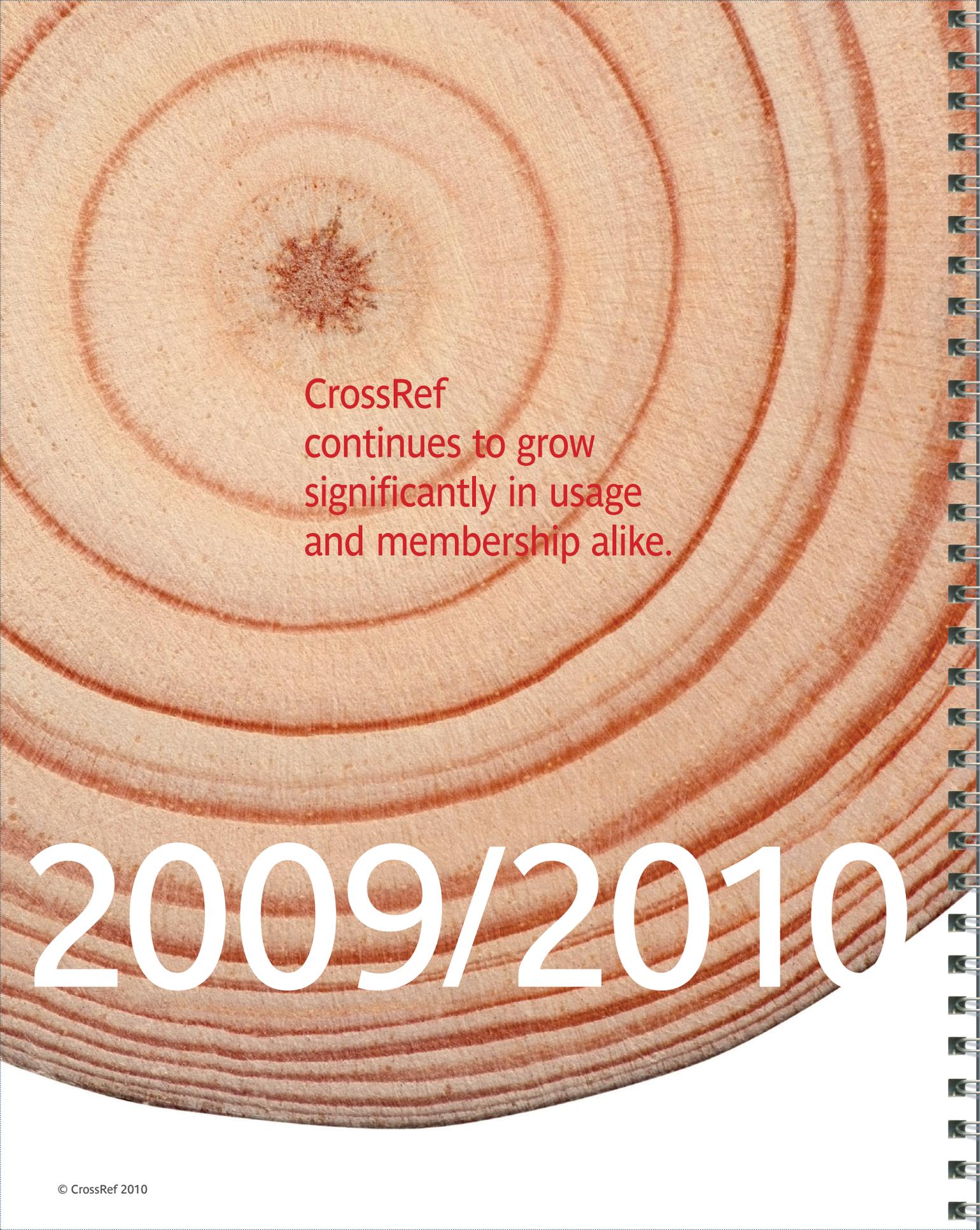


A close-up photograph of a wood cross-section, showing concentric growth rings in shades of light tan and reddish-brown. The wood grain is curved, suggesting a circular or semi-circular piece of wood. The word "growth" is overlaid in a large, white, sans-serif font.

growth

ANNUAL REPORT, 2009-2010





CrossRef
continues to grow
significantly in usage
and membership alike.

2009/2010



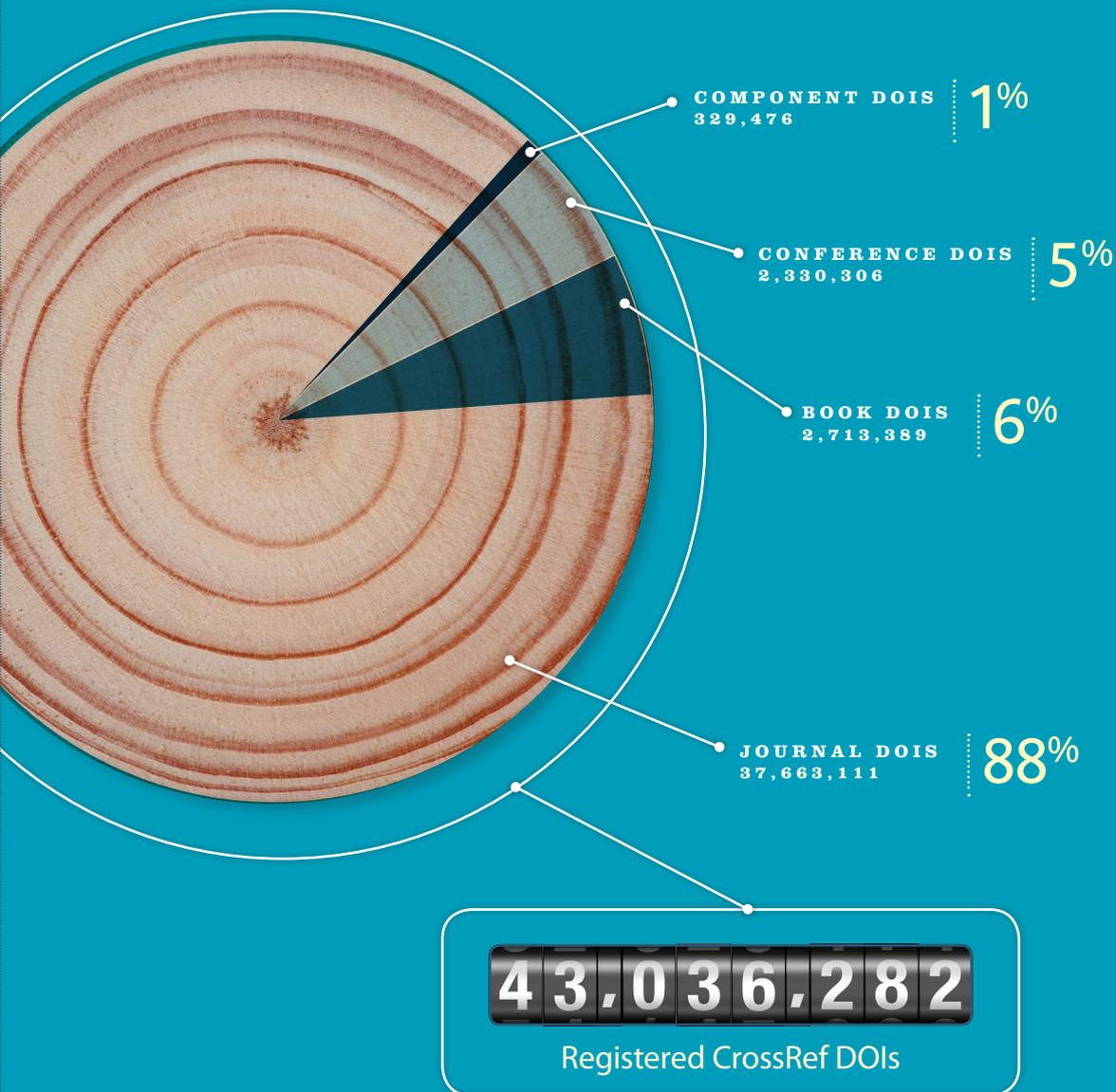
OUR MISSION.

CrossRef is a not-for-profit membership association whose mission is to enable easy identification and use of trustworthy electronic content by promoting the cooperative development and application of a sustainable infrastructure.

contents.

- 3** Letter from the Executive Director
- 5** Letter from the Chairman
- 6** Financial Statement
- 7** Letter from the Treasurer
- 9** Technical Outlook
- 11** Review of the Organization
- 16** CrossRef Affiliates
- 18** Board of Directors
- 19** Measuring CrossRef's Growth

CrossRef Dashboard



Over 43 million items of scholarly content are now registered in the CrossRef system, including journal articles, conference proceedings, books and book chapters, reference entries, technical reports, standards, and data sets, with books the fastest-growing category.



Now in its second decade of operation, the CrossRef service of Publishers International Linking Association (PILA) continues to grow significantly in usage and membership alike. Over 43 million items of scholarly content are now registered in the CrossRef system, including journal articles, conference proceedings, books and book chapters, reference entries, technical reports, standards, and data sets, with books the fastest-growing category. The number of CrossRef DOI resolutions—instances of scholars and researchers clicking on links—reached 208 million for the period from January to May 2010, a 49 percent increase over prior year. We are seeing a consistent influx of new members internationally, with an emphasis on smaller, non-profit publishers. The number of voting members grew from 743 in August 2009 to 943 in August 2010, an increase of 27 percent.

We continue to invest in existing CrossRef services while laying the groundwork for new ones. The new query system is approaching completion, developed through an arrangement with technology partner Atypon Systems that brings CrossRef ownership of the source code, in keeping with the organization's strategy for long-term persistence. Work on the rewrite of the deposit system will follow promptly, so that by early 2011 the entire system will have been replaced. Senior Software Developer Andrew Gilmartin has been brought on to participate in the system's rewrite and to support CrossRef's greater role in its operation going forward. Other recent staff

additions enhance a range of CrossRef operations: R&D Programmer Karl Ward is focusing on strategic initiatives in Oxford, and in Lynnfield, Amy Wright and Dov Frede are respectively Staff Accountant and Technical Support Specialist. It is worth noting that all of CrossRef's investments in both current services and new initiatives are supported by existing resources, a sign of the organization's prudent financial management.

A CrossMark prototype created last year has been successful, and the initiative has been approved by the Board of Directors for launch as a production service in the first half of 2011.

CrossMark will allow publishers not only to label versions of record of their content that they maintain, but also to include information on subsequent corrections and, optionally, to include non-bibliographic metadata about the content that will be useful for the researcher. For example, a reader of a PDF version of an article that is corrected after the PDF is downloaded will be able to click on its CrossMark logo and be notified that there is a correction and provided with a link to the correction notice and an updated version of the content.

Another major CrossRef initiative, Contributor ID, has been folded into the broader Open Researcher and Contributor ID (ORCID) initiative. The Board has adopted a motion expressing CrossRef's support for ORCID, and several CrossRef staff and Board members are involved in ORCID working groups. ORCID will create a registry of unique identifiers for researchers that will benefit all stakeholders in the research community.

To facilitate collaborative development of new tools, CrossRef launched the CrossRef Labs section on its Web site last fall. It provides a convenient way to test a variety of items, such as plug-ins for including CrossRef DOI-enabled links in blog and other social media postings, and it has been very well received. Successful CrossRef Labs experiments can be moved into CrossRef's Strategic Initiatives Lifecycle process for further development as indicated.

CrossRef is a vital source of DOIs and authoritative metadata, and as researchers increasingly use online social tools in their work, various services are participating in the CrossRef

End-User Affiliates program and tapping CrossRef Metadata Services to help them incorporate persistent links in their postings. There is also growing interest in using CrossRef DOIs in text mining and other linked data applications that use the resources of the "semantic Web." CrossRef is working to ensure that its DOIs, which have been used primarily for linking to pages that are read by researchers, will also function optimally for these automated processes.

The strategy to ensure the long-term persistence of CrossRef DOIs and the scholarly citation record has both technical and organizational aspects, and the PILA Membership Agreement has been revised to specify that a publisher leaving the organization has an ongoing responsibility to maintain its metadata and links. In the event of any disruption, CrossRef has a mandate to fulfill that responsibility. We have already established a provision to maintain linking for journals that cease publication, first implemented in the fall of 2009 for three titles that are now available through the CLOCKSS and Portico archives.

CrossRef marked its 10th anniversary in November 2009 with a very successful Annual Meeting and a celebration dinner at Boston's Museum of Science, both offering an excellent perspective on how far the organization has come in its first decade. Scholarly communications are changing very rapidly, and CrossRef brings all of its stakeholders an established platform for collaboration within this new world.



Edward N. Pentz,
Executive Director/Secretary

LETTER FROM THE CHAIRMAN.



The growth of CrossRef is notable not only for the increase in membership, services, and the quantity and types of content represented in the system, but also for the strength and cohesion the organization has attained. Recent staff additions have raised CrossRef's operational capacities across the board, bringing us a new level of sustainability and control of our future direction. The Board of Directors and the staff have developed into a very well knit team, interacting in a stimulating and productive way to formulate strategy and policy.

The establishment of a European office for CrossRef has helped us to promote international growth, and by the time of this report's circulation, the Oxford staff of four will have vacated their current cramped quarters for a more appropriate space.

As the composition of the membership evolves, now with an influx of smaller, not-for-profit publishers, the Board remains committed to ensuring balanced representation of its constituencies, informed by the recommendations of the Nominating Committee.

With the end of my three-year term as Chairman approaching, I would like to say how proud I am to have followed Eric Swanson, Pieter Bolman, and Tony Durniak in the position, and how much I have enjoyed working with the staff and the

Board. Together, we have reached a number of the objectives those pioneers hoped to achieve. It required considerable courage to set out 10 years ago in uncharted waters with uncertain funding, and the foundation they built must never be taken for granted.

Today, CrossRef is very well structured for future growth and success, with a participatory culture that ensures a flow of excellent candidates for leadership through the committees and working groups. It is a time of great change in scholarly communications, at once challenging and exciting. I feel privileged to be in the midst of it through my work with CrossRef, and I look forward to my ongoing involvement as a member of the Board.

A handwritten signature in black ink, appearing to read 'Robert Campbell'.

Robert Campbell,
Chairman of the Board

STATEMENT OF ACTIVITIES

YEARS ENDED DECEMBER 31, 2009 AND 2008

	2009	2008
REVENUE AND OTHER SUPPORT:		
Deposit fees	2,448,469	2,230,002
Member fees	1,613,587	1,381,751
Interest Income	17,697	26,526
Non-linking fees	14,800	44,124
Gain (loss) on foreign exchange	9,832	(112,315)
TOTAL REVENUE AND OTHER SUPPORT	4,104,385	3,570,088
EXPENSES:		
Salaries and benefits	1,733,937	1,662,225
Data center	399,213	375,998
IDF fees	324,525	300,167
Travel and meetings	271,258	192,049
Professional fees	265,591	225,547
Office and other	129,596	152,604
Depreciation and amortization	123,766	130,397
Contractor fees	99,427	55,139
Advertising and marketing	82,762	80,713
New initiatives	77,830	42,261
Rent	60,664	70,702
Insurance	21,430	21,941
Dues and subscriptions	16,775	15,656
TOTAL EXPENSES	3,606,774	3,325,399
Change in unrestricted net assets	497,611	244,689
Unrestricted net assets, beginning of year	2,199,249	1,954,560
Unrestricted net assets, end of year	\$2,696,860	\$2,199,249

LETTER FROM THE TREASURER.



CrossRef completed its 10th year of operation in its strongest financial position ever. Revenue of \$4,104,385 was up 15 percent over prior year, with expenses of \$3,606,774 up eight percent; unrestricted net assets of \$2,696,860 were up 22.6 percent over 2008. These results, achieved in a year in which many organizations suffered revenue loss, highlight the value of CrossRef's offerings across the entire scholarly communications community. While ongoing growth in publisher membership and deposit fees contributed to the revenue increase, the largest portion of it derived from newer CrossRef services, with CrossRef Metadata Services a particularly strong growth area. Affiliate members are tapping CrossRef's metadata to enable rights licensing, library solutions, abstracting and indexing services, bibliographic tools for researchers, and more.

For publishers, CrossCheck is proving to be a valuable service, and we anticipate rapid uptake of CrossMark when it launches in the first half of 2011.

Within the core CrossRef linking service, the query matching rate increased significantly in 2009, reaching 51 percent. The improved performance, reflecting the success of CrossRef's metadata quality initiative, enhances the service's value and in turn contributes to the fiscal health of the organization.

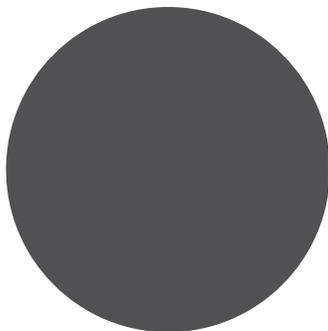
Over the past year, the CrossRef staff has grown from 11 to 15. The increase both demonstrates and reinforces the financial strength of the organization, bringing us the resources and skills to support growth in membership and services alike. Through staff involvement in the system rewrite, to be completed early in 2011, we are gaining comprehensive knowledge of the source code at the same time that our agreement with technology provider Atypon Systems brings us ownership of it. The new system will have the capacity to handle a much greater load while providing a platform for additional revenue-generating services.

Once again, CrossRef's prudent management, informed by the input of the Board of Directors and the Audit Committee, has resulted in a completely smooth audit.

The success of CrossRef derives from the engagement of the membership, the efforts of the staff, and the guidance of the Directors. All the CrossRef committees embody balanced representation of the Board and the membership, and senior CrossRef staff members go beyond their day-to-day responsibilities to participate in key organizations and initiatives across the industry. Working together, we are helping to build a new network of scholarly communication.


Linda Beebe, Treasurer

facilitate
commissioned mandate
efficient membership result key
went leading incorporated access organization DOI
several mission creation research scientific document technologies representatives trustworthy full
Book system reference promote Frankfurt
live text easy holds visitors linking CrossRef's lookup first new
step information collaborative joining
Identifier broad-based Recognizing Publishers scholarly backbone held
association general Object publishers journal technical purpose
effects Fair service linkages development Identifiers DOI-X
June sustainable citation electronic operates based
speed infrastructure participating end Linking world's
Mission October article cooperative beginning
scalable demonstration Association witnessed
tagged Inform PILA Anniversary January
switchboard Digital not-for-profit cited Among identification
digital International promoting history
click functions non-profit together 10th
researcher innovative independent project joined
celebration content rather took
metadata supplied application unusual



TECHNICAL OUTLOOK.

The rewrite of CrossRef's software system is well underway, with the new query system approaching completion and work on the new deposit system scheduled to begin in early fall. The deposit system will make use of the underlying framework developed for the query system, and is anticipated to be the less demanding phase of the project; the full system should go live within the first quarter of 2011. CrossRef staff members have designed the system's architecture in its entirety and have taken the lead in managing the development effort as well. Technology provider Atypon Systems has provided critical support in migrating the code from the old system into the new, introducing improvements wherever possible.

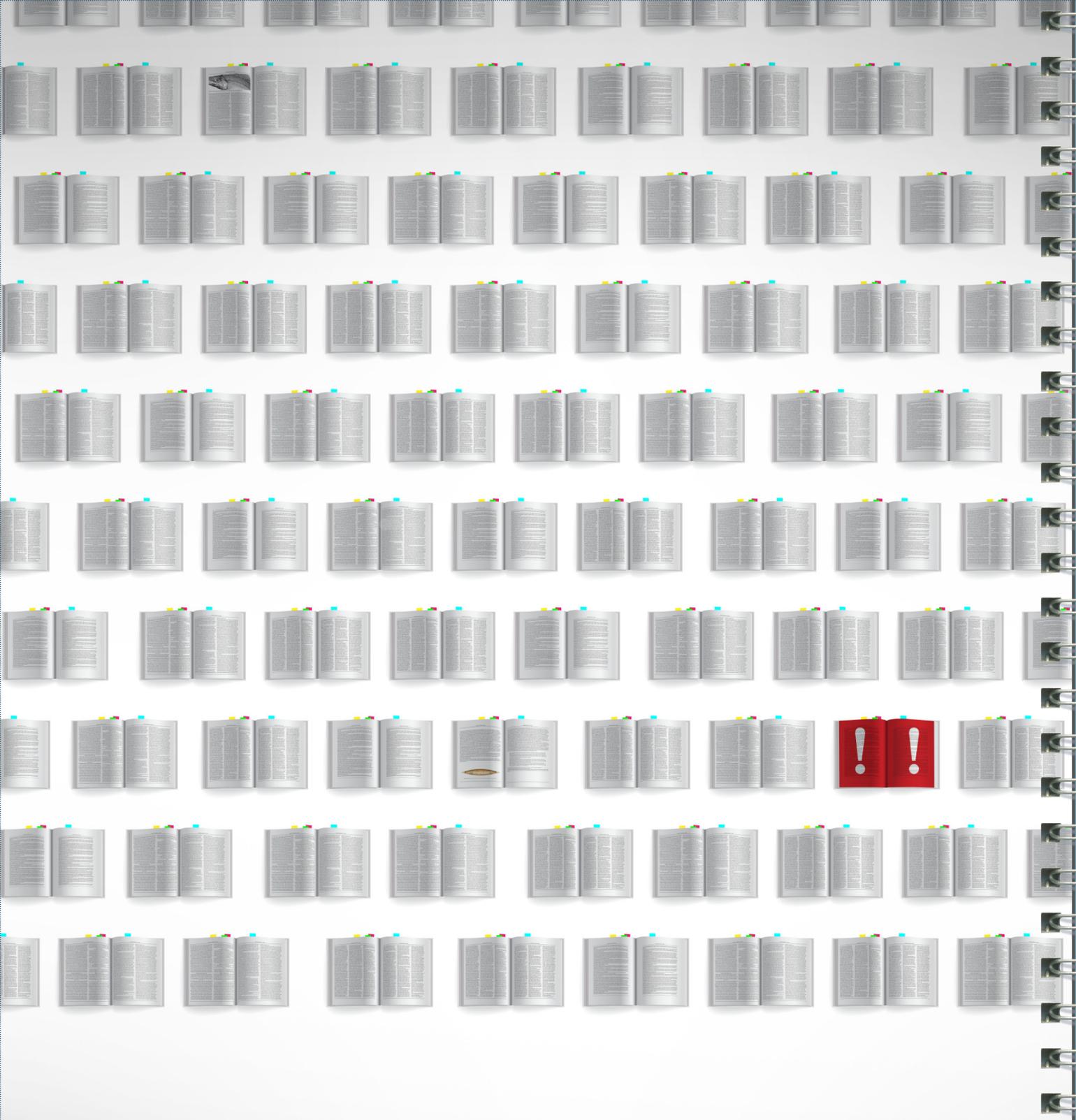
The new system will allow the full integration of current and future CrossRef services beyond reference-linking. The CrossMark prototype, slated for launch as a production service in the first half of 2011, will dovetail readily with the new architecture. Existing services such as the OpenURL query interface and CrossRef Metadata Services, originally developed as stand-alone items and grafted onto the main system, will be integral components of the new system, which will enhance their performance and allow significantly improved management and maintenance by CrossRef staff. A more formal version of the CrossRef Metadata Search tool, now found in the CrossRef Labs section on the CrossRef Web site, will be built into the query system under the name Formatted Citation Query.

CrossRef's ownership of the new system and comprehensive knowledge of its structure brings the organization new freedom to make changes large and small, whether to install a new service or to tweak performance.

There is considerable interest in linked data applications that enable text mining and similar activities by processing machine-readable metadata, a function of what is sometimes called the Semantic Web. To realize the full potential of these efforts, there needs to be general agreement on best practices for the presentation and handling of the data involved, a question more of policy than technology. On a technical level, the requirements are relatively minor and clearly defined, and the new query system will be able to incorporate whatever CrossRef services emerge to support the broader community level of activity.

In addition to installing the new software system, CrossRef is preparing its infrastructure for future growth as the volume of content registered in the system expands and additional services are introduced. A new software load balancer helps the staff to monitor and direct incoming Web traffic more efficiently, and the adoption of virtualized servers allows activities within a single machine to be partitioned for enhanced reliability. The power capacity in the data centers has been raised from 20 amps to 30 in anticipation of additional hardware needs, and the bandwidth of the incoming feed from CrossRef's Internet service provider has been upgraded.

As a collaborative organization serving a broad constituency of stakeholders involved in scholarly communications, CrossRef is committed to a proactive approach in maintaining the quality of its services. The recent addition of Dov Frede as Technical Support Specialist will help both to promote the membership's effective use of the system and to enhance the end-user experience.



CrossCheck simplifies plagiarism screening.
Learn more at www.crossref.org/crosscheck.



REVIEW OF THE ORGANIZATION.

CrossRef is operated by Publishers International Linking Association, Inc. (PILA), a non-profit, independent organization. The PILA Board of Directors has defined the following goals and projects as the current focus of CrossRef's activities:

Goals for 2010

- Continue to deliver value to the industry and fulfill the CrossRef mission while investing in the existing system and developing new services.
- Develop prototypes of new initiatives more quickly.

Projects for 2010

- Complete the rewrite of CrossRef's query system and begin development of the new deposit system.
- Launch CrossMark as a production service within the first half of 2011.
- Increase participation in the CrossCheck service beyond the large publishers, and develop best practices for its use.
- Support the ORCID initiative to develop a registry of unique identifiers for contributors to the scholarly literature.
- Improve the metadata quality audit process and develop more automated tools for members to use in depositing book metadata and references.
- Increase book deposits and book reference linking.
- Add new international members and members from developing countries.
- Advance CrossRef's branding and work with librarians to raise end-user awareness of CrossRef through targeted marketing materials.
- Continue to review administrative procedures with the goal of streamlining operations, and investigate the adoption of a new accounting system.
- Continue to participate in relevant industry groups and associations such as Transfer, SSP, STM, ALPSP, NISO, and IDF.

STRATEGIC INITIATIVES

CrossMark

In line with its mandate to develop new services, CrossRef has run a successful prototype of CrossMark, which is expected to launch in early 2011 as a production service enabling publishers to label their versions of record of articles and provide information on their provenance and post-publication updates. It is worth noting that CrossMark has been created from the ground up by CrossRef staff, without recourse to existing software and with significant refinement of the concept during development.

CrossRef Contributor ID and the ORCID Initiative

CrossRef's Contributor ID project has joined with the Open Researcher and Contributor ID (ORCID) initiative in the effort to create a registry of unique identifiers for authors and other contributors to the scholarly literature. Several Board and staff members are active in ORCID working groups. ORCID is also taking advantage of CrossRef technology, such as CrossRef Metadata Search, which will be incorporated into the system as a way for researchers look up and insert their publications into their ORCID profiles, with DOIs and properly formatted XML code automatically included.

CrossRef Labs

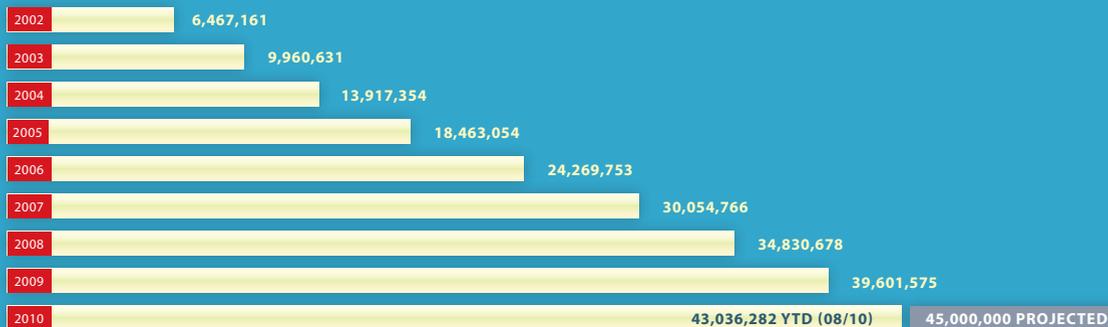
The CrossRef Labs page was launched on CrossRef's Web site in the fall of 2009 to house prototypes of tools that complement existing CrossRef services, providing a convenient way for publishers and researchers to experiment with them and provide feedback. CrossRef Labs consolidates projects of the type that have appeared on the CrossTech blog, such as the WordPress and Moveable Type plug-ins that allow researchers to insert CrossRef DOI-based links in their blog postings. These interfaces employ Open Source design, to encourage their adaptation by others wishing to create their own tools for linking and CrossRef metadata retrieval. CrossRef Metadata Search is itself a CrossRef Labs project, built on the same metadata index that underlies the plug-ins.

More recent CrossRef Labs projects include the TOI DOI (or Short DOI) service (with TOI standing for "Tiny Object Identifier"), used to create abbreviated versions of DOIs for insertion in Twitter feeds. (This project is distinct from the IDF's shortDOI™ Service, designed for use in such applications as email, blogs, and mobile messaging.) In the area of chemistry, some publishers have begun to include the International Chemical Identifier (InChI) for each chemical compound mentioned in an article; the InChI Lookup tool makes it possible to identify all articles that contain references to a particular chemical, and to identify all chemicals referred to in a particular article. A new form of bar code, called a QR code, can be photographed with a cell phone and processed to

YES, I AM
THE VERSION
OF RECORD!

crossmark

CrossMark, a service enabling publishers to communicate updates about the status of their articles, is expected to launch in early 2011.



DOIs IN THE CROSSREF SYSTEM.
CROSSREF CURRENTLY ADDS 15,000 NEW DOIS EACH DAY.

link to a Web site for a product or event; QR Code Generator converts a DOI into a QR code, so that attendees at a poster session of a conference, for example, can photograph displayed QR codes and later link to the associated articles.

Should any CrossRef Labs project evolve to the point of requiring significant investment or indicating a new direction for the organization, it would enter the formal Strategic Initiatives Lifecycle process, with Board oversight. While this has not yet happened, it appears likely that CrossRef Metadata Search will reach that level, its functionality already tapped not only for the ORCID initiative but also for CrossMark, where it will be used to incorporate CrossRef metadata into PDF versions of articles.

At the same time that CrossRef Labs has facilitated the testing of small projects, the addition of Karl Ward as R&D Programmer has been

instrumental in their development, providing in-house resources where the engagement of a contractor would be unwieldy.

CrossRef DOIs, Linked Data, and the Semantic Web

CrossRef DOIs have been designed to lead readers to Web pages containing either information about a desired item (as in an abstract page) or the item itself (as in an image). While humans perceive the difference readily and proceed accordingly, computers do not, which is an obstacle to emerging semantic Web applications such as text mining. CrossRef is working to ensure that its DOIs and the Handle System are optimized for such automated processes, so that targeted content can be accessed, subject to authorization, regardless of the hierarchy of its presentation.

The value of the DOI as a persistent marker is well established, and as DOIs are assigned to an ever-expanding range of items, services are emerging that are tailored to a widening array of constituencies.

ONGOING SERVICES

Cited-by Linking

CrossRef Cited-by Linking is growing steadily, with about 200 publishers now participating. Nearly 16 million of the DOIs in the CrossRef system have at least one Cited-by link, approaching 40 percent of the total deposited. As in CrossRef's core linking service, the greater the participation, the greater the value delivered to the entire research community.

CrossCheck

Publisher uptake of the CrossCheck plagiarism screening service powered by iThenticate, continues to be strong, with about 125 publishers now involved. CrossCheck was featured at the June 2010 Annual Meeting of the Society for Scholarly Publishing, and publishers are reporting that the service is proving to be a valuable tool in their evaluation of submissions.

CrossRef Metadata Services

CrossRef Metadata Services (CMS) is expanding rapidly, with a proliferation of organizations availing themselves of the opportunity to tap authoritative CrossRef metadata for a variety of purposes. The redesigned Enhanced CMS Affiliate membership, which allows the use of the metadata to construct citation metrics, is a particularly strong growth area.

CrossRef DOIs for Books

Within the core CrossRef linking service, books are the fastest growing category of content, reflecting the wide acceptance of the eBook both through

mobile devices and through library uptake of aggregated eBook collections. With a set of "best practice" guidelines already in place, CrossRef continues to focus on enhancing the discoverability and usage of book content.

DOI Developments

With the recent addition of DataCite, there are now six DOI Registration Agencies. Primarily serving a constituency of national libraries and data centers, DataCite is dedicated to developing citation standards and persistent linking for datasets in the same way that CrossRef has for scholarly publications. (It is important to note, however, that datasets within scholarly publications may receive CrossRef DOIs.) CrossRef anticipates working closely with DataCite to ensure seamless interlinking of the content of their respective communities.

The value of the DOI as a persistent marker is well established, and as DOIs are assigned to an ever-expanding range of items, services are emerging that are tailored to a widening array of constituencies. CrossRef recognizes this and is formulating branding strategies to communicate clearly the scope of the CrossRef DOI and the nature of the organization's offerings.

The DOI system has been submitted as an ISO Final Draft International Standard, and is expected to be released as an ISO standard by the end of 2010.



Now with over 125 publishers, CrossCheck plagiarism screening is a valuable tool.

GOVERNANCE, MEMBERSHIP, AND STAFF

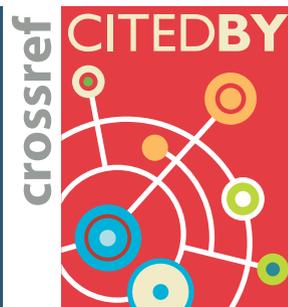
The PILA Board of Directors comprises 16 representatives, listed further on in this report and at www.crossref.org. Five individuals were elected to the Board at the 2009 Annual Member Meeting, to serve three-year terms: Bernard Rous, ACM; Ahmed Hindawi, Hindawi; Ian Bannerman, Informa UK; Robert Campbell, John Wiley & Sons, Inc.; and Carol Richman, Sage Publications.

In addition to the growth of CrossRef's publisher and society membership, there is ongoing growth in the number of Affiliates, now totaling 85. All CrossRef Affiliate categories have been restructured to reflect in a more meaningful way current affiliate activity, which has expanded significantly.

The 2009 Annual Member Meeting, held in Cambridge, Massachusetts, on November 10, also marked CrossRef's 10th anniversary. A celebratory dinner was hosted the evening before the meeting at Boston's Museum of Science, attended by more than 130 CrossRef members, friends, and staff. The meeting itself featured stimulating presentations by Professor Onora O'Neill (Baroness O'Neill of Bengarve), Faculty of Philosophy, University of Cambridge, on trust, communication, and academic publication; and by T. Scott Pluchak, Director, Lister Hill Library of the Health Sciences, University of Alabama at Birmingham, on plagiarism in the academy. The 2010 Annual Member Meeting will be held on November 16, 2010, in London, U.K., with featured speakers Tracey Brown, of Sense About Science; Toby Green, of the Organisation for Economic Co-operation and Development (OECD); and Mackenzie Smith, of The MIT Press.

The CrossRef staff has grown to 15. Recently added R&D Programmer Karl Ward is based in Oxford, and the Lynnfield group now includes Andrew Gilmartin, Senior Software Developer; Amy Wright, Staff Accountant; and Dov Frede, Technical Support Specialist. Staff members continue to play important roles in industry organizations. Executive Director Ed Pentz is chair of the UKSG Project TRANSFER Working Group, and treasurer of the International DOI Foundation (IDF). Chuck Koscher, Director of Technology, is Immediate Past Chair of the National Information Standards Organization (NISO), and Carol Meyer, Business Development and Marketing Manager, is a Board Member of the Society for Scholarly Publishing (SSP). CrossRef is also well represented at major industry events and conferences, through sponsorship and presentations alike. To give a few recent examples of staff presentations: in March, at the BioOne Publishers and Partners Meeting, Chuck Koscher; in June, at the SSP Annual Meeting, Geoff Bilder, Director of Strategic Initiatives, Kirsty Meddings, Product Manager, and Carol Meyer; in June, at the Fourth Bloomsbury Conference, Ed Pentz.

Over 200 publishers are now participating in Cited-by Linking.



CROSSREF AFFILIATES.

ENHANCED AFFILIATES

ACCELRYS

www.symyx.com

THE ARCTIC INSTITUTE OF NORTH AMERICA

www.ucalgary.ca/aina

ATLAS CO, LTD.

<http://atlas.jp>

BEIJING MAGTECH CO.

www.magtech.com.cn

BIO-RAD LABORATORIES, INC.

www.bio-rad.com

BOWKER

www.bowker.com

CAMBRIDGE CRYSTALLOGRAPHIC DATA CENTRE

www.ccdc.cam.ac.uk

THE CHARLESWORTH GROUP

www.charlesworth.com

CLOCKSS

www.clockss.org

CNPq

www.cnpq.br

DATA CONVERSION LABORATORY

www.dclab.com

DECHEMA

www.dechema.de

EBSCO PUBLISHING

www.ebsco.com

ENERGY TECHNOLOGY

www.etde.org

DATA EXCHANGE

www.etde.org

EUROPEAN PATENT OFFICE

www.epo.org

EXPERT PUBLISHING LLC

www.expub.com

FIZ KARLSRUHE

www.fiz-karlsruhe.de

FIZ TECHNIK E.V.

www.fiz-technik.de

FRAUNHOFER GESELLSCHAFT

www.irb.fraunhofer.de

H. W. WILSON

www.hwwilson.com

HEALTH COMMUNICATION NETWORK, LTD.

www.hcn.net.au

INERA

www.inera.com

INFORMATION EXPRESS

(reviews.com)

www.reviews.com

www.ieonline.com

INFOTRIEVE

www.infotrieve.com

INSTITUTE OF PSYCHOLOGY INFORMATION (ZPID)

www.zpid.de

INTERNATIONAL ATOMIC ENERGY AGENCY

www.iaea.org

INTERNATIONAL BIBLIOGRAPHY OF THE SOCIAL SCIENCES

www.ibss.ac.uk

JAPAN MEDICAL ABSTRACTS SOCIETY (JAMAS)

www.jamas.or.jp

JAPAN SCIENCE AND TECHNOLOGY AGENCY (JST)

www.jst.go.jp

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MEKENTOSJ BV

www.mekentosj.com

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www.mendeley.com

MPS TECHNOLOGIES

www.mpstechnologies.com

NATIONAL CENTER FOR PTSD

www.ncptsd.org

NATIONAL RESEARCH INFORMATION CENTER

PALGRAVE MACMILLAN

www.palgrave.com

PORTICO

www.portico.org

PROQUEST INFORMATION & LEARNING

www.proquest.com

PUBGET

www.pubget.com

SCIENCE CHECK

www.sciencecheck.org

SEED MEDIA

www.seedmediagroup.com

THE SHERIDAN GROUP

www.sheridan.com

SYMPLECTIC LTD.

www.symplectic.co.uk

SYMYX SOFTWARE

www.symyx.com

TDNET

www.tdnet.com

TECHSET COMPOSITION LIMITED

www.techset.co.uk

UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC.

www.rgs.ku.edu

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www.allenpress.com

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www.ariessys.com

ATYPON

www.atypon.com

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HIGHWIRE

www.highwire.org

INASP/JOL

www.inasp.info

INNOVATIVE INTERFACES**WEB BRIDGE**

www.iii.com

METAPRESS

www.metapress.com

OCLC PICA OL2

www.openly.com
www.fdusa.com/linking.html

PUBGET

www.pubget.com

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SANBI PRINTING CO., INC.

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MESUR

www.mesur.org/MESUR.html

NASA ADS

adswww.harvard.edu

**ONTARIO COUNCIL OF
UNIVERSITY LIBRARIES (OCUL)**

www.ocul.on.ca

PROQUEST LLC.

www.proquest.com

SCIRUS

www.scirus.com

**SCHOOL OF ADVANCED STUDY,
UNIVERSITY OF LONDON**

www.sac.ac.uk

SUNMEDIA

www.sunmedia.com

**CROSSREF END-USER
LOOKUP AFFILIATES****AVEDAS**

www.avedas.com

CITEULIKE/OVERSITY

www.citeulike.org

JOURNALFIRE, INC

journalfire.org

LUCARE SYSTEMS, LLC

www.lucare.com

THE MAZUR GROUP

mazor-www.harvard.edu

NORTHUMBRIA LEARNING

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PAPERCHECK.COM

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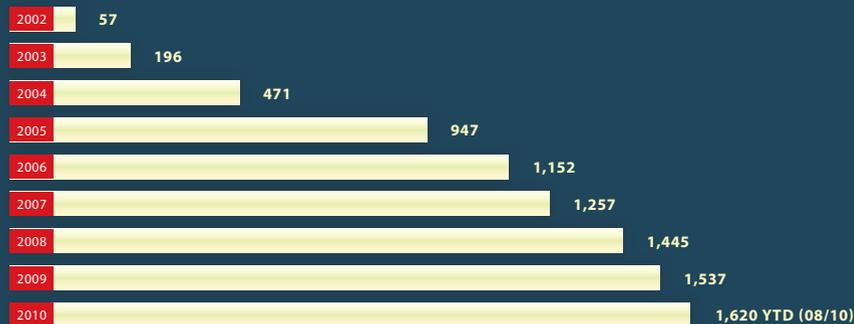
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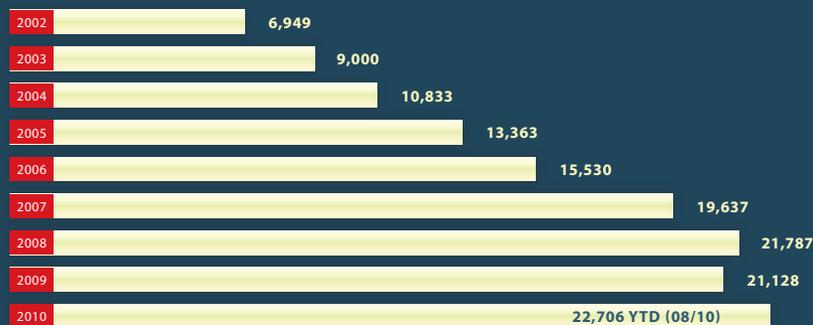
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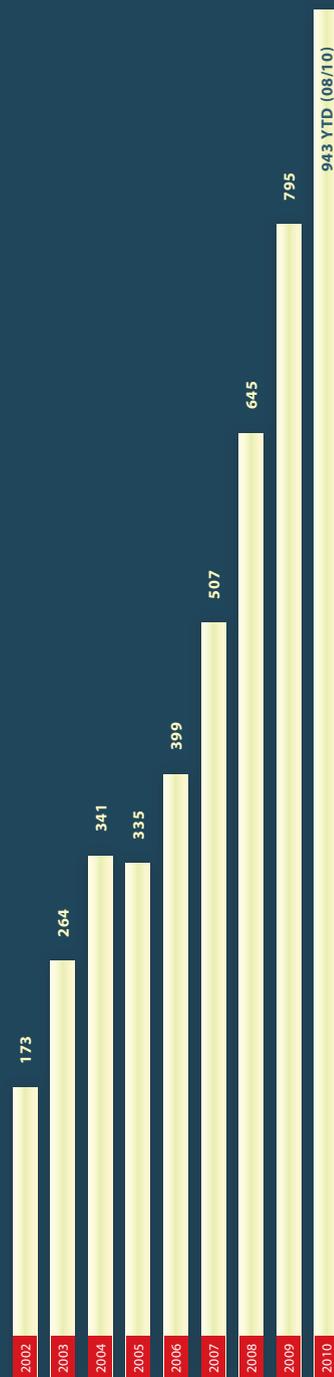
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