

Access to scientific literature in the times of electronic
data exchange
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Klaus Jockers

- The questionnaire
- Elektronische Zeitschriftenbibliothek
- vlib

1. Do you occasionally browse the literature to find new publications in your field?

Mostly at weekly or shorter intervals. Online/paper = 5. In rare cases the supervisor provides info about new literature.

2. Do you occasionally browse the literature to find news about science in general?

Mostly at monthly intervals. Online/paper = 2.

3. Do you occasionally browse the internet for news about science in general and in your field? If yes, please provide three url addresses you find interesting and think that it is worthwhile to make them generally known.

List of selected sites provided by the students on next slide:

<http://sci.esa.int>
<http://xxx.lanl.gov/archive/astro-ph> (astro-preprints)
<http://antwrp.gsfc.nasa.gov/apod/astropix.html> Astro picture of today
<http://scienceworld.wolfram.com/>
<http://www.sciencenow.org>
<http://spaceflightnow.com> (space news in general)
<http://marsociety.de>
<http://wissenschaft.de>
<http://jpl.nasa.gov> (NASA news)
<http://esa.int> (ESA news)
<http://www.faz.net/s/Rub7F4BEE0E0C39429A8565089709B70C44/Tpl~Eaktuell~Suebersicht.htm>
(Frankfurter Allgemeine Zeitung)
<http://skyandtelescope.com/news/> (Sky and telescope)
<http://www.newscientist.com/>
<http://www.physlink.com/>
<http://www.livingreviews.org/> (online review journals)
<http://physicsweb.org/>

4. You have got an idea about a possibly new scientific result and would like to know if it has already been published by somebody else, how do you proceed?

question about reliability of the literature source

The question was not well posed. Supervisor plays an important role here.

5. Please indicate one or more data sources (online or in a paper publication, then it will be mostly a literature quotation) you have used to advantage for your scientific work. Do you know of a data source you find important for your work but do not have access to?

Selected answers of students provided on next slide.

<http://science.nasa.gov/ssl/pad/solar/>
<http://www.mathforum.com/>
<http://www.astro.uu.se/~vald/> (Vienna Atomic Line database VALD)
http://physics.nist.gov/cgi-bin/AtData/main_asd (NIST Atomic Spectra Database)
<http://www.astro.uva.nl/scatter/> (scattering properties)
<http://www.astro.uni-jena.de/Laboratory/Database/databases.html> (mineral data)
<http://opticsinfobase.org> (Optical Society of America)
<http://urania.astro.spbu.ru/DOP/> (optical properties of particles)
<http://www.igpp.ucla.edu/> (Geophys. and Planetary Phys. UCLA)
<http://www.obspm.fr/encycl/encycl.html> (extrasolar planets)
<http://cdsweb.u-strasbg.fr/> (CDS, Simbad, VizieR)
http://en.wikipedia.org/wiki/Main_Page (public encyclopedia)
Hipparcos Catalogue (paper).
PPI node of the Planetary Data System.
HiTran spectral lines.
Landolt-Börnstein
Handbook of Physics and Chemistry
www.webelements.com (periodic table of elements professional edition)

6. Do you find the text books available in your library adequate?

Mostly yes. For MPS: Some find that there are not enough classical textbooks in English, and if the topic is somewhat exotic, like glaciology, there are complaints about availability. More books on image processing, wavelets, IDL and LATEX are requested.

7. Have you ever proposed a book or journal to be acquired by your library?

Some have, with mixed success. My advice: propose to the library advisor (i.e. to me, if you are at MPS), even if there may be only mixed success. Inquire after a few days if the book will be acquired. There are many reasons why a book acquisition may be delayed.

My policy concerning book acquisition:

- Highest priority is for specialized textbooks. Here belong also collections of papers which present a general view on a topic (like the U. of Arizona Space physics series). We should have modern textbooks of general physics as well. But here I need your help, as I am used to the books which I used as a student (mostly in German).
- Second priority is for conference proceedings on topics of interest to MPS.
- Books on wavelets, image processing, IDL, general math. are ok, but only one book per title. The books you want to have permanently on your desk you should buy yourself.
- Journals: The prize is a major concern here.

8. Have you ever asked for books to be sent to your library from other libraries?

UB Göttingen works more slowly than other libraries: very true!

9. Data sources: see later

10a: online text retrieval: see later.

10b: bibtex: There is some limited experience.

11. What do you do if you cannot get access to a full text?

a: I ask my librarian. (11)

b: I ask a friend from another institute who may have access to send me the electronic file with the publication. (4, some have asked paper from author)

c: (for MPS students): I go to the Universitätsbibliothek in Göttingen to find the text there. (very few) The library is recommendable!

12. (for MPS students:) I am sure you have been in our library and have checked the unbound journal issues for new issues. You may have noticed that there are white markers on some of the boxes with the new issues. What do they mean?

No single correct answer.

They mean that a new issue has appeared in the last week.



13. Do you have any suggestions for improvements regarding literature retrieval at MPS? (excluding remarks discussed earlier)

- It should not be possible to have books on one's desk for an extended period.
- An English version of the OPAC (online public access catalogue) should be available.
- The journal "New Scientist" should be subscribed again.

Bibliothekskataloge in der Verbundzentrale des GBV:

<http://www.vzlbs.gbv.de/cgi-bin/wwwlibmenu>

9. Are you aware of the existence of the following online data sources:

a: Web of knowledge? (a few)

b: NASA ADS? (all, very popular)

c: Elektronische Zeitschriftenbibliothek der MPG? (a few)

d: vlib? (nobody)

In the following I will introduce you to vlib. Then we will go online and I will demonstrate to you Elektronische Zeitschriftenbibliothek der MPG and vlib (including web of knowledge)

In order to keep up with the present revolution of electronic information and grow into a leading role in Europe, the Max-Planck-Society has initiated a 5-year project, generously supported by the Heinz-Nixdorf donation:

The Heinz Nixdorf Center for Information Management in the Max Planck Society. <http://www.zim.mpg.de>

The main tasks of this project: vlib and edoc

edoc: The eDoc server provides a unique entry point to the accumulated research output of the Max Planck Society.

vlib: We are setting up an information portal with a common search interface for distributed resources (Max Planck online library catalogs, A&I databases, relevant web repositories) and a Max Planck context sensitive reference linking system. This project is the starting point of a Virtual Library for Max Planck Society, which is expected to mature over time.

vlib <http://vlib.mpg.de/V?RN=778702271>

Portal can be used with special log-in account (to be ordered in the library) or as guest user.

The log-in account allows to personalize the setup, and store useful data bases and search results. It was promised that the login account, if accessed from anywhere in the world, identifies the user as authorized person to access the data bases provided by the Max-Planck-Society, but this seems not always be functional.

vlib: virtual metalibrary provides:

- search library catalogs and databases simultaneously under a common interface
- link to and search resources individually under their original interfaces
- create a personal resources list (permanent only for registered users)
- use the MPG SFX buttons to view additional relevant services (e.g. access to full text)
- save, e-mail or download search results

Before we look at it lets take a brief visit to the

Elektronische Zeitschriftenbibliothek der MPG

<http://rzblx1.uni-regensburg.de/ezeit/fl.phtml?bibid=MPG>

vlib *Virtual library of the MPG*

<http://vlib.mpg.de/V?RN=982561143>

Data bases which were in part demonstrated online:

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|-----------------------------------|--|
| - Journal Collection | Annual Reviews |
| - Reference Database | Computer & Info Systems (CSA) |
| - Reference Database | Conference Papers Index (CSA) |
| - Reference Database | Current Contents (Ovid) |
| - Subject Gateway | DBLP-Computer Sci |
| - Factual Database | DEPATISnet |
| - Reference Database | Dissertation Abstracts (Ovid) |
| - External Library Catalog | GBV Union Catalog |
| - Reference Database | GeoRef (CSA) |
| - Reference Database | INSPEC (Ovid) |
| - Reference Database | ISI Proceedings (WoK) |
| - Factual Database | Journal Citation Reports (WoK) |
| - ePrint Server | MPG eDoc Server |

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|------------------------------|--------------------------------------|
| - MPG Library Catalog | MPG Journal Index |
| - MPG Library Catalog | MPI Physics |
| - MPG Library Catalog | MPI Sun Research |
| - MPG Library Catalog | MPIs Astrophys/Extraterr Phys |
| - Reference Database | NASA |
| - Reference Database | NASA-ADS |
| - Journal Collection | Science |
| - Factual Database | SciFinder (CAS) |
| - Reference Database | Web of Science (WoK) |