An example of how a traditional publisher has engaged with open access

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Summary

- A look at IOP Publishing’s Open Access activities
  - New Journal of Physics
  - Environmental Research Letters
  - Open Conference Series
  - OA and Asia
  - Publishing partners
    - Institutional Membership Fees
    - Hybrid model
  - A word of caution
Gold open-access – New Journal of Physics

- Launched in 1998 by IOP and the German Physical Society

- The first peer-reviewed, open-access journal to cover the whole of physics
  - In 1998 the term “open access” did not even exist

- At the time considered “a novel experiment”
  - Now considered to be pioneering
New Journal of Physics - characteristics

- All content permanently free to read
  - Funded solely by article charges ($1100)

- Subject coverage across the whole of physics

- Strict peer-review process and editorial criteria
  - > 80% of submissions are rejected

- Electronic-only
  - Free use of colour and multimedia
  - No article length restrictions

- Author-friendly copyright
  - Free distribution of published version
  - Creative Commons rights for third-party users
New Journal of Physics – editorial growth

- Journal has grown by a factor of 35 since 2001!
- Rejection rate is actually increasing (>80% for regular submissions)
- >90% of articles are now paid for
- More and more researchers are choosing to pay to publish with NJP
New Journal of Physics – authorship

- Strong traditional support from Europe
- Expanding support from N America and China
- NJP has become a truly international journal
More than 3 million downloads since 1998

~700 downloads per article within first 12 months

Readership each month extends to over 190 countries
  - Truly global
  - A scientific success!
New Journal of Physics – citation performance

- **Current Impact Factor** is 3.31
  - The highest OA journal in physics
- 3rd highest IF out of all general physics, original research journals
- Articles are increasingly being cited
  - Immediacy Index jumped in 2009
Is NJP self-sustainable? Yes!

- Since 2002 the article charge has increased from £300 to £650

- Financial revenue relies on 3 factors:
  - The publication fee - £650 (2009)
  - Number of published papers – 816 (2009)
  - % of authors paying – 90% (2009)

- Since 2008 NJP has covered all of its operating costs
  - It will do so again in 2010

- BUT journal still repaying its initial 10 year investment
  - It may never recover all its costs
Centralised funding agreements

- **Financial support for OA publication fees is growing:**
  - University of Calgary
  - University of Ottawa
  - Goettingen University
  - Max-Planck Society
  - University of Nottingham
  - Columbia University
  - Cornell University
  - Harvard University
  - University of California, Berkeley
  - University of Florida
  - University of North Carolina, Chapel Hill
  - University of Wisconsin, Madison
    - (Historical support from JISC UK 2005-2007)

- **Most recent support for NJP:**
  - The Chinese Academy of Sciences – thank you!
  - Contribute 50% of the publication fee for CAS researchers
NJP and Chinese Academy of Sciences
Environmental Research Letters (ERL)

"Environmental Research Letters is a free-to-read journal dedicated to bringing together intellectual and professional scientists, economists, engineers and social scientists, as well as the public sector and civil society who are engaged in efforts to understand the state of natural systems and, increasingly, the human footprint on the biosphere."

Dr. Daniel M Kammen, Editor-in-Chief (UC Berkeley)

- **Launched in 2006**
  - A new interdisciplinary title within IOP’s core physics journals portfolio
  - Concise, high impact original research articles not normally more than 4000 words.
  - Leading experts in all aspects of environmental research and policy

- **The same author-pays business model and core characteristics as NJP**
  - Article charge $1725
  - Aiming to repay initial investment at faster rate
  - The publication charge is set at a higher level which will recover its costs over a long period of time

- **Subject coverage across the whole of environmental science**
  - High impact, high urgency research Letters
  - Of broad interest to wide readership (including general public)
  - Open Access seemed like the right publishing model
Environmental Research Letters - authorship

- Annual growth in submissions since 2006
- Strong author support from N America and UK
- Increasing authorship from Asia
- 70% of authors pay
Environmental Research Letters - readership

- Continued growth in journal readership
- >1000 downloads/article within 12 months
  - One of IOP’s most read journals per article
- Regular blog and news coverage enhances visibility
Environmental Research Letters – citation performance

- Rapid increase in Impact Factor since launch
- Current IF = 3.34
  - Highest OA journal for environmental science
- ERL already in top tier of environmental science journals (within 4 years)
IOP Publishing’s open-access proceedings portfolio

2004

JOURNAL OF PHYSICS: CONFERENCE SERIES
The open-access journal for conferences
Fast • Flexible • Affordable
Unlock your conference proceedings
jpcs.iop.org

2007

IOP Conference Series:
Earth and Environmental Science
The open-access proceedings service for conferences
Release your research to the world
conferenceseries.iop.org/ees

2008

IOP Conference Series:
Materials Science and Engineering
The open-access proceedings service for conferences
Release your research to the world
conferenceseries.iop.org/mse
Journal of Physics: Conference Series (JPCS)

- The first in the series
  - Launched in August 2004

- An open-access proceedings service
  - Completely free to read online
  - Conference organisers pay fee per published article
  - Uses OA proceedings license - authors retain copyright

- Online publication, with optional:
  - Printed copies (hardback or softback)
  - CDs/DVDs/memory sticks

- Approaching 250th published volume
  - ~75 volumes expected in 2010
  - JPCS continues to expand
JPCS – readership

- One of IOP’s most read journals
- >1 million article downloads in 2008
- Expect > 2 million downloads in 2010
Previous and forthcoming events in JPCS

- **Major physics conferences published in JPCS include:**
  - 25th International Conference on Low Temperature Physics (LT25)
    6–13 August 2008, Amsterdam, The Netherlands
  - International Conference on Magnetism (ICM 2009)
    26–31 July 2009, Karlsruhe, Germany
  - International Conference on Photonic, Electronic and Atomic Collisions
    published 2007, 2009 and will publish 2011 proceedings

- **Forthcoming events:**
  - 26th International Conference on Low Temperature Physics (LT26)
    10–17 August 2011, Chinese Academy of Sciences, Beijing, China
  - Third International Photonics and Optoelectronics Meeting (POEM 2010)
    3–5 November 2010, Wuhan, China
Open-access partnerships

- **Science and Technology of Advanced Materials (STAM)**
  - Launched in 2000 as subscription journal
  - Partnership with National Institute for Materials Science (NIMS) and IOP since 2008
    - Now 100% Open Access
  - Publishing costs covered by NIMS
  - 2009 Impact Factor = 2.599

- **Advances in Natural Sciences: Nanoscience and Nanotechnology**
  - Partnership this year with Vietnam Academy of Science and Technology (VAST)
Institutional memberships

- **JCAP and JINST**
  - Partnership with SISSA
  - Hybrid model
  - Fees based on number of papers published in journal
  - Advantage that fees are paid centrally once per year and not per article
  - Includes some very large research institutions
    - CERN, DESY, FermiLab, SLAC
arXiv (Cornell University) and IOP Publishing

- Eprintweb.org
  - IOP’s implementation of the “arXiv” from Cornell University Library
  - Cross searchable with IOP hosted journals content
  - Cross searchable with ProQuest Dissertations (abstracts and metadata)
    - 1997-2010
  - Available to all visitors of our journal platform
Growth of open-access content in IOP journals

- Content across all IOP titles (including partnerships)
- More than one-third of articles are now open-access
- IOP Publishing is one of the largest OA publishers
IOP and Open Access publishing

- We have been open to different business models to the subscription model for more than 12 years.
- We have been experimenting with open access models since before the phrase 'open access' was first used.
- Revenues and infrastructure provided by our subscription publishing have supported our OA activities.
- We would be happy to expand our Gold open access publishing, provided that we are able to set fees at realistic levels which will enable us to maintain our very high-quality publishing standards.
- However, we oppose unfunded mandates for the deposit of our articles in repositories.
  - This could (in our opinion) undermine our high-quality publishing and standards.
Thank you

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