



*An Open Access
Bestiary;
or,
Looking Upon the Many
Forms of Open Access*

George S. Porter

[Caltech Library System](#)

Charleston Conference 2004

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The Three B's of Open Access

- Budapest Open Access Initiative
(February 2002)
- Bethesda Declaration (June 2003)
- Berlin Declaration (October 2003)

The Budapest Initiative

There are many degrees and kinds of wider and easier access to this literature. By 'open access', we mean it's free availability..... The only constraint ... authors' control over the integrity of their work and the right to be properly acknowledged.

<http://www.soros.org/openaccess/read.shtml>

The Bethesda Declaration

... let users “copy, use, distribute, transmit and display the work publicly and to make and distribute derivative works, in any digital medium for any responsible purpose, subject to proper attribution of authorship...”

The Berlin Declaration

... let users “copy, use, distribute, transmit and display the work publicly and to make and distribute derivative works, in any digital medium for any responsible purpose, subject to proper attribution of authorship...”

<http://www.zim.mpg.de/openaccess-berlin/berlindeclaration.html>

The Common Thread

BBB definition - OA removes both price and permission barriers to access, use, and reuse. Free online access isn't enough. "Fair use" and "fair dealing" is not enough.

<http://www.earlham.edu/~peters/fos/newsletter/09-02-04.htm#progress>

The Two Colors of Open Access

- Gold – Open Access journals
- Green – Author Self-Archiving

Budapest Initiative

Open Access Journals; the Golden Road

- [BioMed Central](#)
- [Public Library of Science](#)
- [European Geosciences Union](#)
- [SciELO](#)
- [EMIS](#)
- ICAAP (International Coalition for the Advancement of Academic Publishing)

Open Archives; the Green Road

The fork in the **Green Road**:

- Centralized, subject archives
- Institutional repositories (IRs)

Central Archives

- arXiv.org
- [RePEc: Research Papers in Economics](#)
- [Computing Research Repository \(CoRR\)](#)
- NIH proposal -> [PubMed Central?](#)

Institutional Repositories

- [Caltech CODA \(Collection of Open Digital Archives\)](#)
- [Australian National University](#)
- [eScholarship \(California Digital Library\)](#)

Could There Be More?

- Embargoed
- Free, but not Open
- Nag Access
- Hybrid Open/Toll Access
- Walker/Prosser model
- Conference Proceedings

Embargoed

- DC Principles

Free, but not Open

- [Proceedings of the American Thoracic Society](#)
- [ARLO](#) (Acoustics Research Letters Online)
- Sneak peeks from IoP Publishing

Nag Access

- Registration required
- Pioneered by BE Press

Hybrid Open/Toll Journals

- Research articles are Open Access
- Editorial content is subscription-based

Examples:

- *Breast Cancer Research* – BioMed Central
- [Therapy](#) – Future Drugs

Walker/Prosser Model

- Open Access funded at time of publication
- Entomological Society of America journals
- *Nature* – special issues underwritten by corporate grant
- *PNAS*
- Springer Choice
- Most common – surcharge to ransom immediate access from an embargo

Conference Proceedings

- [CAV2001](#) – Caltech CODA
- [Caltech Large-Eddy Simulation and Subgrid-Scale Modeling for Turbulent Mixing and Reactive Flows](#)
- [Engineering Conferences International Symposium Series \(BEPress\)](#)

Surely, there are no more

- Au contraire – we've but scratched the surface!
- The Dimension of Time
- Grey Literature

Traveling through Time

- Scholarly communication did not start with [arXiv](#) (1992) or Harnad (1994)
- [EMANI](#) – Electronic Mathematical Archiving Network Initiative
- [Gallica](#) (BNF)
- [Project Euclid](#) – *DMJ100; Communications in Mathematical Physics backfile*

Grey; the new Green?

- Technical Reports
- Working Papers
- Theses
- Dissertations

Technical Reports

- [NCSTRL](#) & [CaltechCSTR](#)
- [CaltechEERL](#)
- OAI-MHP compliant repositories

Working Papers

- [RePEc](#)
- [NBER Working Papers](#) (National Bureau of Economic Research)
- [Economics Working Paper Archive](#)
- [IMF Working Papers](#)
- [FRB Working Papers](#)

Theses & Dissertations

- [NDLTD](#) – Networked Digital Library of Theses & Dissertations
- [Caltech ETD](#) (more in a moment)
- Australia, Brazil, Canada, & Peru initiatives

Senior Theses!

Jennifer Caron. *Edward Lewis and radioactive fallout: the impact of Caltech biologists on the debate over nuclear weapons testing in the 1950s and 60s.*

[http://resolver.caltech.edu/CaltechETD:
etd-03292004-111416](http://resolver.caltech.edu/CaltechETD:etd-03292004-111416)

Dissertations in Time

- [Caltech ETD](#) - not born yesterday
- Digitizing an institution's legacy
- Linus Pauling, Donald Knuth, Paul MacCready, Arnold Beckman, Frank Oppenheimer

Preserving the Legacy

- Collected Works without the marketing & warehousing hassles
- Faculty most receptive to self-archiving are establishing their legacy – late career consolidation & documentation
- [CaltechAUTHORS](#)

So, what is Open Access?

- Grassroots movement
- Philosophy
- Social phenomenon
- Still in its infancy

What OA is not

- A foregone conclusion
- A passing fad
- A formula for instant success
- Effortless