



CrossRef Member Update

Ed Pentz, Executive Director
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Members, Affiliates and Agents

Members: 77

Affiliates: Cambridge Scientific Abstracts (CSA), Dialog, EBSCO Publishing, 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: KAIST (Korean Advanced Institute of Science and Technology), Max Planck Institute Library, Toshiba Corporate Library, Lund University

Annual Meeting 2001

Please register for the Annual Meeting - http://www.crossref.org/members_only/meetinginfo.htm. The deadline is August 24th, 2001 but no need to wait until the last minute.

Implementation Workshop, September 14th, London

The day after the Annual Meeting there will be a Technical Implementation Workshop in the same hotel as the Member Meeting. There is a separate registration form. This meeting is for technical staff, so it is not necessarily expected that those people attending the Member Meeting will also attend the Workshop.

Election

The election for the board of directors will be taking place at the Annual Meeting. The main business contact for each member organization is being sent a package of materials for the election and Annual Meeting. The business contact for each member will be responsible for voting (in person or by proxy) or designating someone to vote at the Annual Meeting. The materials have been posted to the website - http://www.crossref.org/members_only/election.htm. The materials include the list of candidates for the board, candidate statements, revised by-laws, a revised Membership Agreement and other election documents. The board is being expanded from 12 to 15

members. The members elect the board to run the organization and moving to a 15 member board of directors, with a mix of non-profit, commercial, U.S. and European organizations will ensure that the board will be representative of the members.

The amendments to the by-laws are to correct a typographical error in Article I, Section 3, to clarify the timing of when elected directors assume their duties in Article V, Section 1, to clarify the status of “alternate directors” designated by members holding Board seats in Article V, Section 2, and to clarify the oversight role of the Loan Committee in Article VII, Section 4.

Membership Agreement

In addition to expanding the board, a number of revisions have been made to the Membership Agreement – the revised version is available in the election area of the website. Comments on the revised Agreement are welcome between now and the Annual Meeting.

The changes are designed to link the Agreement more closely with the by-laws, which are now explicitly referred to. For instance, the by-laws allow 40% of members to call for a special meeting to discuss a specific topic, such as discussing or overturning a particular board decision. Some of the other key 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. 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.

The agenda for the Annual Meeting also includes reports from Nature and ACM as well as talks by Fred Friend, UCL Library, Les Grivell, E-Biosci and Les Carr, University of Southampton.

Localized Linking Prototype

The Localized Linking prototype that CrossRef has been participating in with the Digital Library Federation (DLF), Ex Libris, CNRI, LANL, Ohio State and University of Illinois is nearing completion. A paper about the prototype is being prepared for the September issue of D-Lib magazine. There is a brief description at - <http://www.crossref.org/ldl.html>.

The libraries participating in the prototype are very interested in moving from a prototype to a real production system. Before this happens business terms and policy issues need to be

worked out. Some of the main issues are summarized below (the text is from a draft of the D-Lib article).

Publisher “opt-out”. In the earliest linking meetings there was discussion of a “publisher opt-out”, i.e. DOIs for a particular publisher would not be redirected to a local server. Some publishers may want their identifiers to resolve to the URL they registered and not be diverted. When publishers joined CrossRef, they did so expecting to control the resolution point for a DOI. By joining CrossRef, a publisher has not necessarily given permission for that DOI to be redirected or the metadata deposited for that article to be used for localization. Therefore, the prototype considered the question of a publisher opt-out. The opt-out was not implemented in the prototype, but this will be implemented in the future either at the DOI Proxy or within the SFX server at the library.

Terms and Conditions for Use of Metadata. Publishers who deposit metadata in the CrossRef system are naturally concerned about who uses that data, and for what purposes. The terms and conditions for the delivery and use of metadata for localization still need to be finalized. Publishers also have a legitimate interest in how links to content they publish are presented to users. Some key points are summarized below:

- Metadata retrieval will be offered to CrossRef Library Affiliates
- CrossRef and vendors of linking services (e.g. Ex Libris/SFX) need to discuss and sign agreements
- CrossRef Library Affiliates will need to sign agreements that:
 - A link to the publisher’s site will always be presented on intermediate screens – even when a user doesn’t have a subscription to full text, because abstracts and document delivery options may be available from the publisher
 - Libraries will only provide links to legal document delivery suppliers
 - Link options presented to users will not violate the terms of license agreements the institution has signed with publishers.
- Libraries should get user feedback to determine if intermediate screens are useful to users when full text is available.

Content Licensing. Practically all publishers offering electronic access today require subscribing institutions to sign license agreements governing the terms of access and use. Implementation of localization options may require modification of some of the terms of such license agreements.

CrossSearch

There will be a discussion of CrossSearch at the Annual Meeting. The idea is that CrossSearch would be an enabling infrastructure that publishers could take advantage of to add value to their sites. CrossSearch would enable searching of all CrossRef member publishers’ sites/content that chose to participate in the service. CrossSearch would not be a service marketed directly to end-users by CrossRef – publishers would offer it from their own sites. Search services like Google are starting to index scientific content and there are many excellent secondary services. The approach of CrossSearch would be somewhat different by offering a very basic, broad, cross-discipline search and would ensure discovery

of and access to the “canonical” version of a given journal paper – one that has been peer-reviewed, edited, and officially published. As long as canonical versions of publications exist, scholars will want to identify, access, and cite them. This is an opportunity for publishers to add value and provide an alternative for the inroads of other searching initiatives, such as the governmental PubMed Central and PubScience. The purpose of CrossSearch would be to create a system for researchers to find publishers’ information while giving publishers greater control over access to and sales of their journal content.

Some basic principles for 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
- Access to content will be controlled by publishers

Just as the CrossRef model is for distributed aggregation, i.e. abstracts and full text remaining at publishers’ sites, CrossSearch would look at distributed searching options or web crawlers to create indexes. We are at the early stages of thinking about CrossSearch and member input would be appreciated.

Website

Reminder for the members’ area of website:

username: cr_member
password: ref-linking

Items of note on the website:

Go Live Table (http://www.crossref.org/members_only/golive.html) – this is a table that list all members, DOI Prefixes, the date that metadata was last deposited and indicates whether data deposits have started, a response page is ready and if reference links are being created. **For those fields that are blank we request that members email Lisa Hart (lhart@crossref.org) with the expected date that deposits and/or reference links will begin.** The “Date of Last Deposit” is updated weekly.

CrossRef Marketing/Articles

We have embarked on an aggressive six-month marketing campaign, targeted at publisher and affiliate recruitment, at library participation and input to future developments, and at trademark licensing deals with companies building interfaces to CrossRef system. We have finalized copy and design for our new marketing materials, which will be available in early September. New print and electronic ads will also be available at that time.

A short article on CrossRef by Amy Brand will appear in the October issue of International Network for the Availability of Scientific Publications (INASP) Newsletter.

CrossRef signs (much smaller than those done last year) are being created for members to place on their stands at meetings. More information will be available at the Annual Meeting.

CrossRef System

System Rewrite – some time ago we announced that Parity Computing had been chosen as the vendor for the System Rewrite. We were unable to agree on terms with Parity and are close to signing an agreement with another vendor who will start work immediately on the system. More information will be available at the Annual Meeting. Parity has excellent technical skills and was highly recommended by a number of publishers; however, in this instance we were not able to agree suitable terms.

New Content Types – CrossRef has contracted with Inera for the development of XML schemas for books and conference proceedings. The DTD group met in New York on July 23rd to discuss a draft model. Participating publishers included IEEE, ACM, Wiley, Springer, Nature, as well as non-member McGraw Hill. Revisions are underway and expected to be complete by the end of September. We will start testing conference proceeding data from the ACM in the interim, and will actively solicit deposit of new content types by the end of the year.

DOI-SDI - Significant work has been done on the **DOI-Service Definition Interface (DOI-SDI)** - this is the application layer on top of the basic DOI system to provide an infrastructure model of how to build services, which is related to the issue of data typing, multiple resolution, parameter passing, etc. Implementation of the SDI framework will take place over the next 6-8 weeks and they goal is to have this completed for a demonstration at the Frankfurt Book Fair. CrossRef will be doing a demo of multiple resolution for journal articles as part of the general DOI presentation.

Data Validation – a new data validation procedure using XML Schemas has been implemented. Information and documentation on the new system will be sent to members next week.

Reference Resolver – portions of the Reference Resolver have been rewritten and we have seen an increase in member matching rates when querying the system for DOIs. We have noticed that some members have extremely low matching rates, while other are much higher (3% vs. 18%). We are investigating and will contact members to suggest ways to improve their matching rate.

Status Page – We are working on a Status Page that will show the number of total deposits and the number of deposits in the last month per member. The Status Page will also show the matching rate for each member. This page will be available in a few weeks.

System Stats (as of August 7, 2001)

4905 (3877 in June) total journals in database

3,339,834 (3,209,872 in June) records in database

Members: 77 (71 in June)

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

It is also important for members to start adding links to their references. 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

There has been a 265% increase this month in DOI resolution requests (all prefixes beginning '10.') through the proxy server (minus 10.1000, the DOI web site). This represents actual users clicking on DOI links in journal references. We are looking at the numbers closely to see what has caused such a large jump. A number of new publishers have started to add reference links to their journals and secondary publishers are also starting to add DOI links using CrossRef.

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%)

International DOI Foundation (IDF) Update

The IDF had a very good member meeting on July 11th in Bristol, UK. The value and importance of the DOI and IDF were reaffirmed and a review the past year highlighted the positive press that the IDF and DOI have received. However, the IDF is confronting some difficult issues as a result of a lack of new members and some attrition from current members. The general downturn in the technology sector has had an impact and the IDF has started to downsize its efforts to keep expenses inline with revenue. The plan is to focus efforts on the text-publishing sector to retain existing members and get new members. Technical activities will be consolidated and will focus on implementation of infrastructure to enable multiple resolution. CrossRef, along with Content Directions and Enpia, the two other RAs, will work with CNRI on these infrastructure developments and will work together with the IDF on marketing and other activities. There will be a session on the DOI at Frankfurt and CrossRef will be participating in this with the other RAs.

The long-term plan is for the IDF to be supported by Registration Agencies (RAs) rather than from membership. However, this transition will take a number of years to occur and until then it is vitally important that all CrossRef members support the IDF and that CrossRef and the IDF work together to promote adoption of the DOI.

Registration Agency Working Group (RAWG)

The RAWG met on July 10th and discussed a wide range of issues. Exclusivity for RAs was discussed but rejected. Escrow and successors and assigns were two big areas of discussion.

If any of the organizations involved - RAs, the IDF or CNRI – cease operations, then contingency plans need to be in place and rights in the Handle System and other software need to be assured. If an RA fails, there need to be plans and procedures in place to appoint a new RA and transfer data and operations. Of course, RAs need rights to the Handle System software and DOI System if either the IDF or CNRI fail. CrossRef will be taking the lead to draw up language for this.

A financial model to project future IDF activities was created. The variables are the number of members, number of RAs and numbers of DOIs. The current model is a one time fee \$0.02 per DOI with a minimum of \$20,000 per year payable. One model is to also have a fee per organization (similar to the \$1000 per prefix charge). CrossRef is putting forward the idea of a small annual maintenance charge per DOI.

OpenURL

The OpenURL standards committee has started work. Some basic information is available at <http://library.caltech.edu/openurl/> and there is a listserv for the OpenURL. More information on the OpenURL is at <http://www.sfxit.com/openurl/openurl.html>. OpenURL is a key component of Localized Linking.

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.

The latest ONIX release states:

ONIX aims to achieve the following objectives:

- To cover books and, progressively, other media.
- To meet the practical information needs of all sectors of the industry, including in particular, but not limited to, publishers and online vendors.
- To provide structures that can reflect the realities of national and international rights, distribution, pricing and availability.
- To be usable in a multilingual marketplace.
- Very importantly, to incorporate the core content which has been specified in national initiatives such as BIC Basic and AAP's ONIX project.
- Finally, to build where possible on what EDItEUR's EPICS and the <indec> Project had already done to establish sound models for metadata in a future electronic environment.

ONIX for Serials is now underway and CrossRef is participating. This activity is very important so CrossRef has joined EDItEUR. The first output from this project should be at the end of this year. Libraries are very interested in ONIX for Serials since it could improve the flow of metadata between publishers and libraries.