EXHIBIT 100
University of California
Mass Digitization Projects
Update
Users Council Annual Meeting
May 8, 2008
Heather Christenson, Mass Digitization Project Mgr,
California Digital Library
Mass Digitization at UC

- Overview of current projects, locations, roles of participants
- Description of process
- What have we digitized and where you can find it
- A few thoughts on book discovery, scholarly use & what the future holds
Three Projects, One Goal

- **Goal:** Mass digitization of UC Libraries' book collections
- **Google**
  - In-copyright and out-of-copyright works
  - Available via Google search engine and Google Book Search
- **Microsoft**
  - Out-of-copyright works only
  - Available via Microsoft Live Search Books
- **Open Content Alliance**
  - Out-of-copyright works only
  - Available (via the Internet Archive website) to any and all search engines
  - Library and grant-funded
Why Are They Doing It?

- Google's vision: To put all the world's information online
- Google and Microsoft: To gain marketshare and competitive advantage for their search (and online advertising) services
  - It's all about Search
- OCA: To put the world's information online, for free, forever
  - It's all about the public good
Why Are We Doing It?

Create ability for anyone to discover & access books anywhere, anytime, (essentially) for free

New kinds of scholarship

To preserve and protect our collections

To explore new collection & access models
Participant Roles

- UC Libraries
  - supply & curate books and bibliographic metadata
  - supply onsite scanning facilities when appropriate
  - preserve digital files created

- Third-parties (Google, Microsoft)
  - provide funding for book scanning
  - digitization – scanning, post-processing
Microsoft/OCA

- Production scanning began April 2006
  - Books from all UC Libraries
- Internet Archive: Digitization Agent
- Projected scope 100 K books per year
  - Pick-list driven: limit to public domain
- Scanning Centers (30 scanners “scribes”)
  - Location: UC at SRLF, Internet Archive
Google

- Production scanning began October 2006
  - Scanning books from NRLF

- Projected Scope
  - 2.5 million books during 6 year period
  - Bulk pulling: public domain /in-copyright

- Scanning location
  - Books transported to offsite Google digitization facility

- Expansions to UC campus libraries, 2008
  - UCSC & UCSD are sending books
Participating UC locations

Microsoft/OCA
- Northern Regional Library Facility (NRLF)
- Southern Regional Library Facility (SRLF)
- UC Berkeley, Bancroft Library
- UCLA

Google
- Northern Regional Library Facility (NRLF) + UC Berkeley Systems
- UC Santa Cruz
- UC San Diego
CDL’s role, on behalf of UC

- Liaison with partners
- Planning & coordination
- Funding
- Stewardship of digital content
- New services
PREFAO.

With Mr. Gabriel Costa's permission I have given some extracts from this pamphlet. Mr. Costa has given a very comprehensive and detailed account of the situation, which, apart from its value as a source of information, must be read with the utmost care and concern for the future of the Jewish community. His research has inspired us to think about the importance of the Jewish community in Great Britain, France, and Poland, and the way in which it should be defended against the forces of anti-Semitism.

The Jewish community in Great Britain is of great importance, not only for its own sake but also for its role in the larger context of the Jewish community in Europe. It is essential that we work towards a future in which the Jewish community is free from discrimination and persecution.

JEWIS AND THE WAR

BY

GABRIEL COSTA.

The intervention of Jews throughout the world is closely interwoven with the struggle that is proceeding on the battlefield. The Jews have been involved in the struggle for many years, and their participation is a source of pride and inspiration.

The situation in the United Kingdom is of particular importance, as it is the country in which the Jewish community has a strong presence. The Jewish community in the United Kingdom is faced with many challenges, including discrimination and persecution.

The Jews in Great Britain

The Jews in Great Britain have played a significant role in the history of the country. They have contributed to the culture, economy, and society of the United Kingdom, and their influence can be seen in many aspects of life in the country.

The success of the Allied Armies

The success of the Allied Armies has been a source of pride and inspiration for the Jewish community in Great Britain. The contribution of the Jewish community to the war effort was significant, and it is important that we remember and honor the sacrifice made by the Jewish community in the fight against the forces of anti-Semitism.

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Costs to the UC Libraries

- Staffing (2-5 FTE at each of 6 locations)
- Physical space & facilities
  - Scanning centers (where scanning machines are housed), book processing, queue storage (book trucks)
  - Costs to run campus systems
- CDL servers for inventory database, digital preservation
What books are being digitized?

- American history
- Humanities
- Science
- Cookbooks
- Children’s books
- East Asian & Pacific Rim collections
Where can you find UC books?

- **Google Book Search:**

- **Microsoft Live Search Books:**

- **Internet Archive:**

- **Melvyl:** [http://melvyl.cdlib.org/](http://melvyl.cdlib.org/)
Full-text access: copyright status is a factor

- Public domain, pre-1923
- "orphan works," 1923-1964
- 1965 - present
ROSS FAMILY. Rosaceae.

Cylindrical receptacle, surrounded by a triple row of very numerous stamens on the margin of the calyx-tube.

Wild Roses are widely distributed in the northern hemisphere and are too familiar to need much description. There are numerous kinds; some are climbing, all are prickly and thorny, with handsome, often fragrant, flowers and compound leaves, with toothed edges. The numerous yellow stamens are on the thick margin of a silky disk, which nearly closes the mouth of the calyx. The numerous pistils develop into achenes, or small, dry, one-seeded fruits. These look like seeds and we find them inside the calyx-tube, which, in ripening enlarges, and becomes round or urn-shaped. These swollen calyx-tubes are the "hips," which turn scarlet and add so much to the beauty of the rose-bush when the flowers are gone. Rosa is the ancient Latin name.

**Fender's Rose**
Rosa *Fendleri*
Pink
Spring, summer
Thorny stems, with slightly curved thorns.
Idaho, Utah, Ariz.

The flowers are more or less fragrant and about two inches across, with bright pink petals, which gradually become paler as they fade, and pretty crimson-tipped buds. This has smooth "hips," and is a beautiful and conspicuous kind, growing in valleys and along streams, up to an altitude of nine thousand feet. It is widely distributed and variable, probably including several forms.

**California Wild Rose**
Rosa *Californica*
Pink
Spring, summer
Stout thorns, which turn back. The leaves are more or less downy, especially on the under side, with from three to seven leaflets, and the flowers usually form a cluster of two or more and are each from one to nearly two inches across, with pale pink petals. They are lovely flowers, with a delicious fragrance, and are common at low and moderate altitudes in California, usually growing near streams.
CHAPTER VIII.

THE CATALYTIC DECOMPOSITION OF OZONE.

Since the quantity of ozone in equilibrium with atmospheric oxygen at ordinary temperatures is, as we have seen, almost vanishingly small, it follows that in ozonised oxygen or ozonised air conditions of unstable equilibrium obtain, and the apparent stability of the ozone is due to the fact that the equilibrium is "frozen," or the rate of decomposition of ozone at these temperatures is almost negligible. The rate of decomposition of the ozone in excess of the minute amount present at the true equilibrium can be accelerated in a variety of ways, such as by the addition of catalytic materials, either solid, liquid, or gaseous, by photo-chemical action, or by purely thermal methods, by slightly elevating the temperature.

The rate of decomposition of ozone has been the subject of many investigations. Shenstone in 1897 considered dry ozone to be extremely unstable, and to undergo decomposi-
SINCE the days when Izaak Walton wrote The Complete Angler, men have emulated his example, and gone forth with rod and reel to tempt the finny tribe from dashing mountain brook or quiet river.

We, being his disciples, thought to follow his example, and spend the day in the Berkeley hills whipping the stream for the wary brook trout.

April first is the open season for trout in California, but owing to the scarcity of rain we feared the water in the brook would be too cold for them. Besides, good...
Lurking in the depths of the ocean is a fearsome creature of proportions that stagger the imagination. At least sixty feet long and weighing more than a ton, with two elongated, whip-like tentacles and eight grasping arms studded with toothed suckers; with a huge beak between its arms and two lidless eyes the size of dinner plates—this is the giant squid, one of the largest animals on earth and one of the least known. Until now.

INTRODUCING ARCHITEUTHIS

recently, the carcasses of giant squid have been caught in deep nets, or even...
Book Discovery

- Book Discovery in a Mass Digitized Environment

- What are the strengths and weaknesses of leading book discovery interfaces?

- What is the best user experience for book discovery tasks?
Wish list for book discovery

- Improved results ranking and recommendations
- Ability to both browse/winnow and search across full text
- Ability to find & display multi-volume works in a meaningful way
Scholarly use studies


- **OCLC/RLG**: Explore user expectations for scholarly use of the outputs of mass digitization
Questions?

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- For more information:
  http://www.cdlib.org/inside/projects/massdig/