



CrossRef Member Update

Ed Pentz, Executive Director

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Members, Affiliates and Agents

Members: 99 - <http://www.crossref.org/members.htm>

Affiliates: Cambridge Scientific Abstracts (CSA), Dialog, **divine, Inc.**, EBSCO Publishing, **The European Molecular Biology Organization (EMBO)**, Ex Libris, Fiz-Karlsruhe, **HighWire**, 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, **Teldan**

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

Library Affiliates: Bayer AG, Boston College Library, CILEA, Indiana University-Purdue University Indianapolis Libraries, KAIST (Korean Advanced Institute of Science and Technology), Lund University Libraries, Max Planck Institute Library, Macalester College Dewitt Wallace Library, Millersville University Gansler Library, Ohiolink, State Technical Library, Swinburne University of Technology Library, Toshiba Corporate Library, University of Chicago Libraries, University of Nevada - Reno Libraries, University of Rochester – Rush Rhees Libraries, Washington State University Libraries

Financial Update

CrossRef finished its second year in relatively good shape. Revenue was lower than expected but expenses were lower too. The operating loss was larger than expected but the initial plan was for CrossRef to have an operating loss for the first 2-3 years. When the 2001 budget was created at the end of 2000, CrossRef had only just gone live and there was very little data to base projections on. The implementation of deposits and retrievals by members has taken longer than expected but the largest shortfall in revenue came from the lack of affiliate retrievals. Many secondary publishers are getting DOIs directly from publishers and don't need to retrieve them from CrossRef. It's good if DOIs are getting used, but take up of DOIs by many has been slow. Publishers could recommend in their linking agreements with third parties that DOIs be used for linking back to the full text.

The 2002 budget has CrossRef achieving a small operating profit based on a large increase in revenue. However, as implementation by members and affiliates continues and with the new system scheduled for go live in May, usage will increase significantly in 2002.

2001 Budget:

Revenue - \$1.8 million

Expenses - \$2.1 million

~-\$250,000 net assets (operating deficit)

2001 Year-End (full 2001 figures will be released after the audit in April):

Revenue: \$1.2 million

Expenses: \$1.6 million

-\$429,465 net assets (operating deficit)

2002 Budget:

Revenue: \$2.124 million

Expenses: \$2.087 million

\$36,000 net assets

Looking at detailed cash flow and balance sheet projections through 2006 for CrossRef, there was a projected shortfall in cash by the end of 2004 when the start up loans and interest begin to be repaid. At the most recent board meeting a complete analysis of the projections was reviewed and a number of recommendations were approved.

- **Fee Increases:** there will be a small increase in fees in July 2002

As of July 1, 2002 the fees will be as follows (fees not listed here remain unchanged):

Deposits

Current year content (items published in 2002)	\$	0.65
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Back file content (items published 2001 and before)	\$	0.11
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Retrievals (members and affiliates)

Fee	\$	0.11
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Local Host Fees

Per Record Delivered	\$	0.08
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- **Voluntary fee prepayment:** each publisher can prepay its estimated fees for the next year and charge the prepayment into a “prepaid account” and recognize the expense ratably throughout the year. PILA will issue quarterly statements and do a year-end reconciliation against actual usage. Pre-payment is a voluntary option for all members. We will be contact members to see if they are interested in pre-payment but please contact Lisa Hart (lhart@crossref.org) if you are interested in prepayment of fees.

- **Monthly billing:** Those publishers not prepaying their fees will be billed monthly starting in April 2002 (amounts under \$100 will not be billed but will be carried over to the next billing period).
- **Cash policy:** CrossRef will have a policy to keep a minimum of cash at the end of each fiscal year equal to next year's 2 months (average) of operating expenses plus next year's investment in capital
- **Operating margin:** CrossRef will budget each year to insure that a 20% (minimum) operating margin is achieved

Special Member Meeting, December 4th, 2001

- A summary of the meeting is now posted to the website along with the presentations - http://www.crossref.org/members_only/meetinginfo.htm.
- *Membership Agreement.* All new members are signing the revised Membership Agreement (available on the website). Current members will be sent the new agreement in February and will have the option to sign the new agreement or stay with their current agreement.

Localized Linking Prototype

CrossRef has signed an agreement with Ex Libris for SFX to work with CrossRef and provide Localized Linking for libraries so this is moving out of the prototype stage. Ex Libris made an announcement at ALA Mid-winter. The agreement is non-exclusive and CrossRef will be signing the same type of agreement with other providers of localized linking services. Libraries will also be developing their own systems internally. An agreement with libraries covering reverse metadata lookup will be ready this week.

A good example of what libraries are looking at is OhioLink. OhioLink is developing the OhioLink Localized Linking Services. This incorporates OpenURL, DOIs, CrossRef and other services to enable many different types of links. Information can be found in the following links:

- General service proposal - <http://sienna.ohiolink.edu/linking/>
- General service PPT presentation - <http://maroon.ohiolink.edu/~tdowling/linking/>
- How OhioLINK libraries participate - <http://olinks.ohiolink.edu/documentation/olinks-contrib.html>
- How publishers, aggregators, and database vendors participate – <http://olinks.ohiolink.edu/documentation/olinks-implement.html>

The Grainger library at the University of Illinois is also working on linking services. <http://g118.grainger.uiuc.edu/tgtest/nopx.asp>

- Search for 'AlGaas heterojunction' as a title words
- Select the results from Current Contents and click on 'article full-text' for numbers 9 and 10 to go to IEEE. Result 8 goes to ScienceDirect. Other items link to local full

text copies of the articles available only to Illinois users. The Illinois server is looking up the DOI for full text on the fly.

This system searches a number of A & I Services simultaneously and adds a link for users to the overarching e-journal Web page and also to the full-text article. The individual article link uses a constructed OpenURL to query the CrossRef metadata database to retrieve the DOI for a client redirect. So, local users have a one-stop-shopping approach to retrieving and linking to the full-text of a specific article.

Localized Linking Opt-out

The licenses with localized linking vendors allow publishers to “opt-out”, which means that their links would always resolve to the URL registered in the central DOI directory and not be redirected to a local library server. Any publishers who would like to discuss the localized linking opt out should contact the CrossRef Executive Director.

CrossSearch

The board of directors discussed CrossSearch at its most recent meeting. CrossSearch is consistent with CrossRef’s mission of improving access to scholarly content. However, there are concerns about diverting CrossRef’s resources and attention from its core mission of reference linking. Therefore, CrossRef will hire an external consultant to conduct a review of the project (potential business models, funding, costs and vendors) with a report to be given to the board in April 2002.

CrossRef Marketing

During ALA Mid-Winter, The Charleston Advisor, which publishes reviews of electronic resources <http://www.charlestonco.com/> hosted a program to explore developments in linking between electronic journals. There were over 110 attendees. Amy Brand spoke about CrossRef. Also on the program were Jim Mouw, Head of Serials, University of Chicago and Jenny Walker, Director Sales & Marketing, ExLibris.

AAAS – the AAAS Annual meeting is in Boston from February 14-19, 2002 (<http://xserver.aaas.org/meetings/>). CrossRef will have a stand at the meeting to promote CrossRef to scientists and scholars.

Marketing materials and journal ads. This is a reminder to take advantage of the new space ads and website banner ads now available at http://www.crossref.org/members_only/branding.htm. By putting these ads in your journals, you will help us educate end-users about how CrossRef linking facilitates on the online research process. 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. Quark files for the same ads for available upon request (abrand@crossref.org), in case you would like to customize the ad copy. Website banner ads (small and large) are also available.

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
Status Report - http://www.crossref.org/members_only/status.html

CrossRef System

New Content Types - The new XML schema and documentation for journals, books, and conference proceedings (version 2.0.3) has been completed. The current format can be used until the end of 2002. The schema and documentation have been circulated to the Technical Working Group and will be sent to all members this week for review. We are looking for sample data for conference proceedings and books. Please contact Amy Brand (abrand@crossref.org) if you can supply sample data.

System Rewrite – The project is on track for an April completion. In mid-February the data upload portion of the system will be delivered. Atypon has all the current CrossRef data and has finalized the new database schema for the new system (and installed it on the CrossRef test server). Scheduled completion is April 2002 with the system going live in May 2002. Further information about implementation and implementation workshops will be announced in March.

Journal Inventory Project – we have just embarked on a major project to obtain and maintain authenticated journal title data for content in CrossRef. The goal is to create an inventory tool that will assist potential and existing members in determining what content is available for linking within CrossRef; end-users in navigating electronic journal literature; and CrossRef in projecting DOI deposits and retrievals forward, and recruiting new journal content into the network. It will also help us encourage member compliance by integrating the authentication of title data and inventory data into the ongoing workflow at CrossRef. Each publisher will be contacted in the near future by consultant October Ivins about publisher input needed for this project.

Parameter Passing – the parameter group has agreed a common set of CrossRef parameters. One final item is deciding on syntax. Based on developments with OpenURL, it seems useful to use OpenURL for the CrossRef parameter syntax. The OpenURL committee met last week and we should have a draft 1.0 spec shortly to work with. Once we have the draft OpenURL spec we can move quickly to implement parameter passing. Further information about the OpenURL standard can be found at http://www.niso.org/committees/committee_ax.html and <http://library.caltech.edu/openurl/>

Multiple Resolution – CrossRef has built support into the latest schema for Multiple Resolution. However, Multiple Resolution will not be implemented until later. Our hope is to start prototype work mid-year. The IDF Technical Working Group will be meeting to move this forward.

DOI Transfers – a draft document covering DOI transfers was sent to the TWG and some revisions are being made. Basic procedures have been put in place to deal with the transfer of journals from one publisher to another. Control over DOIs is transferred between publishers and the acquiring publishers updates the URLs registered with the DOIs.

DOI Error messages – there is a new DOI error page when DOIs can't be found in the DOI system. Try <http://dx.doi.org/10.1006/wrong> to see the page. Users get this error page when they click on a DOI that is incorrect or has not been registered. These messages are sent to CNRI and any message regarding CrossRef DOIs are forwarded to CrossRef. We have found what appear to be cases of DOIs that have been assigned by publishers and distributed to third parties (secondary databases) but have not been deposited with CrossRef. **It is critical that DOIs are deposited with CrossRef as soon as, or even before, an article is published online.**

System Stats (as of January 28, 2001)

5683 (5323 in December) total journals in database
4,028,747 (3,725,038 in December) records in database
Members: 99 (88 in December)

Depositor Reports - <http://mddb1.crossref.org/crossref/reports/>. (cr_member /ref-linking to login).

Reference Linking

40 of 99 members are creating reference links. Those publishers creating reference links are (if you aren't on the list but are creating links, let me know):

AAAS (Science)
ACOUSTICAL SOCIETY OF AMERICA (ASA)
AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE (AAPM)
AMERICAN ASSOCIATION OF PHYSICS TEACHERS (AAPT)
AMERICAN COLLEGE OF MEDICAL PHYSICS (ACMP)
AMERICAN INSTITUTE OF PHYSICS (AIP)
AMERICAN PHYSICAL SOCIETY (APS)
AMERICAN SOCIETY FOR BIOCHEMISTRY & MOLECULAR BIOLOGY (ASBMB)
AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
AMERICAN SOCIETY OF PLANT BIOLOGISTS
AMERICAN VACUUM SOCIETY (AVS)
ANNUAL REVIEWS
ASME INTERNATIONAL
ASSOCIATION OF LEARNED AND PROFESSIONAL SOCIETY PUBLISHERS(ALPSP)
BIOMEDICAL ENGINEERING SOCIETY (BMES)
BLACKWELL PUBLISHERS
COLD SPRING HARBOR LABORATORY PRESS (CSHL)

ELECTROCHEMICAL SOCIETY
ELSEVIER SCIENCE
GEOLOGICAL SOCIETY OF AMERICA (GSA)
INSTITUTE OF PHYSICS (IOP)
INSTITUTION OF ELECTRICAL ENGINEERS (IEE)
INTERNATIONAL CENTRE FOR DIFFRACTION DATA (ICDD)
INTERNATIONAL UNION OF CRYSTALLOGRAPHY (IUCr)
MAIK-NAUKA INTERPERIODICA
MARY ANN LIEBERT
NATURE PUBLISHING GROUP
PION
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES (PNAS)
ROCKEFELLER UNIVERSITY PRESS
THE ROYAL SOCIETY
SOCIETY OF EXPLORATION GEOPHYSICISTS (SEG)
SOCIETY OF RHEOLOGY (SOR)
SPIE-INTERNATIONAL SOCIETY OF OPTICAL ENGINEERING
SPRINGER VERLAG
TAYLOR & FRANCIS GROUP
THIEME PUBLISHING GROUP
TURPION
UNIVERSITY OF CHICAGO PRESS
JOHN WILEY & SONS

DOI Resolutions

May 2000 -	87,509
June 2000 -	128,984
July 2000 -	187,738
August 2000 -	209,684
September 2000 -	226,060
October 2000 -	294,316
November 2000 -	304,071
December 2000 -	250,666
January 2001 -	336,290
February 2001 -	356,772
March 2001 -	388,581
April 2001 -	383,546
May 2001 -	430,701
June 2001 -	364,977
July 2001 -	968,576

August 2001 -	818,510
September 2001-	8,420,977
October 2001 -	801,562
November 2001 -	765,188
December 2001 -	628,844

International DOI Foundation (IDF) Update

The IDF is hosting two sessions of a meeting called “Digital Object Identifiers, A Catalyst for Your Business” (http://www.doi.org/news/exten_program_02.html). The meetings will be January 31, 2002 in New York and February 7, 2002 in Washington, D.C. We would like to thank Craig Van Dyck at Wiley for speaking for CrossRef in New York and Mike Spinella for speaking in Washington, D.C.

From the IDF’s Director’s Report:

A new “FAQ”, 2.13 “What is the relationship between the DOI System and the Handle System?” has been placed on the DOI web site - <http://www.doi.org/faq.html#2.13>. This was developed in part in response to ongoing discussions with NTIS.

To optimize performance and reduce batch-processing time, DOI storage on the DOI Primary Site was switched from a custom, lightweight database to the Berkeley DB. The custom database is optimized for small to medium-sized Handle servers, and was outgrown by the DOI Primary Site as the number of DOIs increased. The Berkeley DB is a commercial b-tree database with better performance for the large number of records in the DOI system.

E-Journal Archiving

Full information on the Mellon-funded e-journal archiving projects can be found at <http://www.diglib.org/preserve/ejp.htm>. From the Harvard project there are papers now available on the idea of the archival DTD, and on the proposed structure for an archive deposit package at:

<http://www.diglib.org/preserve/hadtdfs.pdf>
<http://www.diglib.org/preserve/harvardsip10.pdf>

There are many issues surrounding e-journal archiving so CrossRef is considering co-sponsoring a workshop with the Digital Library Federation (DLF) on e-journal archiving.

EDItEUR and ONIX

CrossRef is providing input to EDItEUR (<http://www.editeur.org/>) on ONIX. An initial release of ONIX for Serials should be available in April - <http://www.editeur.org/onixserials.html>

CrossRef’s goal is to have a mapping from ONIX to CrossRef and accept deposits in ONIX format by the end of 2002.

Upcoming Meetings

- **PSP 2002 Annual Conference: Eng@ging our Customers -** http://www.pspcentral.org/events/annual_meeting_2002.html, February 11-13, 2002, Washington, DC
- **2002 NFAIS Annual Conference**, February 24-27, 2002 in Philadelphia - <http://www.nfaiss.org/AnnualConferenceHome.asp>. Featured speakers include such opinion makers as Ronald Schlosser, Thomson Scientific and Healthcare; Theodore Kassinger, US Department of Commerce; Mark Walter, Seybold Publications; David Curle, Outsell, Inc.; MaryDee Ojala, Information Today; Michael Frame, NBII; Robert Rubin, FAST Technology; Georg Schultheiss, FIZ-Karlsruhe; Robert Massie, Chemical Abstracts Service and Clare Hart, Factiva. Ed Pentz is speaking at the pre-conference seminar **“YOUR CONTENT AND MINE: ENHANCING CUSTOMER ACCESS (February 24th, 2002, 1:00 pm - 5:00 pm)**

If you have further questions or need additional assistance in registering, please don't hesitate to contact: Jill O'Neill, Director, Planning & Communication, NFAIS, voice: 215-893-1561, fax: 215-893-1564 jilloneill@nfaiss.org