



## CrossRef Member Update

Ed Pentz, Executive Director

October 4, 2001

### *Members, Affiliates and Agents*

*Members:* 83

*Affiliates:* Cambridge Scientific Abstracts (CSA), Dialog, EBSCO Publishing, Fiz-Karlsruhe, IFIS Publishing (International Food Information Service), iGROUP (Asia Pacific), Korea Info-Net Service, Inc. (KINS), Information Express (Reviews.Com), Maruzen, National Center for Post Traumatic Stress Disorders, Openly Informatics, SwetsBlackwell

*Agents:* Allen Press, BioOne, American Institute of Physics, ingenta/CatchWord, HighWire and Metapress

*Library Affiliates:* Boston College, KAIST (Korean Advanced Institute of Science and Technology), Max Planck Institute Library, Toshiba Corporate Library, Lund University

### *Annual Meeting 2001/Special Member Meeting*

The rescheduled Annual Meeting is October 8, 2001 at the Arabella Grand Sheraton in Frankfurt from 10:00-12:00. Material for the meeting is available at [http://www.crossref.org/members\\_only/election.htm](http://www.crossref.org/members_only/election.htm).

*Special Member Meeting, December 4<sup>th</sup>, 2001* – due to the short notice for the meeting on October 8<sup>th</sup>, 2001, **there will be a special member meeting on December 4<sup>th</sup>, 2001 from 09:00 – 12:00 followed by lunch at the Copthorne Tara Hotel, Kensington, London.**

*Technical Implementation Workshop, December 4<sup>th</sup>, 2001* – a technical implementation workshop will follow the special member meeting on December 4<sup>th</sup>, 2001 from 14:00 – 17:00 also at the Copthorne Tara Hotel, Kensington, London.

*Annual Meeting* - The main items for the Annual Meeting are to hold the election and ratify changes to the By-laws, Certificate of Incorporation and Membership Agreement.

*By-laws.* The amendments to the by-laws are to:

- Correct a typographical error in Article I, Section 3
- Clarify when elected directors assume their duties in Article V, Section 1

- Clarify the status of “alternate directors” designated by members holding Board seats in Article V, Section 2
- Clarify the oversight role of the Loan Committee in Article VII, Section 4.

*Membership Agreement.* The changes are:

- Section 3 - upon joining CrossRef a member agrees to allow others to link to them and they also have an obligation to link to others. This has always been implied in how CrossRef operates but it is now clarified as an obligation of membership. Most members start depositing content in CrossRef before they begin retrieving DOIs, but it is expected that all members are working on implementing reference links.
- Section 3 (a) broadens the type of information that CrossRef may collect. For instance, we will be adding the facility to deposit conference proceedings and reference works and e-books and it may be useful to collect different types of metadata. However, the board would need to vote to approve collecting any additional metadata from members.
- Section 7 - CrossRef has been participating in a prototype on Localized Linking that will require Reverse Metadata Lookup – i.e. sending a DOI to CrossRef and retrieving the metadata. Localized Linking/Reverse Metadata Lookup has not been approved yet but it will be discussed at the Annual Meeting.
- Section 27 – this is a very important addition to protect members. This is a “most favored nations” clause. If any material changes are made to the Membership Agreement then all members will have the option of accepting the new agreement. This would mean that no member would have better terms than any other member.

### ***Localized Linking Prototype***

CrossRef policies for Localized Linking will be a key topic of discussion at the special member meeting on December 4<sup>th</sup>.

A paper summarizing the Localized Linking/OpenURL prototype that CrossRef has been participating in with the Digital Library Federation (DLF), Ex Libris, CNRI, LANL, Ohio State and University of Illinois is in the September issue of D-Lib magazine - <http://www.dlib.org/dlib/september01/caplan/09caplan.html>.

Ex Libris has also created a demonstration of how localized linking with SFX works from the end user perspective - <http://www.sfxit.com/demos/crossrefdemo2.html>

### ***Proposed Policies***

- Allow library affiliates to retrieve metadata for Localized Linking under the \$500/year fee. Reuse of metadata for other purposes would not be allowed.
- Library Affiliates and linking system vendors (Ex Libris) will need to sign agreements that:
  - 1) Have appropriate restrictions on reuse of metadata
  - 2) Require a link to the publisher’s site on intermediate screens – even when a library doesn’t have a subscription to full text

- 3) Require statements that libraries and vendors will respect copyright and consider method for notification of illegal document delivery services and for links to such services to be removed
  - 4) Link options presented to users will not violate the terms of license agreements the institution has signed with publishers
  - 5) Linking systems vendors to implement a publisher "opt-out" at the linking server level
- Publisher opt out will be implemented in the DOI system when feasible

### ***CrossSearch***

CrossSearch aims to add functionality to publisher websites by providing users with comprehensive search over participating publishers' full-text content. At the same time, it is intended to be an opportunity for publishers to "add value" and offer an alternative to the inroads being made by other searching and content aggregation initiatives, such as the governmental PubMed Central (PMC) and PubScience. CrossSearch is warranted by the demand for cross-publisher, cross-discipline navigation of scholarly content that researchers have already demonstrated through their growing use of aggregator services.

Not only is there now an obvious niche for a search facility that is limited to peer-reviewed literature, it is also clear that full-text search is required. In a recent editorial in *Nature*, Declan Butler writes:

"... PMC and E-Biosci highlight the urgent need to index the full text of papers and their metadata and not just abstracts, as is the practice of PubMed and other aggregators. Services that require publishers to deposit full text only for indexing and improving search are useful. Unfortunately, PMC, unlike E-Biosci, confounds this primarily technological issue with an economic one, by requiring that all text be made available free after, at most, one year. It is regrettable that PMC has not in the first instance sought full-text indexing itself as a goal, as this in itself would be an immediate boon to researchers. It would also probably have been more successful in attracting publishers." <http://www.nature.com/nature/debates/e-access/Articles/opinion2.html>

CrossSearch will fill this gap, by creating a system for researchers to navigate publishers' content based on an index of the full text, without the requirement for full text aggregation. CrossSearch would be an enabling infrastructure that publishers could take advantage of in order to add value to their own sites. It would allow end-users an alternative to aggregators while allowing publishers to have greater control over access to and sales of their journal content.

The principles of CrossSearch are:

- CrossSearch would be optional for CrossRef members
- Searching would be reciprocal; in order to search other publishers, a publisher needs to allow others to search its content/site
- Searches would be offered from publishers' sites, not from a central CrossRef page. Libraries and other third parties will most likely also be interested in offering an

interface to CrossSearch. This would be useful in driving more traffic to publishers' content

- Access to content would be controlled by publishers

### ***CrossRef Marketing***

*Marketing materials and journal ads.* Members can help spread the word about CrossRef in a variety of ways. Informational materials for publishers and libraries, as well 4x6 inch CrossRef signs, are now available for use in your exhibit booths. Please contact Lisa Hart ([lhart@crossref.org](mailto:lhart@crossref.org)). New PDF color and black-and-white ads (6x9 and 7.25x10) targeting the research community are posted at the members-only section of our website- [http://www.crossref.org/members\\_only/branding.htm](http://www.crossref.org/members_only/branding.htm). Quark files for the same ads for available upon request ([abrand@crossref.org](mailto:abrand@crossref.org)), in case you would like to customize the ad copy. Website banner ads (small and large) are also available and we will be speaking with members about placing the banners on their websites.

The CrossRef contribution to the Nature online debate "Future e-access to the primary literature" [<http://www.nature.com/nature/debates/e-access/index.html>] was published and is available at <http://www.nature.com/nature/debates/e-access/Articles/pentz.html>

*Website* - Reminder for the members' area of website: username: cr\_member password: ref-linking

**Go Live Table** - [http://www.crossref.org/members\\_only/golive.html](http://www.crossref.org/members_only/golive.html)

**Status Report** - [http://www.crossref.org/members\\_only/status.html](http://www.crossref.org/members_only/status.html) - this new page provides aggregate information on deposits and the DOI matching rate.

### ***CrossRef System***

*System Rewrite* – we are pleased to announce that Atypon Systems (<http://www.atypon.com/>) has been chosen as the vendor for the CrossRef System Rewrite. The project started on September 12, 2001 and will be completed in April 2002. We will be working very closely with Atypon on an entirely new CrossRef system. Regular updates on progress will be provided in future Updates.

Information on Atypon:

Since 1996, Atypon has created reliable software solutions specifically for the publishing industry. The new CrossRef system will be based in part on Atypon's Literatum System, a full service adaptive information management platform that conforms to the needs of electronic publishing with intelligence and flexibility. Literatum is a proven, field-tested system, in operation for the last three years.

Atypon's customers include HighWire Press, Academic Press (IDEAL), and, most recently, Blackwell Publishing. With strong partnerships in place and the best minds in R&D, Atypon continues to provide the publishing industry with the best in technological solutions and services.

Atypon is headquartered in Santa Clara, California and maintains a European office in Athens, Greece. For more information about Atypon, please visit [www.atypon.com](http://www.atypon.com), email: [inquiries@atypon.com](mailto:inquiries@atypon.com) or call 1(408) 988-1240 ext.317

*Multiple Resolution* - CrossRef will participate in the IDF session on DOIs at the Frankfurt Book Fair (October 10, 2001 9:30-12:00 PM Europa Room, Hall 4.0). Multiple Resolution for journal articles will be demonstrated. Multiple Resolution will also be a main topic for December 4<sup>th</sup>, 2001.

*Schema development* - Inera has completed work on the conference proceeding and book DTDs, and has now merged them into a single DTD to cover journals as well. Going forward, CrossRef will be able to register DOIs on the journal article, issue, and title level. The unified DTD is now being converted into an XSD schema, which will be circulated for comment to interested members, along with documentation, this month. Inera will also be reviewing the new Onix-for-serials documentation to ensure compatibility.

*Parameter Passing* – a draft list of standard parameters is under discussion. A conference call to discuss the parameter is scheduled for Oct 19, 2001 @ 10:00am (EDT). There is also a Parameter Passing email list. If you are interested in joining the discussions, please email Mark Kosinski ([mkosinski@crossref.org](mailto:mkosinski@crossref.org)). CrossRef will send a white paper/recommendation on Parameter Passing to all members after further discussions.

*Data Center Move* – CrossRef will be moving its system from Exodus Communications to WorldCom on October 6<sup>th</sup>. The CrossRef system will be unavailable from 7pm EDT on October 6<sup>th</sup> to 7pm EDT on October 7<sup>th</sup> while the move occurs. WorldCom is the largest Internet backbone provider in the world so connectivity should be very good around the world.

### ***System Stats (as of August 7, 2001)***

**5158** (4905 in August) total journals in database  
**3,501,277** (3,339,834 in August) records in database  
**Members: 83** (77 in August)

**Depositor Reports** - <http://mddb1.crossref.org/crossref/reports/>. (cr\_member /ref-linking to login). I haven't included the list of depositor information since it is available on the website and updated daily.

### ***Reference Linking***

Those publishers creating reference links (if you aren't on the list but are creating links, let me know):

American Physical Society (PROLA)  
ALPSP  
Blackwell Science  
Elsevier Science  
Harcourt (Academic Press, Mosby, Saunders)  
Institute of Physics Publishing  
International Union of Crystallography

Mary Ann Liebert  
Nature  
Pion  
The Royal Society  
Science  
Springer Verlag  
Taylor and Francis  
Turpion  
John Wiley and Sons

### ***DOI Resolutions***

Resolutions from CrossRef have obviously increased substantially. This is due to testing of DOI resolution by a number of CrossRef members and increased presence of DOIs in journal content. While many of the resolutions are not “end user clicks” the figure shows that the DOI System can handle a high level of resolutions and that many members and affiliates are actively using and testing DOIs.

May 2000 -	87,509
June 2000 -	128,984 (+47%)
July 2000 -	187,738 (+45%)
August 2000 -	209,684 (+12%)
September 2000 -	226,060 (+8%)
October 2000 -	294,316 (+30%)
November 2000 -	304,071 (+3.5%)
December 2000 -	250,666 (-18%)
January 2001 -	336,290 (+34%)
February 2001 -	356,772 (+6%)
March 2001 -	388,581 (+9%)
April 2001 -	383,546 (-3%)
May 2001 -	430,701 (+12%)
June 2001 -	364,977 (-15%)
July 2001 -	968,576 (+265%)
August 2001 -	818,510 (-18%)
<b>September 2001-</b>	<b>8,420,977</b>

### ***International DOI Foundation (IDF) Update***

CrossRef will participate in the IDF session on DOIs at the Frankfurt Book Fair (October 10, 2001 9:30-12:00 PM Europa Room, Hall 4.0). CrossRef will demonstrate multiple resolution for journals and conference proceedings. Content Directions and Enpia System, the other two RAs, will also make presentations.

### ***Registration Agency Working Group (RAWG)***

A proposal is being developed for RAs to run DOI Local Handle Servers (LHS). This would mean that CrossRef would hold the DOIs and URLs for all the content it registers and mirror the system back to CNRI. At the present time, the CrossRef system deposits the DOIs and URLs with CNRI in Reston, VA. Hosting a LHS would be more efficient and insure that there are multiple copies of the DOI system in case of failure of any part of the system.

### ***EDItEUR and ONIX***

ONIX is the international standard for representing and communicating book industry product information in electronic form. EDItEUR (<http://www.editeur.org/>) manages this standard. Release 2.0 is now out and includes support for e-books.

ONIX for Serials is now underway and CrossRef is providing input - <http://www.editeur.org/onixserials.html>

### ***Vendors Offering Linking and Journal Services***

Content Directions, Inc (<http://www.contentdirections.com>) - Content Directions, Inc., founded by David Sidman, is a consulting firm dedicated to promoting the adoption and implementation of the Digital Object Identifier (DOI) throughout all sectors of the online publishing industry. This includes consulting on how the DOI can increase an organization's revenues and cut costs, registering DOIs for digital content and establishing "Look-Up" routines for content owners eager to link their content with others. For further information contact: David Sidman, CEO, CONTENT DIRECTIONS, INC., phone: (212) 792-1847, fax: (718) 768-6777, email: [dsidman@contentdirections.com](mailto:dsidman@contentdirections.com)

ingenta (<http://www.ingenta.com/>) - ingenta's reference linking solution enables the activation and, where possible, resolution of the journal references within the publisher's full text journal articles to either the cited full text or an abstract of the cited full text. Reference links are built into the documents and automatically updated as new resources are added so the links are always current. ingenta can offer linking implementation support to publishers regardless of whether the journals are hosted at ingenta. ingenta's reference linking solution also extends to deposition of materials at CrossRef plus look-ups and embedding of retrieved DOI's. For more information visit <http://www.catchword.com/reflink.htm>