMATION SERVICES IN ASTRONOMY

This summer, the Physics-Astronomy- Mathematics Division requested the Special Libraries Association for funds to support the International Colloquium on Library and Information Services in Astronomy (to be held in Washington, DC, in July 1988). Brenda Corbin prepared a well-documented funding request, detailing the purpose of the conference and the planning that has occurred to date. A few weeks ago, I received word that the Finance Committee had approved a transfer of \$2,000 to P-A-M for use with some aspect of the Colloquium. The planners of the Colloquium are free to use the funds where most needed; this flexibility on the part of SLA is very much appreciated.

SLA's support of the Colloquium is being extended, in David Bender's words, "in light of SLA's commitment to the development and advancement of the international library and information services." It is clear from this action that SLA's commitment to the international information community is very substantial indeed and I am sure that the attendees at the Colloquium will return to their research stations around the globe much impressed with the international involvement of the Special Libraries Association.

-- Camille Wanat, Chair, P-A-M Division

.....
.....
Anyone who is not receiving my monthly listing of astronomy meetings, and would like to be on the mailing list, please write me @ Liz Bryson, CFTH, P. O. Box 1597, Kamuela, HI 96743
.....
-.....

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.

Editor: Judith A. Bausch (414-245-5555)
Yerkes Observatory Library
P.O. Box 258
Williams Bay, WI 53191

Production assistant: Robert Bausch

Special Libraries Association assumes no responsibility for the statements and opinions advanced by contributors to the Association's publications. Editorial views do not necessarily represent the position of Special Libraries Association. Acceptance of an advertisement does not imply endorsement of the product by Special Libraries Association.

P-A-M Officers 1987/1988:

Chair:
Camille Wanat
University of California - Berkeley
Physics Library - 351 Le Conte Hall
Berkeley, CA 94720
(415) 642-3122

Chair-Elect:
Helen Z. Knudsen
California Institute of Technology
Astrophysics Library 105-24
Pasadena, CA 91125
(818) 356-4008

Secretary:
Karen S. Croneis
Mathematics-Physics-Astronomy Library
RLM 4.200
University of Texas at Austin
Austin, TX 78712-7330
(512) 471-7539

Treasurer
Bruce Pelz
Engineering and Mathematical Sciences Library
8251 Boelter Hall
University of California, Los Angeles
Los Angeles, CA 90024
(213) 825-4035

Archives:
John W. Weigel, II
University of Michigan
Library
Ann Arbor, MI 48109
(313) 764-8016

SLA Planning New Book

SLA is planning a new publication this year, drawing on the subject expertise of each of its 28 divisions. Hilary Kanter, Editor for SLA's non-serial publications, has requested that each division provide a short bibliography of the best reference sources in their subject area. In the interest of developing this list as democratically and painlessly as possible, I am asking each Division member to jot down the handful of reference sources that would go on their "couldn't function without" list. Please supply complete bibliographic information, including ISBN. Please do not include out-of-print materials; brief annotations are welcome.

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____

Please send your list to: Camille Wanat, Physics Library, 351 LeConte Hall, University of California, Berkeley, CA 94720

EXPANDING HORIZONS:
STRATEGIES FOR INFORMATION MANAGERS



SPECIAL LIBRARIES ASSOCIATION
79th ANNUAL CONFERENCE
DENVER, COLORADO
JUNE 11 - 16, 1988

REPORT OF THE MEMBERSHIP COMMITTEE ----DOROTHY
MCGARRY, CHAIR

NEW MEMBERS

Diane J. BECK
2021 Vanderslice Ave.
Walnut Creek, CA 94596
(415) 642-4345

Daryl S. BRANDT
Purdue University
Physics Library
West Lafayette, IN 47906
(317) 494-2858

Ellen Moy CHU
National Institutes of Health
Division of Computer Research & Technology Library
Building 12 A, Room 318
9000 Rockville Pile
Bethesda, MD 20892
(301) 496-1658
Mailing Address:
7012 Marbury Rd.
Bethesda, MD 20817
ELC@NIHCU.BITNET

Camille S. CLARK
4990 Topaz St. #59
Las Vegas, NV 89120

Karen E. FEENEY
9115 Libra Dr.
San Diego, CA 92126
(619) 534-4579

Rebecca HARNER
3700 N. Campbell #404
Tucson, AZ 85719

Joni M. HERREN
Cray Research, Inc.
Dev. Library
900 Lowater Rd.
Chippewa Falls, WI 54729

Harriet Z. MARTIN
Brookhaven National Laboratory, Bldg. 477A
Upton, NY 11973
(516) 282-3487
Mailing Address:
P.O. Box 524
Upton, NY 11973
(516) 282-4853

Ralph McELROY
Ralph McElroy Translation
P.O. Box 4828
Austin, TX 78756
(512) 472-6753

Thomas F. ROTH
112 Commercial, Apt. #3
Emporia, KS 66801

Dimitri R. STEIN
Science Information Service, Inc.
7 Woodlawn Ave.
Larchmont, NY 10538
(914) 834-8865

CHANGES

Louise ADDIS, P. O. Box 620097 for mailing address
Andrea M. ALLISON, #212-97 Rue St. Francois, Rigaud PQ Canada
J0P1P0
Karen L. ANDREWS, change mailing address to 10689 Esterina Way,
Culver City, CA 90230 and telephone to (213) 825-2649
Jean M. BANKHEAD, mailing address: 653 Furman Way, Boulder, CO
80303
Ronda E. BREITBARD, mailing address: 751 Holmby Ave., Los Angeles,
CA 90024
Jackson H. CARTER, correction in street spelling: 1912 Camino Manzana;
correction in zipcode: 87544
Jennalyn W. CHAPMAN, mailing address: 6160 N. Montebella, Tucson,
AZ 85704; correction in telephone: (602) 621-2870
Thomas W. CONKLING, correction in zipcode in mailing address: 16803
Brenda G. CORBIN, correction in zipcode: 20392
Beverlee A. FRENCH, change to University of California, Davis, Shields
Library, Davis, CA 95616
Richard L. FUNKHOUSER, add mailing address: 306 E. Stadium Ave.,
West Lafayette, IN 47906
Jeannette E. Glynn, change in telephone: (415) 624-3002
Carolyn R. GREENBERG, add mailing address: 91 Jackson St., Cambridge,
MA 02140
Alice HALL, add mailing address: 302 B Mulberry St., Lewes, DE 19958
Mary Jo D. HENDRICKS, add mailing address: 1645 Poes La.,
Charlottesville, VA 22901
Correct Betty R. HOLMSTROM University of Tucson to University of
Arizona and delete the mailing address information.
Kimiyo T. HOM, add mailing address: 1483 35 Ave., San Francisco, CA
94122; change telephone (415) 642-3381
Nancy Carol HUTCHINS, change mailing address: 904 Maxwell Lane,
Bloomington, IN 47401
Change Mary H. KAY's address to: Mathematics Library, 303 Mathematics
Bldg., Columbia University, New York, NY 10027 and add mailing address:
415 W. 118th St. #41, New York, NY 10027
Change Maryde F. KING's address to include the mailing address only.
Change Helen KNUDSEN's telephone number to (818) 356-4008

Change zipcode for Derek M. KOZIKOWSKI to 03062
 Barbara MAGNUSON, add mailing address: 19145-5 Haynes St.,
 Reseda, CA 91335
 J. Wally Pegram, add mailing address: 1813 17 St. #C, Santa Monica,
 CA 90404
 Change Pergamon Press, Inc., to Pergamon Journals, Inc.
 Ella PONOMARENKO, add mailing address: 3006 Lexington Dr., Ann
 Arbor, MI 48105
 Alice B. PRIMACK, change to Alice L. PRIMACK, Central Science
 Library, University of Florida, Gainesville, FL; (904) 335-8525;
 BITNET: UFCSLAP at UFFSC
 Arsella D. RAMAN, add mailing address: 734 Melville Ave., Palo
 Alto, CA 94301
 Kathleen A. ROBERTSON, add mailing address: 5743 Dalhousie Dr.
 NW, Calgary, Alberta, Canada T3A 1T2
 Katherine R. SMITH, add mailing address: Box 503, Buena Vista, VA
 24416
 H. David STERN, University of Illinois, Physics-Astronomy Library,
 1110 W. Green St., 204 Loomis Lab., Urbana, IL 61801; BITNET:
 STERN@UIUCVMMD
 Ellen S. THOMAS, add mailing address: 121 N. Sunset Dr., Ithaca, NY
 14850
 Change of address for Julia H. TRIPLEHORN, Geophysical Institute,
 University of Alaska, Fairbanks, AK 99775
 Philene E. VAIVODS, add mailing address: 3945 Palos Verdes Dr. N.,
 Palos Verdes Estates, CA 90274
 Cathaleen VAN ATTA, zipcode correction in mailing address, 85716
 John F. VANDERMOLEN, add mailing address: P. O. Box 581,
 Auburn, AL 36831
 Celine F. Walker, add mailing address: Borex-Seleil, CH 1261
 Borex/VO, Switzerland
 Frances B. WARANIUS, add mailing address: 927 22nd Ave. N., Texas
 City, TX 77590
 Nancy W. ZACHARIASEN, add telephone: (818) 356-6704

Irene K. Mallison
 Cornelius J. McKown
 Cynthia M. Miller
 Sandra R. Moline
 Abigail J. Muller
 Frank A. Pietropaoli
 Margaret M. Pooler
 Stephanie C. Rapp
 Ann M. Robertson
 Sarah Scott
 Jayasri Sen
 Suzanne Stanek
 Margie Voelker
 Hazel H. Wetts
 Alexander Williams

Astronomy News ----- Marlene Cummins, University of
 Toronto

Good news! We have been partially successful in building a fund to
 help pay for the housing costs of librarians from developing countries
 to the IAU Commission 5 workshop in 1988. Certainly, though, we
 could use more \$\$ and we're sure that there are some of you who
 haven't gotten around to sending in your donation yet or who feel that
 what you can afford isn't worth sending. NOT TRUE. Every little bit
 really does help so send along your donation to Brenda Corbin at U.S.
 Naval Observatory Library, 34th and Massachusetts Avenue, NW,
 Washington, DC 20390, made out to SLA/PAM/LISA. And don't
 forget that every big bit helps too so don't be shy about approaching
 your institution for a donation. If you need help in this regard write
 or call Brenda.

Joyce Rey-Watson (Center for Astrophysics) has returned from her
 visit to CDS and has indeed brought back a draft of a new SIMBAD
 manual. Some of us are going to act as guinea pigs in using the new
 manual.

Ellen Bouton (NRAO) reports that Reidel seems to have responded to
 our complaints regarding indexes and that tables of contents are
 printed inside the latest issues of *Solar Physics* and *Astrophysics and
 Space Science*.

E-MAIL ADDRESSES

Cathy Van Atta: arpa:library@noao.arizona.edu; or
 span:DRACO:LIBRARY (this is a new address, and she may not check
 it very often, so if you want to reach her quickly, please telephone)

Celine Walker preferred BITNET address:
 XB.F69@STANFORD.BITNET; also on Dialmail, user name: ACCIS

DROPS

Jeannette E. Glynn
 Eileen M. Hamlin
 Emerson Hilker
 Estelle R. Karlin
 Lynn A. Labun
 Sherrie L. Latham
 Merry W. Maisel

In August the USNO Library received the following book gratis: MY
 FIRST 72 YEARS OF ASTRONOMICAL RESEARCH:
 REMINISCENCES OF AN ASTRONOMICAL CURMUDGEON,
 REVAELING THE PRESENCE OF HUMAN NATURE IN SCIENCE, by
 Willem J. Luyten (1987), privately printed. It is an absolutely
 delightful and fascinating book that our staff cannot put down. Now
 the mystery -- I cataloged the book on OCLC in early August but as of
 now, no other library has added their symbols to the catalog record.
 Are we the only library in the US who has this book? I suggest you
 write to Dr. Luyten requesting a copy for your library. His address is
 in the AAS DIRECTORY.

Brenda Corbin, USNO Library

Report on the Compilation of an Astronomy Thesaurus -- Robyn Shobbrock

An astronomy thesaurus is being compiled by an international team of librarians in response to a request from the International Astronomical Union - Commission 5 (Documentation). In this report I shall briefly explain why it was found to be necessary and the procedures being followed.

WHY THE PROJECT IS NECESSARY

Peterson of the Getty Art Information Program says in her article on the compilation of the "Art and Architecture Thesaurus" that "subject access took a back seat to the more pressing issues of AACR2 (Anglo-American Cataloging Rules Version 2), the format and content of bibliographic records, and the design of the online catalog" and that "the problems of providing subject access via outmoded subject authority files must be solved." I agree with these statements.

Librarians embrace the new computer methods of cataloging with enthusiasm but still avoid the problems associated with vocabulary control. It is thought that it is not necessary to worry about keyword control. The result of searches without vocabulary control is that we get high recall but low specificity and time is wasted in sifting through a mass of unwanted material. In automated retrieval systems effective recall depends upon controlled vocabulary, in other words, terminology which is well defined as opposed to freeindexing or the use of natural language keywords. In the field of astronomy we do not have a well defined thesaurus of terms and it is long overdue. Librarians in the field are building their own "ad hoc" systems with poor knowledge of the subject they work in and what is worse, poor knowledge of the subject approach to information. Therefore the IAU thesaurus project is a necessary and vital tool for the better management of astronomy librarians.

Another justification for this project is that if we wish to justify support from the IAU for future astronomy librarian meetings attached to the IAU General Assembly then we must show concrete ways of providing evidence that librarians in cooperation with astronomers can improved standards in information retrieval. I believe the unique P-A-M network could play an active role in

the improvement of astronomy librarians internationally through involvement with Commission 5 of the IAU.

BACKGROUND TO THE PROJECT

For some time Commission 5 of the IAU has felt the need for an astronomy thesaurus. The project is now underway and it is expected to fulfill a need for only for authors and editors in the publication of scientific papers but for librarians in the retrieval of documents in manual and automated systems. The compilation is being coordinated at the Anglo-Australian Observatory and supported with the expertise of librarians and specialists from a number of institutions around the world.

Involvement in the IAU project has proved timely and beneficial for the AAO. It was planned that our card catalog be converted to an online system. It is believed that for the conversion of back records for the effective retrieval of documents, a controlled thesaurus should be compiled, particularly where there has been no prior subject access. I volunteered to assist with the IAU project because of the AAO plans, not really expecting to coordinate the whole project! I would have preferred to discuss the project first at the 1988 Washington meeting but IAU Commission 5 was anxious that the project begin.

THE PLAN

To initiate the project a questionnaire was sent out to 100 libraries around the world to determine the following assumptions:

1. The project was deemed necessary by information workers in the field.
2. The project was feasible given the time frame.

These points were established as positive through a 50% response.

Other findings of the questionnaire were:

- a) Library of Congress Subject Headings are the most commonly used by astronomy librarians, although frequently combined with a number of other authoritative sources. This confirms the findings of Peterson in her research before the compilation of the "Art and Architecture Thesaurus."
- b) Many astronomy libraries do not have subject access to their collections.
- c) There are a number of astronomy libraries in major institutions without

librarians or catalogs, let alone sophisticated computer systems.

- d) Librarians are dissatisfied with the outdated classification systems.
- e) There is a great deal of enthusiasm for the IAU thesaurus project although few can spare the time to be involved.
- f) More computer controlled catalogs are now being used in astronomy libraries.

The eight librarians assisting with the project were given a section of the alphabet complete with instructions for the compilation of preferred terms.

The standard adopted for the project:

ANSI Z39.19-1980 "Guidelines for thesaurus structure, construction, and use."

Various articles related to thesaurus construction were provided as background reading for the project.

It was recommended to each helper to engage the assistance of specialists at their institution during the compilation process.

The combined efforts of the team will be compiled at the AAO using a PC and MICROAIRS software, developed in the UK by Leatherhead Food Research Association.

It is hoped that a first draft will be ready for the meeting in Baltimore in August 1988. There it will be recommended that it be sent to a number of subject specialist referees to scrutinize for errors and omissions.

SUBJECT COVERAGE

The vocabulary is intended to cover the subject fields in the ICSU/AAA concordance classification scheme; in particular, section 9 which relates specifically to astronomy and astrophysics.

Other excellent thesauri exist in borderline areas and the IAU thesaurus will not attempt to extend into those areas, e. g., the NASA thesaurus -- Space Science -- and the INSPEC thesaurus -- electrical engineering.

TERMINOLOGY

The vocabulary should reflect the usage of practicing professional astronomers. The terms selected will be in "common usage" by virtue of their occurrence in authoritative sources in astronomy and astrophysics. Sources of terms for the thesaurus include:

- a) Library of Congress Subject Headings List
- b) Astronomy and Astrophysics Abstracts

- c) The INSPEC thesaurus
- d) Dictionary of Astronomy by Illingworth
- e) Cambridge Encyclopedia of Astronomy
- f) Astrophysical Journal keyword list
- g) Astronomical Journal keyword list
- h) Universal Decimal Classification index and schedules

It should be noted that other authoritative monographs may have been used by some members of the team in addition to those listed.

ORGANIZATION OF THE THESAURUS

The thesaurus will be an alphabetical listing consisting of preferred or main terms and lead-in terms. It is not likely that a hierarchy listing will be compiled due to the limitations of time for the first draft.

Team workers have been asked to provide additional information with each term selected; these include:

- a) A classification number using the ICSU/AAA concordance relation scheme.
- b) Sources of the term.
- c) Date of inclusion.
- d) Scope or history notes.
- e) Definition if required.

LANGUAGE OF THE THESAURUS

The language will be English but preference will be given to American spelling. Users of the thesaurus can adapt spellings to local requirements.

CONCLUSION

The IAU astronomy project is urgently required by librarians; the questionnaire provided enough evidence to confirm this. The IAU believes that authors and editors of scientific papers need an official keyword list to standardize the selection of keywords. The work is now in progress but the method is experimental. The first draft will not be complete or indeed sophisticated but at least a much needed project has been started.

PHYSICS NEWS; 1987 PHYSICS WORKSHOP REPORT, PART 2
Karen Cronis, University of Texas

Thirty-five physics librarians met at the SLA Annual Conference in Anaheim on Wednesday, June 10, to discuss common problems and concerns. Notes from the first part of the discussion (on serials) were published in the last issue of the P-A-M Bulletin. The following summary completes the report.

II. ONLINE SEARCHING

Carol Hutchins (Indiana) contacted STN about setting up an after-hours academic account for Physics Briefs similar to Chemical Abstracts. They are "considering it."

STN is initiating a university account system whereby users can have unlimited searching on PHYS during the 1988 calendar year for \$1950. Users must still pay print costs and telecommunications charges.

AIP and STN are also offering a 50% price break on Physics Briefs for those who search PHYS on STN (whether you have a university account as mentioned above or not). There was no mention of the minimum amount of time you would have to search PHYS per month to qualify for this reduced rate.

Compared to Physics Abstracts, Physics Briefs carries chapters from books and covers nuclear particle physics especially well.

There was a lively discussion about end-users. Some places give information (how to get passwords, etc.) so that users can set up accounts and use their own equipment.

Brookhaven did a survey on user preferences regarding searching. Most respondents did NOT want to do their own searching. Since the library has inexpensive access to SPIRES (through DOE contracts), many users come to the library for SPIRES searches since they just don't want to be bothered doing it themselves.

On the other hand, the University of Washington has a very active searchers group. The first question librarians hear is "why can't I do this myself?" Users search SPIRES and are very reluctant for someone to do online searching for them. ("Well, you wouldn't know anything about this and I really don't want to tell you what I'm doing anyhow," say high-energy physicists and others at the "forefront" for research.)

In responding to the "why can't I do it," Los Alamos has set up passwords and notified users of

STN and DIALOG training. When users search by themselves, they pay the bill. When librarians search, the library pays the bill. Although Los Alamos has a lot of chemistry, it still has more physics. Mary Ann Southern (Duke) noted that in academia chemists are more likely to do their own searching than physicists or mathematicians are.

There was some speculation that libraries might see more end users as CD-ROM technology improves.

In response to a question about getting departments to fund searching for their students, Gary Davidoff mentioned that the library at a small liberal arts college he once worked at was able to fund free searching for all students by cancelling all print indexes.

Some place (sorry I didn't catch where) which subsidizes searching for students just ran out of money early in June. Ready reference searches on DIALOG during the day are done at the reference desk (\$5 or 5 references, whichever comes first) while users have to make an appointment with subject specialists for other searches.

Dave Stern reported that Arizona State got the chemistry people to agree to cancel some chemistry titles because of the CAS academic account. None of the faculty or graduate students has to pay for their searching now. The physics faculty (who never touched anything before) are starting to come in to look and use the academic account. Some are even interested in paying for INSPEC, etc. (!)

Wally Pegram said that the UCLA Physics Department gives the Physics Library a modest amount (not more than \$500) for free searching for grad students. He uses it to educate users and create interest. Users then get money from the department or grants to pay for additional searching.

UNLV has total recovery for online searching. However, graduate students can get their departments to pay for online searches. Somehow the departments on campus have been able to budget in enough money to support their research and their graduates' research.

Mary Kay (Chemistry Librarian at Columbia) was asked to provide training and search time for a chemistry graduate class using STN last fall. The department paid for the search time out of department funds. Mary used the CAS academic rate on the academic account. If physics people can get an academic rate on PHYS, this is a very good idea.

The chemistry faculty at the University of Washington are very interested in an end-user program which the Chemistry Librarian is working on.

The Indiana University science librarians have formed a cooperative reference fund for secondary services and other things considered reference materials (including CAS academic program). It not only impresses upon the library administration the need for some of these services but also helps the science librarians see the bigger picture.

III. NETWORKS

The October 1986 issue of Communications of the ACM has an article, "Notable Computer Networks," by John Quarterman. It includes information on talking to someone on a different network, e. g., BITNET talking to ARPANET. A list of computer network addresses is being compiled for the P-A-M Directory.

New York (including Cornell, SUNY Buffalo, Rensselaer, Brookhaven, Stony Brook) now has NYSERNET through New York Bell.

IV. CD-ROM

Online (May 1987) and PC World (April 1987) both have extensive articles on CD-ROMs. Free subscriptions are also available to CD-ROM Review.

One library with three (soon to be four) CD-ROMs warns others about the difficulties of running multiple disks on the same machine. Since they really had to fight with the software and memory allocations, they suggest that you have someone handy from your computer center if you plan to have two or more systems. They have McGraw-Hill Concise, Dissertations Abstracts, PC-SIG Library of 800 Freeware Programs, and ISI's Trial File (when they're able to get it running). There are problems with the system architecture when running that may be because the folks writing search software assume that theirs will be the only one you use.

CAS is waiting for the hardware and the mechanisms to provide effective searching on CD-ROM to standardize before it begins to offer CD-ROM products. Rumor has it that INSPEC was working with Silver Platter.

At this time there is nothing available on CD-ROM for the hard sciences. It is coming but at the trailing end, it seems.

Carol Hutchins discussed her recent survey of

preprint collections (which she intends to write up for Special Libraries). Between 20 and 25 institutions have existing preprint collections. UCSD and Ohio State have preprint collections around superconductivity while Ames Labs publishes a newsletter. (See August 1987 P-A-M Bulletin for address of Ames Labs.) Most collections are managed by high-energy physics groups/secretaries. In high-energy physics SLAC (Stanford Linear Accelerator Center) compiles a preprint list and an "anti-preprint list" (what's been published) which can be accessed through SPIRES.

LSU has a system for downloading from SPIRES.

VI. WORLD SCIENTIFIC

The discussion then turned to World Scientific and its dual pricing that allows developing countries to purchase paperback copies for 50% of the hardback price. (Michigan has had no problems getting paperback copies, though.) Mention was made of the new journal called "A." For most, World Scientific is at the bottom of the priority list because of limited funds and questionable quality (seems to be a lot of Ph.D. repackaging). Some wondered just how many conference proceedings their libraries need.

On the other hand, some departments contribute acquisitions money to the library and most faculty requests are for World Scientific publications.

Rita Lerner (AIP) asked what differential librarians were willing to pay for hard cover over paperbacks. Ten dollars was the consensus price but anticipated use and the quality of the paper copy were listed as important considerations.

During a discussion of experiences with approval plan vendors and subscription agencies, it was noted that there are no really good French vendors.

VII. MISCELLANEOUS

Joyce Rey-Watson urged librarians to go to professional physics and related institute meetings. Few know what we really do as librarians and this is an excellent opportunity to meet and discuss common concerns.

Karen Croneis talked with Alfred Hodina (UCSB) about the letter he wrote in the October 1986 Physics Today asking for support to start a Physics Information and Documentation Topical Group within APS. Only six people contacted him and five were editors of journals; 20 is the minimum number required. The time just isn't right yet for a formal group within the physics community.

For now the librarians in P-A-M have to carry the ball.

Nancy Anderson reported that Straus's book is being updated and the editors need someone to compile a bibliography for physics. (ED. NOTE: Does anyone know who volunteered?) Pruett's two-volume work on sci/tech libraries is now out. Camille Wanat (Berkeley) wrote the section on physics and Suzanne Fedunok (Columbia), the section on mathematics. Kudos to our P-A-M Division President and former President!)

The May/June issue of American Scientist contains an excellent article on preservation.

Women in physics are beginning to get some press. Brookhaven highly recommends the book My Daughter Beatrice.

Please send corrections/comments/news to Karen Croneis, PMA Library, RLM 4.200, University of Texas at Austin, Austin, TX 78712

+++++
MATHEMATICS WORKSHOP ---- Joanne Goode

I have been asked to formulate an agenda for the Mathematics Workshop at the annual conference next June. I have put together a list of potential topics and I am seeking your priorities. Would you please circle the numbers of the topics that you would be most interested in. Also, if you feel that you have a particular expertise/interest in one of the areas would you indicate that below. If handouts or samples are appropriate to the topic and you have some to share would you also indicate that on this survey. Please mail the survey to me at your earliest convenience.

- 1. Document delivery.
 - a) Specifics on what services you have used.
 - b) Which vendors provide the best services/coverage
 - c) Methods of ordering (online, phone, etc.)
 - d) Cost effectiveness/comparisons
- 2. Impact of online catalogs/circulation systems on mathematics collections/libraries
 - a) Systems in use
 - b) Successes/drawbacks
 - c) Suggestions for those in the planning stages
- 3. Promotional ideas/projects
 - a) In-house publications (acquisition lists, annual reports, newsletters, etc.)
 - b) Pathfinders, specialized bibliographies, etc.
 - c) This could be a display/exchange rather than topic
- 4. Microcomputer applications
 - a) In-house indexes

- b) Form/form letter production (perhaps sharing)
- c) Collection development files (special interests research projects, etc.)
- d) Monograph order management

- 5. Database searching
 - a) Promotions
 - b) Updates to Math/Sci
 - c) Progress towards compact disk development

- 6. Special collections
 - a) Data disks and software applications
 - b) Technical reports/preprints

7. Continued discussion of journal crisis/pricing issue

8. Issue of patron record confidentiality in small specialized libraries.

9. Other _____

10. Areas I could lend special expertise/provide examples, etc.
Name:
Topic:
Samples to share:

Please return survey to Joanne Goode, Mathematical Sciences Library, OB-9 Patterson Office Tower, University of Kentucky, Lexington, KY 40506-0270
Bitnet: goode@UKMA.BITNET or goode@ms.uky.csnet.

IAU COLLOQUIUM 110 -- LIBRARY AND INFORMATION SERVICES IN ASTRONOMY

LISA is now an official International Astronomical Union Colloquium! The IAU Executive Committee approved this request in its September meeting, which means that we now have some additional funds from the IAU which will be used only for travel grants.

More good news -- SLA has very generously donated \$2000 to P-A-M to be used for this Colloquium. SLA has given the local organizing committee discretion to use these funds where they are most needed. SLA's commitment to international information exchange is clearly shown by their support of this important meeting. I am sure all P-A-M members join me in expressing appreciation for this generous donation.

Plans for the program are well underway, and the second announcement was mailed on October 28. If you had expected to receive the second announcement and did not, please contact me.

You might recall that we established a housing fund so that we could assist librarians from developing countries and Soviet Bloc countries who might otherwise be able to attend. (This excellent suggestion came from Marlene Cummins.) I am happy to report that the fund now stands at \$1750. Corporate sources have donated \$1400 and P-A-M members donated \$350. However, more P-A-M contributions are most welcome. If you feel you can contribute to such a good cause, please make a check payable to SLA/PAM/LISA and send it to me at the address below. Thanks very much to those of you who have already made contributions, and to those who will do so in the future.

At present, 107 librarians and astronomers have indicated that they will attend. The site of the meeting has been moved to the Dupont Plaza Hotel in Washington, as we quickly outgrew conference space available at the Naval Observatory.

The tentative schedule is as follows:

Wed., July 27 Registration and opening reception in the evening at the Naval Observatory
 Thurs., July 28 Conference begins at Dupont Plaza Hotel with sessions all day
 Fri., July 29 Sessions in morning at Dupont Plaza; afternoon spent at the Library of Congress for special tours
 Sat., July 30 Sessions all day at Dupont Plaza; followed by banquet in the evening
 Sun., July 31 Free day for sightseeing in Washington
 Mon., Aug 1 Sessions in morning at NASA's Goddard Space Flight Center; tours of the facility in the afternoon

It is very exciting as plans begin to come together for this meeting. The Local Organizing Committee will need plenty of assistance and we will certainly be calling on P-A-M members to help us out. Hope to see you first in Denver next summer, and then in Washington.

The Scientific Organizing Committee is as follows:

G. A. Wilkins, Head, Royal Greenwich Observatory
 C. Jaschek, Centre de Donnees Stellaires
 Robyn Shobbrook, Anglo-Australian Observatory
 A. M. de Narbonne, Observatoire de Paris
 Maria Eugenia Gomez, European Southern Observatory, Chile
 Olga Dluzhnevskaya, Astronomical Council, USSR
 A. Vagiswari, Indian Institute of Astrophysics, Bangalore
 M. Vargha, Konkoly Observatory, Budapest
 B. Corbin, U. S. Naval Observatory

P.S. Some late-breaking good news. I have just learned that the Library of Congress has agreed to our request to sponsor a reception for LISA at the end of our tours there on July 29.

Ruth Freitag, Senior Science Specialist at LC, submitted and gave strong support to this request.

Brenda G. Corbin, Librarian
 U.S. Naval Observatory
 Washington, DC 20392-5100

P-A-M COMMITTEE APPOINTMENTS, 1987-1988

AWARDS COMMITTEE

Nancy Anderson, Chair
 University of Illinois
 Cathy Greene
 Massachusetts Institute of Technology
 Cathy Pasterczyk
 Sandia National Laboratories

MEMBERSHIP COMMITTEE

Dorothy McGarry, Chair
 UCLA
 Marilyn Steinberg
 Northeastern University
 Nancy Zachariasen
 California Institute of Technology

NOMINATING COMMITTEE

Carol Hutchins, Chair
 Indiana University
 Richard Funkhouser
 Purdue University
 Joyce Rey-Watson
 Smithsonian Institution, Astrophysical Observatory

AD HOC COMMITTEE ON FUND RAISING (Continuing from 1986/87)

David Stern, Chair
 University of Illinois
 Judy Bausch
 Yerkes Observatory
 Marion Kreiter
 Retired
 Don Marion
 University of Minnesota
 Kathy Strand
 High Altitude Observatory

GOVERNMENT RELATIONS REPRESENTATIVE

Brenda Corbin
 U.S. Naval Observatory

DIVISION LIASON TO THE SLA COMMITTEE ON CATALOGING

Mary Ann Southern
 Duke University

HOSPITALITY CHAIR FOR THE DENVER SLA CONFERENCE (June 1988)

Bruce Pelz
 UCLA

THIS PAGE BLANK IN ORIGINAL
DOCUMENT

YERKES OBSERVATORY
LIBRARY
P. O. BOX 258
WILLIAMS BAY, WI 53191



475142
John W. Weigel II
Univ Michigan
Phys-Astron Libr
290 Dennison Bldg
Ann Arbor MI

48109

