

CrossRef Member Update

Ed Pentz, Executive Director
December 16, 2002

Members, Affiliates and Agents

Members: 173 (<http://www.crossref.org/01company/06publishers.html>)

Affiliates: 23 (<http://www.crossref.org/01company/08intermediaries.html>)

Agents: 8 (<http://www.crossref.org/01company/08intermediaries.html>)

Library Affiliates: 69 (<http://www.crossref.org/01company/07libraries.html>)

Statistics

Journals: 6917 (6855 in November)

Total Records in System: 6,236,766 (5,845,034 in November)

Year-End Update

CrossRef is having a good 4th quarter and will finish the year with over 6.2 million journal articles and conference proceedings deposited. In November there were over 2 million DOI resolutions.

The CrossRef income statement for the year through the 3rd quarter was very good. While revenue was less than budgeted, expenses were lower and CrossRef had a positive net income of \$60,000. 2002 figures are a significant improvement over 2001 with revenue increasing almost 50% and expenses decreasing. Expenses in the 4th quarter 2002 have been high so year-end financial projections show CrossRef breaking even with revenue and expenses of about \$1.78 million – full 2002 year-end figures and 2003 budget information will be provided in next month's Update.

Income Statement for 3rd Quarter 2002:	Actuals	Budget	2001
Revenues	1,231	1,586	828
Expenses	1,063	1,465	1,140
Operating Income	168	121	(312)
New Initiatives	40	-	-
Oper. Inc. Incl. New Initiatives	128	121	(312)
Interest Income (Expense)	(68)	(93)	(72)
Net Income	60	28	(384)

2003 Issues

There are a number of areas that will be key priorities for CrossRef in 2003. With 2 years of full operation behind us we need to take a look at the CrossRef fee structure and see what's working and what isn't.

Membership Fees - One issue is that the annual membership fees account for less than 5% of CrossRef revenue. This means that 95% of CrossRef revenue comes from transaction fees (deposits and retrievals) – this can be very risky because if system activity doesn't occur or is lower than projected, there is an adverse affect on CrossRef finances. Therefore, CrossRef will be considering changing the fee structure so that more revenue comes from the annual membership fees.

Retrieval Fee - Another important area to look at is the DOI retrieval fee. Publishers benefit from having their DOIs disseminated as widely as possible since DOIs provide an easy and efficient way to link to full text articles. Charging a DOI retrieval or lookup fee is a barrier to the use of DOIs. One option is to eliminate the retrieval fee or make single DOI queries free and charge a flat annual fee for premium services. Premium services would be things such as real-time linking, limited local hosting (based on journal or publisher) and automated batch querying. This would mean that deposit fees would have to increase significantly. However, members would not be paying more, the revenue would just be coming primarily from deposit fees rather than retrieval fees. This would also make it easier for publishers to budget for CrossRef expenditure, since estimating deposits is much easier than estimating retrievals.

There is a Membership/Fees Committee of the board that discusses and makes recommendations on CrossRef fees and this group will be looking at all the fees in early 2003 to make recommendations for changes. If any members are interested in participating in the Membership/Fees Committee please email me (epentz@crossref.org). The board will be discussing the membership of the Committee at the next board meeting.

Linking Fee - Another major issue is how to get all current CrossRef members linking their references. The board will be discussing a “non-linking surcharge” at the next board meeting. If a member were not linking a majority of references from current content within one year of joining, a fee would be charged. The fee would be based on estimates of what a member's retrieval rate would be.

Member Support – the new system gives CrossRef a great starting point for building new features and services and since it is very stable it frees up CrossRef resources to provide more member support and help. A very important goal for CrossRef in 2003 is to provide more proactive member technical support.

New functionality/System upgrades – CrossRef is planning on regular schedule of updates and new functionality throughout 2003 to make the CrossRef system better and easier to use. The TWG is reviewing the list of 2003 functionality and system changes.

DOI Resolutions

DOI Resolutions are DOI clicks – when a user clicks a DOI link the central DOI proxy server (<http://dx.doi.org/>) records it (but no other information). This gives a good indication of the actual use of DOIs. Since November 2001, resolutions have increase more than three-fold.

November 2001 -	765,188
December 2001 -	628,844
January 2002 –	488,639
February 2002 –	953,280
March 2002 -	1,007,923
April 2002 -	1,262,454
May 2002 -	1,448,041
June 2002 -	2,260,487
July 2002-	1,737,167
August 2002 –	1,467,414
September 2002 -	1,881,459
October 2002 -	2,561,699
November 2002 -	2,479,369

Annual Meeting 2003

The Annual Meeting will be September 16th, 2003 at IEE, Savoy Place, London.

Update on CrossRef Search

End-user testing of the CrossRef Search Prototype will begin in January at select library and publisher sites. But we still want more feedback from our members *and affiliates*. Please let us know what you think of CrossRef Search by responding to the questionnaires that were sent to members in October, or by using the feedback form at the prototype site:

Prototype: <http://crf001.sac2.fastsearch.net:16000/cgi-bin/py/crossref.py>

Login: crossRef

Password: fastsearch

Thanks to those of you who have already replied!

In addition, **Vivisimo**, a company that specializes in document clustering, has created a demo for CrossRef that applies subject clustering to the output of CrossRef Search queries. Please give this demo a try at <http://vivisimo.com/demos/Crossref.html> and let us know that you think by emailing abrand@crossref.org.

Business Development Update

The steady growth in CrossRef membership continues, at the rate of about three-five new publishers per month. We now have 173 publishers on board, compared to 168 last month, and 93 this time last year. Our new members this month are: the **American Association of Petroleum Geologists**, the **Michigan Mathematics Journal**, the **Royal College of Surgeons of England**, the **American Society for Clinical Pathology**, and **Thomas Land Publishers, Inc.**

In affiliate news, **Dialog UK**, a Thomson company and a long-standing CrossRef affiliate, has recently agreed to beta test real-time querying for DOIs on a large-scale basis. If it's technically feasible, we plan to offer this service option to all interested members and affiliates in the coming year.

CrossRef shared a stand with Atypon Systems at International Online in London earlier this month. Chuck Koscher ran a very well attended CrossRef implementation workshop during the show, and Amy Brand presented an update on CrossRef and an overview of the CrossRef Search Prototype at the STM Innovations meeting.

Start registering your books with CrossRef

CrossRef is now accepting deposits of book DOIs at both the title and chapter level. A conference call for interested publishers was held last week to discuss registering DOIs for books. Please note that there is no additional membership fee for depositing books, and that you can also register DOIs for books that have not yet been digitized but that are available for purchase on line, or for which linking is not currently feasible. If you have any technical questions, please email ckoscher@crossref.org.

Linking

It is an obligation of CrossRef membership to link references. There are now 88 members currently linking (about 50% of members). An important goal for CrossRef in 2003 is to get all members linking references as soon as possible.

Acoustical Society of America (ASA)
American Association for the Advancement of Science (AAAS)
American Association of Physicists in Medicine (AAPM)
American Association of Physics Teachers (AAPT)
American College of Medical Physics (ACMP)
American Economic Association
American Heart Association
American Institute of Physics (AIP)
American Mathematical Society (AMS)
American Physical Society (APS)
American Psychiatric Publishing
American Psychological Association (APA)
American Scientific Publishers
American Society for Biochemistry and Molecular Biology (ASBMB)
American Society for Cell Biology
American Society for Clinical Investigation
American Society for Microbiology
American Society of Civil Engineers (ASCE)
American Society of Hematology
American Society of Plant Biologists (ASPB)
American Statistical Association
American Thoracic Society
American Vacuum Society (AVS)
Annual Reviews

Arnold Publishers
ASME International
Association for Computing Machinery (ACM)
ALPSP (Association of Learned and Professional Society Publishers)
Biological Procedures Online
BioMed Central Ltd.
Biomedical Engineering Society (BMES)
Blackwell Publishing
Brill Academic Publishers
British Editorial Society of Bone & Joint Surgery
CABI Publishing
Cambridge University Press (CUP)
Cold Spring Harbor Laboratory Press (CHSLP)
The Company of Biologists Ltd
Electrochemical Society
Elsevier Science
Emerald (incl Barmarick Publications)
The Endocrine Society
European Respiratory Society
Federation of American Societies for Experimental Biology (FASEB)
Geological Society of America
Hanley & Belfus, Inc.
Hindawi Publishing Corp.
Institute of Organic Chemistry and Biochemistry (CCCC)
Institute of Physics (IOP)
Institution of Chemical Engineers
Institution of Electrical Engineers (IEE)
International Centre for Diffraction Data (ICDD)
International Life Sciences Institute
International Union of Crystallography (IUCr)
Journal of Lipid Research
Lawrence Erlbaum Associates, Inc. (incl The Analytic Press)
LibraPharm
Maik/Nauka Interperiodica
Maney Publishing
(including the Institute of Materials)
Mary Ann Liebert
The Mineralogical Society
The MIT Press
Multi-Science Publishing Co Ltd.
Nature Publishing Group
Oxford University Press (OUP)
Pharmaceutical Press (RPSGB)
Pion, Ltd.
Proceedings of the National Academy of Sciences (PNAS)
Professional Engineering Publishing
The Rockefeller University Press
Royal College of Psychiatrists
The Royal Meteorological Society
The Royal Society
The Royal Society of Chemistry (RSC)

The Royal Society of Medicine
Schweizerbart
Society For In Vitro Biology
Society of Exploration Geophysics (SEG)
Society of Rheology (SOR)
SPIE - International Society for Optical Engineering
Springer-Verlag
Taylor & Francis Group
Thieme Publishing Group
Turpion
The University of Chicago Press
John Wiley & Sons
Wolters-Kluwer International Health & Science
World Scientific

If you are not on this list and should be, let us know!

CrossRef System

XML Schema – Beginning in January 2003, the existing CrossRef DTD will be phased out in favor of the XML schema. There will be a grace period for beginning to use the new schema. All members should convert to making deposits using the new schema no later than the end of April 2003. Information on the schema is available - <http://mddb2.crossref.org/doc/userdoc.html>. Deposits can be submitted using the new schema now – the technical documentation describes how test deposits can be made.

Website Reports – the Go Live report (<http://www.crossref.org/06members/50go-live.html>) and the Status Page (<http://www.crossref.org/06members/53status.html>) are now being updated on a daily basis system.

International DOI Foundation (IDF) Update

From the IDF Director's Report #50:

3. Registration Agencies

3.1 RA franchise fees/ maintenance fees

Proposals for increases in the "per DOI" franchise fees were approved at the November Board Meeting. This will be as follows:

- The "per DOI" registration fee will increase from \$0.02 to \$0.03 for those registered in 2003 and to \$0.04 for those registered in 2004.
- Minimum franchise fee to remain unchanged at \$20K. In addition, the introduction of a "maintenance" fee (per DOI per annum fee) was approved at the November Board Meeting. It was recognised that this is a commonly accepted mechanism, e.g., for DNS domain names; software maintenance fees (15%), and is justified by the workload, for example, in transfer of ownership. The fee will be introduced from 1 July 2003, to allow time for planning, and will be on the following basis:

The fee will be \$0.01 for the first 5 million DOIs previously registered and any over 5 million will be charged at the reduced fee of \$0.005. At the beginning of each year, the number of DOIs previously registered will be calculated to the end of the previous year. The annual maintenance fee will be calculated based on the above levels and will be invoiced in two parts, in January and July of that year along with the relevant franchise fees.

3.2 CDI update

CDI announced the signing of The Gale Group, the largest company within Thomson Learning and the first to implement the DOI under a contract signed at the Thomson Learning level. Press release available (<http://dx.doi.org/10.1220/pr15>), with a live example for the DOI for Gale's "New Catholic Encyclopedia," which was embedded into the press release (<http://dx.doi.org/10.1223/0787640042>).

CDI's DOIs are also beginning to appear visibly to the public for the first time, apart from CDI's own website and demos (e.g. http://doi.contentdirections.com/doi_examples.cgi). For example, here is a McGraw-Hill press release with a DOI embedded, which was subsequently picked up by Business Wire and Yahoo Finance: http://biz.yahoo.com/bw/021118/182138_1.html. Some other early McGraw-Hill examples can be seen at: <http://books.mcgraw-hill.com/pressbox/computing/computing.html>.

3.5 LON update

The largest single contract under the AAP-DoD pilots for Advanced Distributed learning has just closed. It is \$5 million over three years. The full details will be released during the Interservice/Industry Training, Simulation and Education Conference (I/ITSEC) conference on December 2-5 in Orlando, Florida. This brings the total sales of content by publishers through the AAP-DoD pilots to about \$25 million since January. There have been about \$15 million in additional sales that were a direct result of the pilots but were not technical part of a pilot.

The DoD Advanced Distributed Learning initiative Academic Co-lab in Madison, Wisconsin, is now collecting samples of learning objects. In recent months, several government agencies have asked to see examples of SCORM Learning Objects Network objects from publishers in advance of contracts as a means of verifying that the publisher knows how to meet the new standard. The samples at the academic lab will be used, much like books on the shelves of a bookstore, to show the quality and range of content from publishers. The lab has asked that publishers provide in SCORM format the equivalent of a sample chapter from one or more books in their primary content areas. This is sample content that will be used and tested in academic and government circles. All rights should be cleared and all fees waived. Although the objects might be used and tested in various environments, the agreement worked out by AAP with the lab prohibits resale of any of the objects.

For details on how to participate, publishers can either contact John Purcell at John.Purcell@LearningObjectsNetwork.com, or the head of the Academic Co-lab, Judy Brown at judy@academiccolab.org. The lab is starting to receive sample content from publishers now, and would like to have a substantial amount of sample content in January.

The DoD Advanced Distributed Learning initiative will be holding its conference (called a Plugfest) concurrent with I/ITSEC (Interservice/Industry Training, Simulation and Education Conference) to be held December 2-5 in Orlando, Florida, USA. The expectation is that DoD will announce that SCORM will move from "recommended" to "required" for government contracts first quarter of next year. IMS serves a preliminary role in developing what becomes SCORM, and the Repository spec will be voted on soon. The specification has DOI as one of three options. Once passed, it is expected to be included in SCORM. The statement from ADL is as follows: "Plugfest 7 will focus on sharing lessons learned, experiences in SCORM Version 1.2 and early SCORM Version 1.3 demonstrations as well as presentations introducing ADL's latest work with sequencing and application profiles. Like other Plugfests, Plugfest 7 seeks to bring e-learning organizations and experts together to refine the SCORM and other e-learning practices, procedures and

standards. The central focus of Plugfest 7 will be to introduce the latest sequencing and application profile specifications. Plugfest 7 also seeks to inform the e-learning community of the latest work and direction of the ADL Initiative."

3.7 CAL update

CAL met with the National Library of Australia (who have a long standing interest in persistent identification) during the month and is now assessing what projects would be useful to do as a practical implementation of DOI. CAL expects this to be gradual process, which will evolve over the next three months or so. The Wiley pilot continues developing, with work now mainly focused on availability of content in the correct format, definition of metadata requirements and discussions with an Australian University on content requirements. CAL has also made an application for Government funding to promote DOI as a national infrastructure element in the Australian Publishing and Printing industry, which was supported by among others, the National Library of Australia, Australian Publishers Association, Australian Society of Authors, IDF and IPA. CAL are actively lobbying for support for the project. This is a also a gradual process, which could take up to three months.