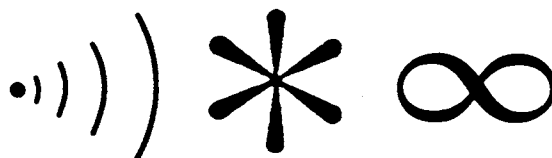


p·a·m

physics astronomy math



P-A-M BULLETIN

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MESSAGE FROM THE CHAIR

Diane Fortner
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Routes on the Net:

So, where does one start on the Net? The tangled Net invites accidental tourism, but, as librarians, we seek to make order out of chaos, furiously adding highway markers to hostels on the Net, pointers to quality sites. PAM has its own webpage at: <http://galileo.ifa.hawaii.edu/pamnet/pamnet.html>, thanks to Networking chair, Kathleen Robertson. Kathleen is librarian at the Institute for Astronomy at the University of Hawaii at Manoa. The astronomy section of the PAM page is current and excellent. This term two other librarians, Brenda Rice from the University of Chicago and Carol Chatfield from Stanford University, are working to augment the mathematics and physics sections respectively, as part of their assignments on the committee. But all of us net-wanderers should notify the Networking Committee when we find new or

non-linked sites that should be included as part of the PAM website.

Kathleen's e-mail address: roberts@hubble.ifa.hawaii.edu;

Brenda's: bsr2@midway.uchicago.edu;

Carol's: carol.chatfield@forsythe.stanford.edu.

Generally, these sites are recommended as good Web starting points:

the Yahoo! directory, started by two Stanford students, at: <http://www.yahoo.com/>

and the Web Review, at: <http://gnn.com/wr/>.

This summer the daughter of the late publisher Robert Maxwell, Christine Maxell, started "The McKinley Internet Directory", the outgrowth of an 802 page printed directory, the *New Riders' Official Internet Yellow Pages*. McKinley refers to "the mountain", in reference to the Internet's being a mountain of information waiting to be scaled. Christine's site (<http://>

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/www.mckinley.com) is only available through online services that have licensed the directory.

Or, for coffee-time weekend Web access and ambitious offerings from writers whose work has appeared in such publications as the *New Republic*, *Harper's*, the *New Yorker*, and the *Wall Street Journal*, try the online journal Feed (<http://www.emedia.net/feed> ([http://www.emedia.net/feed@emedia.net](mailto:feed@emedia.net)). This may not be for all physics, astronomy, and mathematics librarians, in that the editors sneeringly mention in one place that at some sites "you can download hippy-dippy fractals to your heart's content". We, of course, want to locate those sites.

Bookstores, or books online, try Laura Fillmore's Open Book Systems (formerly Online Bookstore) at <http://marketplace.com/obs/obshome.html>, which features electronic versions of current books and offers an excerpt from *New Riders' Official Internet Yellow Pages*, mentioned above. Or, try Powell's (Portland, Oregon) Bookstore (<http://technical.powells.portland.or.us>). Its offerings of technical books went up first this summer. One of the oldest Net bookstores is Book Stacks Unlimited (<http://www.books.com>).

The Internet Society offers a Domain Survey of registered hosts on the Net at <http://www.nw.com>.

Some of us are even being asked now to become HTML literate and to create our own websites (or, perhaps, we want to out of our own enthusiasm). Tentatively, the Science/Technology Division is planning a program on

this for the Boston conference. In the meantime (and, although all the information needed is on the web), I recommend a book: Laura Lemay's *Teach Yourself Web Publishing with HTML in a Week*, which, in a highly accessible style, guides you in creating your own web page. Lemay has written a sequel, which I haven't seen, *Teach Yourself More Web Publishing with HTML in a Week*. See her homepage at: <http://slack.Ine.com/lemay/>. Or, phone 800/428-5331.

The latest electronic offerings I have been attempting to make available to the campus through the Web are electronic journals, *Applied Physics Letters* from AIP (American Institute of Physics) and *Physical Review Letters* from APS (American Physical Society). And IOP (Institute of Physics) (UK) is set to make its full offering of journals available over the Net next year electronically, at no price increase from the print.

I invite PAM members to share their Internet knowledge via PAMNet or in the bulletin, and I encourage them to share their experiences in making e-journals or materials available to users. E.g., I have read that certain campuses, such as the University of California, Davis, are involved in an extension of the AT&T Right Pages project. The 9-campus University California is just starting a project with the Institute of Electrical and Electronics Engineers (IEEE), phase one of which makes bit-mapped images of the last 4 years of all IEEE journals available article-by-article via INSPEC searching on their online catalog.

PAM BULLETIN


The *PAM Bulletin* is published by the Physics-Astronomy-Mathematics Division of the Special Libraries Association. The *Bulletin* is issued four times a year: August, November, February, and May. Articles should be emailed to the Bulletin Editor:

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Subscriptions are free to PAM members and retired PAM members. Non-member subscriptions cost \$9.00 per year. Checks should be made payable to PAM-SLA. Claims for missing issues will be honored within 6 months for an address in continental North America and within 12 months for all other addresses. Subscription requests and claims are handled by the Assistant Editor:

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The world — it is a-changing (and staying the same). I just hope some of the above URL's are still accurate by print time. Please read more about cyberspace matters, such as electronic copyright, in the articles that follow. 

ASTRONOMY NEWS

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LISA II

Uta Grothkopf, from the ESO Library, reports the proceedings of the IAU technical workshop, Library and Information Services in Astronomy II (LISA II), held at ESO in May, 1995 will be published as a special issue of the journal *Vistas in Astronomy*. The volume will contain a selection of papers as well as abstracts of posters. Full texts of all available tutorials, papers and posters can now be found in the LISA-II area on the WWW at URL:
<http://www.eso.org/lisa-ii.html>

Bulletin of the Special Astrophysical Observatory

If you have not yet received issue 38 of this publication, which is now being distributed in the United States and worldwide by Vertex International Company, please contact Galina Shvedova, Chief Librarian at the Special Astrophysical Observatory, at this e-mail address: library@sao.stavropol.su.

Advertising on Pamnet

Joanne Goode wants to remind everyone about our policy prohibiting advertising on PAMnet. The wording of the new welcome message for the list states, "No commercial products or services may be advertised on the list, but the

list may be used to discuss commercial library materials, resources and equipment."

Los Alamos Preprint Server

Sarah Stevens-Rayburn informs us that the lanl preprint server now has a new URL:
<http://xxx.lanl.gov/archive/astro-ph>

If you have a link from your home page, it should be changed before the old link completely disappears.

Monthly Notes of the Astronomical Society of Southern Africa

Ethleen Lastovica, Librarian of the South African Astronomical Observatory, reported the following on ASTROLIB:

Due to an unfortunate oversight, the *Proceedings of the Second Symposium of the Astronomical Society of Southern Africa*, edited by W. Wargau and B. Cunow, was issued as MNASSA v. 54, no. 3/4, 1995. It has no resemblance in format, size or colour to MNASSA, nor does it indicate in the publication that it was meant to be an issue of the journal. An errata page will be mailed with the next issue of MNASSA.

Photometric data on the Web

Jean-Claude Mermilliod re-

ports that photometric data from about 3000 publications is available on-line through simple form queries. Mean UBV data can be obtained from there.


The URL is: <http://obswww.unige.ch/gcpd/gcpd.html>

Astrophysical Data System

Carolyn Stern Grant reports that in addition to the astronomy/astrophysics and space instrumentation sections of ADS, there is a new dataset called physics and geophysics. These datasets are searchable by author, object name (astronomy only), keyword, title, and/or abstract text words.

The service is FREE on the WWW, from the URL:
http://adsabs.harvard.edu/ads_abstracts.html

Astronomical Data Analysis Software and Systems Conference (5th: Tucson, AZ)

The session dealing with electronic information systems will be held on Tuesday, October 24th. I'll be there, along with Cathy Van Atta, Joyce Watson and hopefully other astronomy librarians. There is not supposed to be a discussion on electronic preprints this year, however, I'll report anything of interest to us in the next *PAM Bulletin*. 

PHYSICS NEWS

Compiled by
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Electronic Journals and IOP

First, the news: all Institute of Physics (IOP) journals will be available, in full, on World Wide Web, by Spring 1996.

After such a low-key start, how do I proceed to an unashamed plug for our products for the rest of this piece? Perhaps, rather, I should give a resume of how we got to this point.

The rationale might be described by three S's - Service, Surplus and Survival.

Service: The Institute of Physics is a registered educational charity, and has enshrined in its objectives a principal aim to assist in the dissemination of information and education in physics both pure and applied. It is critical that it takes all opportunities to promote and disseminate physics, and electronic communication has a major role to play in that. Thus, like its major sibling organizations, it currently offers electronic information and services. Formed from a merger of The Physical Society (a learned society interested in physics) and the original Institute of Physics (an institute concerned with physicists as professionals), it spreads its interests across physics news, scholarly research, meetings, conferences, education, curricula, lobbying government, and playing an increasingly international role - as

well, of course, as publishing books, journals, reference works and magazines in a variety of forms. It would be forsaking its responsibilities if it did not play its full part in electronic communication - from the formal to the informal - helping to get information disseminated ever more widely.

Surplus: The Institute of Physics is a non-profit learned society, but it cannot raise all the money it needs to carry out the above activities from membership dues alone. So it looks to its publishing activity to provide it with some of the resources so that it can continue to support physics and physicists. As long as publishing continues to have a valuable role, it is right and proper that learned societies should be in there pitching against the commercials and others - at least we think it is!

Survival: Contrary to the Harnad view, our publishing model is not about restricting communication, but opening it up - but we need to survive the process if we can. We put an awful lot of effort, for example, into administering the refereeing process for our journals - lots of professional staff, a giant computer database with 30,000 contact names - so that we can turn round manuscripts fast - and we do - as well as yet more staff helping authors with their electronic manuscripts

etc. Our acceptance rates run at around 50% - 70% on most journals, and of those accepted eventually, 60% plus are revised, sometimes significantly. But it if can all be done much cheaper, or electronically, or, if a lot of the procedures are not even necessary, as some assert, then we could be in trouble if we continued to invest time and money in an outdated system.

It does not seem like that to us - more likely, the danger is that new systems appear simpler and cheaper, but they then need massive central grants to develop and maintain them. They raise issues of centralised control, continued funding - even a major reversion to the page-charge system. In the meantime, the 'old' publishers might have gone to the wall, replaced more by 'new kids on the block' than by any radical restructuring of the transmission and coding of the products of scholarly research. Not surprisingly, and not just out of vested interest, we do not want to see that. We would like to see, and be part of, an orderly transition, if transition there will be. So, we will make all our journals available electronically; we will experiment with preprint and informal communication; we will introduce completely new services and products. Thereby, hopefully, we will survive and prosper.

How did we decide what to do? We needed decisions to make a start, not for all time. Here is how we went about it:

1. The method. We looked at delivery and access. Under deliv-

continued on page 5

ery, we have used e-mail, listserver and cd-rom for some applications, and they will continue to have their place. They all have significant disadvantages too - like time-liness, technical/protocol problems, or cost.

So we decided on access. The transformation of the Internet by the widespread adoption of World Wide Web and browsers like Netscape was crucial, and, to some extent, removes those old problems of competing standards and proprietary interfaces.

We also decided, at this stage, to do it ourselves, for two reasons. First a new intermediary inevitably puts another barrier between us and the user and, it is likely, takes another slice of money out of the system, and pushes up prices. Secondly, we know how to do it, since we've already pioneered two innovative on-line journal products, *Classical and Quantum Gravity* (CQG) and *Physics Express Letters* (PEL). The latter, for a short time at least, leads the world in presentation.

2. The format. Our experience, both technical and in market feedback, with CQG and PEL were vital. HTML is the language of the Web; its appearance on screen is defined by the browser; then, for us, T_EX/LA_TE_X, Postscript and Adobe Acrobat almost form another family of publisher-defined formats. This is because we already use T_EX and Postscript very extensively.

We decided to use them all. All full text will, it's almost certain, be available in Postscript and Acrobat. We have decided that the

current version of HTML is not quite good enough for full text for all our research papers - although the next version may be - but we will use it for headers.

3. Pricing and finance. This was another critical area. Every stm publisher we can find appears to be charging a premium, or differential price, for electronic access.

We decided this was the wrong route to go, at least for us. We have already invested heavily and expect to continue doing so. A lot, but not all, of this investment is in staff - indeed, it is pretty tough to get the equivalent of 60,000 pages of articles up, looking good, searchable, with all the ancillary services like registration and support, without a very significant investment.

We have decided to absorb this with our general price. After all, it has a number of advantages for us as well as libraries: if experience of CQG and PEL is any guide, it offers vast opportunities and take-up of usage and readership: all legitimate users belonging to sites that have taken out a full-rate subscription will be able to get access; no new purchasing decision has to be made - unless you are a new subscriber; it is simple e.g. orders can be taken through agents in the normal way. We will hope that our money will be recouped by stemming somewhat the cancellations that all publishers have seen over the last 20 years; who knows, we might even get some new ones. And, we are sure authors and readers will like it; and if we have them, and get more, that is a good route for sur-

vival.

That is not to say, however, that if in the future we develop some fancy new way or added-value features which cost us a lot and, we think, will have a particular market, we will not charge for it. We might well. But that is a different matter.

For the future our approach means we really must develop closer relationships with the libraries. In the main these will still be the conduit through which the money flows, but we need their help if we are all to help the physicists themselves. We think we have devised the simplest system to provide access - it will be based on the IP number of the site - here we will need the help of the library, and then the user will assign his/her own id and password - so, for example, they can keep the same ones for other services too.

There is scope for abuse of the system, and we will try to stop that, but we are more concerned with getting every legitimate user to try the systems than with preventing use.

If you have not already tried our WWW server, do come in and have a look at: <http://www.iop.org> and tell us what you think. And, as they say, Watch that Cyberspace for further developments.

Alan Singleton
Journals Director
Institute of Physics Publishing.

COMPUTER SCIENCE NEWS

Compiled by
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Computer Literature Roundtable Report

Approximately 37 people from academic and industry libraries and society publishers discussed current computer science topics on Tuesday, 13. June 1995, at the 86th Annual Special Libraries Association Conference in Montreal. This year the roundtable was hosted by PAM and co-sponsored with the Science-Technology Division.

Library Home Pages and WWW

How are librarians finding time to locate, evaluate and organize sources? The group talked about the duplication of effort with everyone making links to most-important pages, but each institution needs to tailor information to local users' needs with evaluative or descriptive annotations. Librarians are encouraged to submit relevant computer science (along with physics, astronomy, and math) sites and annotations to the PAM home page (<http://galileo.ifa.hawaii.edu/pamnet/pamnet.html>) coordinated by Kathleen Robertson.

Corporate librarians discussed their WWW efforts, including problems competing with others in the worksite. Jim Leonard at IBM & Gary at Argonne National Lab

have library home pages; Mary Campana reported that Intel has some 15,000 home pages. The point was made that the Web is the means to an end, not the end in and of itself.

Keep the home page flexible enough to change with needs; carve out your own niche by finding what the library knows best; use programming help if available within your organization so you can concentrate on content — students are quite good at this new technology. See Yale's Center for Advanced Instructional Media (http://info.med.yale.edu/caim/C_HOME.HTML) for their WWW style manual and Chicago's Adler Planetarium home page (<http://astro.uchicago.edu/adler/>).

WWW Cataloging

OCLC's cataloging of WWW sources is focus of a special workshop at ALA this year. Chem Abstracts is including the URL for the electronic journal. Bert Tepaske-King related that Math Reviews doesn't embed the URL in the citation, but they do keep track, letting folks know when URL changes. Rebecca Lasher said the Corporation for National Research Initiatives project (discussed at last year's roundtable) uses a handle server that creates a handle, keeping a unique map so that when the

URL changes, the handle "keeps up" with it (see <http://www.cnri.reston.va.us>).

History

Where to deposit old computer manuals and other historical items was followed up from the previous year's roundtable. Boston's Computer Museum never responded to our inquiry, so David Stern will follow-up with a letter and the answer will be posted on both nets (PAM and Sci-Tech).

IEEE

Kent Ekberg announced the new IEEE/IEE Electronic Library (250 CD's covering 1988 onward) for 1996 release with delivery eventually planned over the Internet. Subsets are also planned. Progress on standardizing conference titles was discussed. Comments are invited from a survey sent out several months ago to customers. This fall, IEEE will unveil its first electronic journal by the Electron Devices Society; developed with Stanford, the *Journal of Technology Computer Aided Design* will be free. *Proceedings of the IEEE* will be published in electronic and paper format for 1996. Bob Hohwald also announced that a new multimedia journal is coming out and that upcoming supplements to their educational journal would be issued via CD and/or WWW. See IEEE's home page for more details on these projects and products (<http://www.ieee.org>).

IEEE Computer Society

Matt Loeb said that subset sub-

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scriptions to their 16 society journals are available and that a CD-ROM would be issued by the end of the year starting with 1995. In 1996, the Computer Society celebrates 50 years of the computer by publishing computer history books and issuing a special poster.

Association for Computing Machinery

Susan Siedun discussed the ACM Electronic Publishing Project, an electronic database with every ACM publication. Planned for July 1996, this offers full-text, full-image, tables, SGML and more. Access for institutional members and individuals is planned. Questions were raised regarding site licenses or transactional charges and where the database might be located (could local copies be purchased?), Z39.50, and printing. Please send comments/feedback to siedun@acm.org at ACM (<http://info.acm.org>), especially those on pricing and access concerns. They want to know what works for your institution.

Information Access Company

Information Access Company now has its own home page (<http://www.iacnet.com>). They have moved full-text of the *Communications of the ACM* from the *Computer ASAP* database to the *Expanded Academic Index* and *Magazine Index* products. If you'd like to see it also back with COMP, send them your suggestion. 

MATHEMATICS NEWS

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MathSciNet

Author searches can be tried out on MathSciNet through the MathSciNet section of the American Mathematical Society's (AMS) e-Math home page. Up to seven papers can be retrieved, and there are hypertext links to the reviews, authors, journals, and the 1991 Mathematics Subject Classification. The URL is <http://e-math.ams.org/web/mathscinet/msn-home.html>

1991 Mathematics Subject Classification (MSC 2000)

The editors of *Mathematical Reviews (MR)* and *Zentralblatt für Mathematik* have initiated the revision process for the 1991 Mathematics Subject Classification.

A radical revision is not planned, but the revision will need to be completed by 1998 to use in *Current Mathematical Publications* in mid 1999 and in *Mathematical Reviews* and *Zentralblatt für Mathematik* in 2000.

Common Terms in Mathematical Statistics

H.A. David has compiled a list of the over 300 terms that are used commonly in mathematical statistics and their apparent first occurrence in print. See p. 121-133 in the May 1995 issue of the *American Statistician* (v.49, no.2).

Other Articles

V.I. Arnold has written an interesting opinion piece on the 1994 International Congress of Mathematics: "Will Mathematics Survive? Report on the Zurich Con-

gress," *Mathematical Intelligencer*, v.17, no.3, p. 6-10, Summer 1995.

The July/August issue (no.278) of *La Recherche* is a special issue on numbers.


Finally, the MIT Department of Mathematics Home Page (<http://web.mit.edu/org/m/mathdept/www/>) ends with a box and the statement: "Please enter your proof of Fermat's Last Theorem here."

Corrections to the Roundtable Minutes

1. About 40 people were in attendance.

2. MR will begin discussions with *Zentralblatt* on creating an electronic version of *Jahrbuch über die Fortschritte der Mathematik*. The extent of the project will be based on outside funding. The discussions are continuing, and the schedule has yet to be finalized.

3. No plans for *MR* and *Zentralblatt* to "exchange reviews" were mentioned in the Montreal talk. At that time, no discussions with *Zentralblatt* had taken place on standardization of journal abbreviations. Subsequently, such discussions have occurred.

4. *MR* is not "creating a new journal, *Reviews in Undergraduate Mathematics*". Such a journal is now at the discussion stage as a possible joint venture between the AMS and the MAA. Whether the new journal will be produced depends on the outcome of the discussion. 

MEMBERSHIP NEWS

Compiled by
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Now that everyone should have received their 1995/96 PAM Directory this is a good time to catch entries that need correcting.

****Please check the Directory, the addendum sheet, and this column before notifying me of changes.****

Please do not send me changes that are already corrected on the addendum sheet or in this column. Thank you! Individual changes in SLA directory information is the responsibility of each individual member. You may email SLA (Trudy Akin) at trudy@sla.org She is the Membership Clerk and her phone is (212)-234-4700, ext. 641.

If you have suggestions for anyone that might be interested in joining SLA or the PAM Division you may send their name on to me and I will write them a letter informing them about our division.
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CAREER UPDATES

Helen Knudsen

After 22 years as librarian at the California Institute of Technology Astrophysics Library, Helen Knudsen retired on 6 October 1995. Helen has provided exceptional library service over the years, and trained many astronomers and graduate students to expect that same high level of service when they went elsewhere. Her mantra, "Did you find what

you wanted?" was even used in a play authored by the astrophysics grad students at CalTech. Helen is also the founder and editor of *Astronomy and Astrophysics Monthly Index*, a valuable reference in many of our libraries. She plans to continue the journal, meaning she will now only be working one job instead of two! Her generosity and acts of kindness to colleagues near and far are legendary. At the time some of us were first coordinating the mailing of photocopies of selected journal contents to former Soviet libraries, we discovered that Helen was already sending gratis subscriptions to AAMI to many of these same libraries. Helen worked on the *IAU Thesaurus* (who can forget the TRex party in the PAM suite in San Francisco!), acted as guide on a memorable field trip to Palomar Observatory following the Anaheim SLA meeting, served as chair of many PAM committees, moderated with humor and wit many successful PAM programs and roundtables, and served as PAM Chair in 1988-89. We'll miss her, and wish her well as she continues her one-job career!

Jean Poland

Jean Poland, Head of Swain Hall Library at Indiana University, has been named one of nine USIS/ALA Library Fellows for 1995-96. Jean will spend four months at the Universities Central Library in Burma, also known as Myanmar, assessing automation needs in the library and working with the library school. Jean's fellowship period is from February 1 to May

30, 1996. She hopes to travel in Southeast Asia for a few weeks before and after her fellowship.

Robyn Shobbrook

Robyn Shobbrook will retire January 1996 from the Anglo-Australian Observatory library.

Special Libraries Association (SLA) 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 SLA. Acceptance of an advertisement does not imply endorsement of the products by SLA.

Corrections:

The previous issue incorrectly spelled the Secretary's name as Bob Seed. It is Bob Seeds.

The previous issue incorrectly identified the Secretary as working for the University of Pennsylvania. He works for Penn State.

The previous issue incorrectly spelled Ellen Bouton's name as Ellen Boulton.

PAMnet NEWS

Compiled by
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A&A, A&AS: STUDY OF RECEIPTS

Marion Schmitz is studying the dates of receipt of journals *Astronomy and Astrophysics (A&A)* and *A&A Supplement (A&AS)* to determine if issues are received late and/or out of order. Please send her your dates of receipt for *A&A* volumes 293:1 through 299:3 and *A&AS* volumes 109:1 through 111:3, if you have not done so already. Contact Marion for further information.

ASTROPHYSICS DATA SYSTEM

The Astrophysics Data System (ADS) is a NASA-funded project whose primary resource is an Abstract Service with almost 3/4 million abstracts from journals, proceedings, PhD theses, and NASA reports, searchable by author, object name, keyword, title, and/or abstract text words. The service is free on the World Wide Web, from URL http://adsabs.harvard.edu/ads_abstracts.html. For more information contact Smithsonian Astrophysical Observatory (617) 495-7154.

MATHEMATICAL PHYSICS ELECTRONIC JOURNAL

The intention of this journal is to publish papers in mathematical physics and related areas that are of the highest possible quality.

Research papers and review articles are selected through a normal refereeing process. The subscriptions and access are free, through the URL <http://henri.ma.utexas.edu/mpej/MPEJ.html>. For more information e-mail mpej@math.utexas.edu.

Math Librarians Survey

Nancy Anderson is surveying problems with acquisition of Russian monographs and would like to have information from you. She wants to know if you are still acquiring materials from the former Soviet Union and your experiences with this; how are your exchanges working? and other comments.

ASTRONOMY THESAURUS ON WWW

Robyn Shobbrook announces the availability of the *Astronomy Thesaurus* at URL <http://msowww.anu.edu.au/library/thesaurus/>. For more information contact Dave Fullagar at dave@merlin.anu.edu.au

CITATION STYLES

From the Hyperjournal-forum listserv here are some suggested resources: *MLA-Style Citations of Electronic Sources*, by Janice R. Walker <http://www.cas.usf.edu/english/walker/mla.html>

Citation Style for Internet

Sources, by Mark Wainwright <http://www.cl.cam.ac.uk/users/maw13/citation.html>

How Do You Cite URL's in a Bibliography? by Jeff Beckleheimer <http://nrlssc.navy.mil/meta/bibliography.html>

Suggestions from the LINGUIST Listserv <http://lamp.cs.utas.edu.au/citation.txt> APA and MLA Citation Styles <http://www.utexas.edu/depts/uwc/html/citation.html>

National Library of Medicine Recommended Formats for Bibliographic Citation by Karen Patrias

SLA Course on the Internet

SLA has released an interactive, self-study workbook-style course on the Internet, entitled *Getting Started on the Internet*. Cost is \$99 for SLA members; \$129 for non-members. To order call (202) 234-4700, ext. 643. For additional information contact Anne Marie Del Vecchio at extension 617.

PREPRINTS AND E-PRINTS

Stanford Linear Accelerator Center (SLAC) Library has been providing a bibliographic database of high-energy physics and related preprints and published articles for decades. This service has grown into a collaborative effort of sister laboratories works-wide. Effective June 30, 1995, SLAC stopped the eprint processing of the text of the eprints because the Los Alamos agreed to begin providing a postscript version. The Spires database may be accessed at URL

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<http://www-spires.slac.stanford.edu/find/spires.html>. A weekly list of new preprints by subject may be obtained by connecting to URL <http://www-spires.slac.stanford.edu/find/libnews.html>.

FEDERAL SUPPORT

If you are interested in maintaining federal support for the laboratories operated by NIST as the federal government goes through a downsizing process, you may want to write or e-mail your legislators on this topic. Dorothy Manderscheid has sample letters.

ACTIVE LEARNING TECHNIQUES

The Teaching Methods Committee of ACRL is beginning work on a second edition of their "active learning cookbook". They want our ideas for incorporating active learning into library and/or information sessions. Contributions may be on disk or hard copy. Prior to publication you will be contacted for permission to publish your contributions. Contact: Gail Gradowski, Orradre Library, Santa Clara University, Santa Clara, CA 95053-0001.

INSPEC ON CD-ROM: feedback wanted

Howard Dess is interested in hearing pros and cons of the CD-ROM version of INSPEC. Is it living up to your expectations and those of the user community? Have you encountered any problems in the use of this product?

FIRST ELECTRONIC ASTRONOMY JOURNAL IS BORN

The American Astronomical Society and the University of Chicago Press, with funding from the National Science Foundation, have created the first on-line journal for reporting astronomical research results. The *Electronic Astrophysical Journal Letters* is now available on the World Wide Web, at <http://www.aas.org/ApJ/>. The electronic version will be available one month before the paper version.

WEB SITES NOTED

-Nonlinear Science Today, an electronic adjunct to Journal of Nonlinear Science: <http://www.springer-ny.com/nst>
-America's Job Bank: <http://www.ajb.dni.us/>

-Memories and thoughts on Professor S. Chandrasekhar: <http://astro.uchicago.edu/chandra/>
-Udata CD-ROM catalog: <http://www.updata.com>
-American Society for Engineering Education: <http://www.engin.umich.edu/facility/library/ASEE/ELD.html>
-NRAO Library Catalog: http://www.aoc.nrao.edu/NRAOLIB.HTML_NRAO
Hosted Meetings, Conferences, and Workshops: <http://www.cv.nrao.edu/html/library/meetings.html>
-NRAO home page: <http://www.aoc.nrao.edu/>
-Astronomer Group home page: <http://www.demon.co.uk/astronomer/>
-University of Lausanne Photometric data: <http://obswww.unige.ch/gcpd/gcpd.html>

JOB OPENING

Stanford Linear Accelerator Center Archivist, position number 21004. Mail applications to SLAC Employment Office, ATTN Job Number 21004, P.O. Box 4349, N/S 1 1, Stanford, CA 94309

PAM OFFICERS

Please send nominations for PAM Chair-Elect and Treasurer to Molly White, Chair of the Nominating Committee, mwhite@mail.utexas.edu

The Treasurer serves for 2 years, June 1996-June 1998.

The Chair-Elect serves June 1996-June 1997 as Elect and June 1997-June 1998 as Chair.

The slate of the Nominating Committee will be announced in the February PAM Bulletin.

SEEKING

NOMINATIONS

COPYRIGHT: What was learned...

Submitted by
Rebecca Lasher
rlasher@forsythe.stanford.edu

Copyright - What was learned in the ARPA funded CS-TR Project.

The following information on copyright is taken from a computer science technical report titled *The Computer Science Technical Report (CS-TR) Project: Considerations from the Library Perspective* written by Greg Anderson¹ (MIT), Vicky Reich³ (Stanford) and Rebecca Lasher² (Stanford). The postscript version of the technical report is available at <http://elib.stanford.edu:80/TR/STAN:CS-TR-95-1554>.

The ARPA funded CS-TR Project

In 1992 the Advanced Research Projects Agency (ARPA) funded a three year grant to investigate the questions related to large-scale, distributed, digital libraries. The award focused research on Computer Science Technical Reports (CS-TR) and was granted to the Corporation for National Research Initiatives (CNRI) and five research Universities. The ensuing collaborative research has focused on a broad spectrum of technical, social, and legal issues, and has encompassed all aspects of a very large, heterogeneous distributed digital library environment: acquisition, storage, organization, search, retrieval, dis-

play, use and intellectual property. The initial corpus of this digital library is a coherent digital collection of CS-TRs created at the five participating universities: Carnegie Mellon University, Cornell University, Massachusetts Institute of Technology, Stanford University, and the University of California at Berkeley. The Corporation for National Research Initiatives serves as a collaborator and agent for the project.

Copyright

Intellectual Property (IP) is a fundamental issue in building digital libraries. At the beginning of this project, participants assumed that there would be few or no copyright issues with the Technical Reports. They assumed that the reports published at their schools were either in the public domain or that the rights were held by the University. Later, as questions arose, the group assumed that a single strategy would work for each institution. This proved to be naive. Upon investigation with legal counsel, researchers discovered that each school treated its intellectual property differently and so five different approaches evolved.

At Stanford, the librarians took on the role of insuring that these IP challenges did not pose a risk to the University or to the Faculty.

We identified scenarios that needed attention and began to meet with legal counsel to determine appropriate responses. These efforts helped us to articulate a set of intellectual property management models now used by the CS-TR projects at Stanford and Cornell. We encourage other schools to use these points to form guidelines for themselves. This is NOT legal advice. Every institution must rely on the advice of its own counsel. The worldwide legal environment is undergoing change and our current approach may become obsolete in the face of new laws and treaties.

- At most U.S. academic institutions, the author owns the copyright to any books, articles, or technical reports. Works published prior to March 1989 without a copyright notice are in the public domain (unless steps were taken within 5 years to establish copyright ownership). Works, with or without a copyright notice, published after March 1989, are copyrighted.

- In most cases, reports that are produced, or that report on work sponsored by the government are not in the public domain. The government can make copies but at most institutions, the author owns the rights.

- Most CS-TR institutions ask authors to sign a form granting the institution non-exclusive, revocable, royalty-free license to publish, perform, display, and distribute the works. One author's signature is binding on multiple authored works.

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PAM DIVISION AWARD

David Stern
david.e.stern@yale.edu

It is time again for nominations for the PAM award. The guide lines, 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 notify one of the committee members. They are David Stern - Chair (david.e.stern@yale.edu), Nancy Anderson (ndanders@uiuc.edu), and Jack Weigel (jweigel@umich.edu).


Thanks. 

If the author requests, remove the technical report from the server and point to the printed article.

- Include a notice with the technical reports to inform those viewers of their rights: for example, viewing on-line and transmitting over the network (this may well be legally considered a "performance" of the work); making printed copies; distributing copies to others; and selling copies to others. This relieves the users of guessing what restrictions apply, view the work and perhaps make a personal copy. But can they legally send a copy to a colleague? Cornell has chosen to clarify these issues by explicitly sub-licensing rights to the user (see <http://ctr.cs.cornell.edu/>). This makes clear the user's rights to make copies, quote, or redistribute the technical report. However, the sub-license must preserve the author's right to withdraw the technical report from further distribution.

¹Anderson was MIT Libraries Associate Director for Systems and Planning at the time this technical report was written. He is now MIT Information Technology Discovery Process Leader (ganderso@mit.edu).

²Lasher is the Head Librarian, Mathematical and Computer Sciences Library, Stanford University (rlasher@forsythe.stanford.edu).

³Reich is Assistant Director Highwire Press and Information Access Analyst, Stanford University Libraries, Stanford University (vicky.reich@forsythe.stanford.edu). 

- If an author has signed or plans to sign an exclusive agreement with a publisher for a particular work (or for substantially the same work) in a particular format, that author cannot then sign a non-exclusive agreement with the institution for the same work in the same format.

- If an author signs a non-exclusive agreement with an institution for a technical report and then decides to publish the same work elsewhere, the author should inform the publisher of this previous agreement. The author should then grant the Server Management written permission for the non-exclusive rights to publish, perform, and display the works before any works are loaded. If the author indicates s/he has already signed an exclusive agreement with a publisher, the technical report should probably not be mounted on the server without permission of that publisher.

- At some institutions the authors do not own the rights to their works. Each institution should be clear about copyright ownership before mounting technical reports on servers.

- There are several ways to manage technical reports that are submitted to publishers as articles.

Ask the authors not to sign the exclusive agreements with publishers. Ask them to modify the publisher's standard agreement to allow the institution to keep the work up on a server.

Make special arrangements with the publishers so the technical reports can stay on the servers even if an article is published.

PAM Calendar of upcoming events:

January 15, 1996	Nominations for PAM Officers
January 15, 1996	Deadline for February Issue of the <i>PAM Bulletin</i>
January 25-27, 1996	SLA Winter Conference (Cleveland, OH)
January 28-30, 1996	Winter Education Conference (Cleveland, OH)
June 8-13, 1996	SLA Annual Conference (Boston, MA)

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