Welcome to the sixth issue of Librarian Insider. If you or your colleagues want to be notified about future issues of LI please email james.weeks@iop.org.
For quarterly IOP news and information about conferences and events, please read on...

Urine-Powered Battery Tops Several New Invention Lists for 2005

Missed the story? Here's a summary:

A physicist in Singapore created the first paper battery that generates electricity from urine. Dr. Ki Bang Lee invented a paper battery that is small, cheap to fabricate, and which ingeniously uses the fluid being tested (urine) as the power source for the device doing the testing. The battery is half of the size of a credit card, and generates 1.5 volts, the equivalent of one AA battery, with a drop of urine. Dr. Lee patented the technology before joining the Institute of Bioengineering and Nanotechnology in Singapore; he subsequently published the article in Journal of Micromechanics and Microengineering while working there. The battery is currently being developed further in his new KB Lab venture (http://www.kblab.biz).

Dr. Lee said that the technology could provide a disposable power source for electronic diagnostic devices that test urine and other body fluids for diseases like diabetes.

The fascinating article is currently freely available via our IOP Select service, a collection of articles chosen by our Editors for their novelty, significance and potential impact on future research. You may read the article within IOP Select (www.iop.org/select) or by visiting the September 2005 issue (www.iop.org/EJ/toc/0960-1317/15/9) of Journal of Micromechanics and Microengineering.

Free Collectible Posters

To coincide with its increase in frequency from 12 to 24 issues per year, we are pleased to give away complimentary copies of the latest Nanotechnology poster.

We are also giving away copies of the latest Journal of Optics A: Pure and Applied Optics poster. Both feature striking images taken from articles published in the journals. To receive your copy of either or both posters, just e-mail james.weeks@iop.org.

This offer is available while supplies last.

REMINDER: RENEWALS & GRACING

Now is the time to renew your journal subscriptions and / or urge your agent to process your order promptly. As always, we provide a gracing period at the start of 2006 to give you time to do this. See librarians.iop.org for further information.

Please contact your nearest representative if you have any questions (see www.iop.org/EJ/enquiries for details).
Since 1948, the Oak Ridge National Laboratory (ORNL) Research Library has helped its patrons carry out research of global importance. The library continues to provide a welcoming place for users to congregate and share ideas. Over the past few years, dynamic marketing campaigns have been quite successful in promoting the library’s services among the 6,800+ members of its staff and guest researchers.

Two years ago, ORNL Research Librarian Deborah Cole developed a unique poster campaign to encourage visits to the library. The goal was to celebrate the contributions made by ORNL scientists to the world’s knowledge and to pay tribute to them as library users and members of the community.

The ORNL Library READ posters were inspired by the American Library Association’s celebrity READ posters, in which famous individuals are photographed holding their favorite books. The ORNL Library’s READ posters each feature an ORNL researcher who either authored or edited a published book. Ms. Cole nominates the researchers with the intent of promoting a wide variety of scientific fields.

In each of the posters an ORNL researcher-author is holding a copy of his/her own book and the poster background, created by ORNL Graphic Designer Judy Neeley, is representative of that author’s work.

There are 13 framed posters currently hanging in the library. The READ posters have proven a successful draw for the Research Library. Ms. Cole states: “Our featured scientists are delighted to see their images displayed on the library walls. We often hear from other researchers who want their own posters in the library as well!”

For marketing materials for promoting your library and the resources you offer please contact your Regional Representative or send an email to:
- info@ioppubusa.com (North and South America)
- gabby.russell@iop.org (UK and ROW).

To have your library featured in “Marketing Your Library”, send an email to info@ioppubusa.com telling us about your promotion and/or event. We’ll contact you for additional details, and photos if you have them!

A question that is commonly asked by Librarians is: “Where can I see a list of all the subscriptions that my institute subscribes to through IOP?”

LI says: If you are a registered subscriber, a complete list of your IOP subscriptions can be found in our Librarians channel at librarians.iop.org.

To enable easier navigation, this complete list of all your journal holdings features clickable links to the journal homepages for the journals listed.

The Librarians channel also provides you with all your institutional information, such as your IP addresses, your IOP site key and your institute’s site contact, shown under ‘Institutional information’.

If you access this page and your site key is shown as ‘UNREG’ then you need to complete a registration form to gain electronic access to your subscribed journals. More information about registering and our online registration form can be found at www.iop.org/journals/register.

If you have any questions about the subscriptions at your site or gaining electronic access to your subscriptions then please email our Electronic Product Support Team at custserv@iop.org.

The Electronic Publications Librarian from the University of North Texas asks: “I have a question regarding “Physics World Archive”. I’m not sure what this is. Is this a journal publication, or a package of archival issues like Institute of Physics Archives?”

LI says: The Physics World Archive goes back to the very first issue of Physics World (October 1988) and contains over 6,500 fully searchable articles. It has easy-to-use quick search and advanced search functionality and various browse options. The addition of the Physics World Archive has been eagerly anticipated by readers of the world-class magazine and we’re extremely pleased to offer this added content to our subscribers.

Do you have a question for us that you would like answered? Email us at custserv@iop.org with the subject line ‘Ask LI’.
IOP Publishes Our First Nordic Journal

Physica Scripta

In January 2006, IOP entered into a unique new partnership with the Royal Swedish Academy of Sciences, resulting in publishing our first journal from Scandinavian Europe.

Physica Scripta, a leading international journal for experimental and theoretical physics, will now be published by IOP on behalf of the Royal Swedish Academy of Sciences and the Physical Societies of the Nordic countries, a move that marks a great change for the journal which, until now, has been published in-house since 1970.

Encompassing strong components of atomic, molecular and optical physics, plasma physics, condensed matter physics and mathematical physics, Physica Scripta is a monthly publication with an active program of topical issues.

A special feature of the journal is its “comments” section that highlights current topics in different areas of physics.

Roger Wäppling, Editor-in-Chief of Physica Scripta said: “Institute of Physics Publishing is a leader in the efficient dissemination of scientific information and we are looking forward to a fruitful collaboration between the Institute and the Royal Swedish Academy of Sciences in the highly competitive area of journal publishing.”

The close collaboration with the Royal Swedish Academy of Sciences means that while the peer review process will continue to be managed by the Academy, we will produce the journal in print and electronic form and utilize our publishing expertise and global network of communication channels to build on the established reputation of Physica Scripta and promote the journal to new markets.

In addition, access to Physica Scripta will benefit from our award-winning Electronic Journals platform which includes a wide range of special features.

If you are interested in subscribing to Physica Scripta, or if you have questions about your current subscription to this world-class journal, please contact your Regional Representative (see http://www.iop.org/EJ/enquiries/ for a list of contacts) or email us at custserv.iop.org.

Nanotechnology: Increased Frequency at No Extra Cost

Nanotechnology, the first journal dedicated to all aspects of nanoscale science and technology, has outgrown its monthly publication, and as a result will be published twice monthly from January 2006.

This will be the third time since 2001 that the journal has increased frequency in response to the growing popularity and demand in the community. In 2005, we published 50% more pages than the previous year, with only 40% of submissions making it through to publication. This improvement is confirmed by the latest impact factor of 3.322.

The price will remain the same in 2006, meaning that if you are already a Nanotechnology subscriber, you will now begin to receive twice as many issues, at no extra cost. If you are not a current subscriber, but would like to add Nanotechnology to your collection, then now is the ideal time to do so, and take advantage of this great deal.

Visit the journal homepage at www.iop.org/journals/nano for pricing and ordering information, or contact us at custserv@iop.org (UK and ROW) or info@ioppubusa.com (North and South America).

DID YOU KNOW?

Really Simple Syndication

Really Simple Syndication (RSS) is a new technology which allows you to be alerted when new content is updated on a website. Content is fed to your desktop, containing headline information and links back to our Electronic Journals service for the full details.

You can receive alerts when new content is added to any journal’s table of contents. All you need to do is drag-and-drop the orange RSS button that you can find on every journal homepage into your RSS News Reader of choice. This will automatically set-up the feed; you may then configure your News Reader to alert you in your preferred way.

For a fuller explanation on how to use RSS feeds and News Readers, please find more information at http://journals.iop.org/RSS.
IOP is always pleased to be represented at international meetings of information professionals.

We like to hear your views on issues facing the publishing sector and discuss how we can help you make the most of your subscriptions.

We invite you to visit us at these meetings where you will be able to participate in demonstrations of our electronic services and take a look at our latest titles.

Please refer to the events calendar below for details of our stand locations.

We look forward to seeing you!

**EVENTS CALENDAR**

- 95th Deutscher Bibliothekartag: 21 - 24 March, Dresden, Germany
- UK Serials Group Annual Conference: 3 - 5 April, University of Warwick, UK
- 12th Annual Conference of the Special Libraries Association: Arabian Gulf Chapter, 11 - 13 April, Muscat, The Sultanate of Oman
- Third Nordic Conference on Scholarly Communication: 24 - 25 April, Lund, Sweden
- Special Libraries Association 2006: 11 – 13 June Baltimore, MD, USA (Booth #1417). Be sure to visit the Pam Suite Daily Retreat. Watch your email and PAMnet for details!

If you would like to meet us at these events, please contact your IOP Regional Manager (full details at [www.iop.org/EJ/enquiries](http://www.iop.org/EJ/enquiries)).

**iPod Raffle at ALA MidWinter Proves Popular Amongst Tech-Savvy Librarians**

Just a few weeks ago, the IOP booth at the ALA MidWinter meeting in San Antonio, TX was abuzz with raffle excitement. Librarians from a wide variety of institutions stopped by our booth to try their luck at selecting one of the keys that would unlock our “treasure chest” housing three iPod Nanos. Though the exhibit hall was enormous and a bit difficult to navigate, a great number of determined librarians made their way to ensure that they learned all the latest IOP news and have their chance at winning a prize.

Saturday started off with a bang when Eleanor Randall of Edinboro University of Pennsylvania selected a winning key just as the exhibits opened! Later in the afternoon after several more tries at the lock, Terri Freedman of Bryn Mawr College was our next lucky winner. Right up until the end of day two we had attendees picking keys to win that one remaining iPod. However, it still remained in the chest throughout all of Sunday with many key turns but none that opened the lock! In between tries at the chest, the IOP team working the booth was quite active, giving countless personal demonstrations on our exclusive librarian channel ([librarian.iop.org](http://librarian.iop.org)) as well as fielding questions on our newest products.

The excitement ran high on our last day of the exhibits with one remaining iPod left in the chest. Several hopeful librarians came by at the last minute, but only one picked the winning key: Ibironke Lawal of Virginia Commonwealth University. Congratulations to all of our winners and we hope to see you at our next exhibit! (See the events calendar above for details).
Q: What led you into science and your chosen area of research?
A: I was very lucky with my teachers in secondary school, Clongowes Wood College. I had two very good science teachers, Billy Campbell and Ben Sherry - but the most inspiring was my maths teacher, Cyril Power, who was over 80 when he taught us. He had carried out an MSc in the Cavendish Laboratory in the 1920s, where he was supervised by J.J. Thompson. I am very privileged to have in my possession Cyril’s original MSc thesis entitled The Electrification of Salts by Friction.

Q: What do you think will be the next big breakthrough in your field?
A: A big current challenge for semiconductor devices is to achieve room temperature terahertz sources. Several routes are being tried to achieve this goal and it will be interesting to see which, if any, will win this race.

Q: What book are you reading right now?
A: Bill Bryson’s A Brief History of Almost Everything. I have enjoyed his angle on the history of physics but am also learning many interesting snippets on the development of life.

Q: If you could have dinner with any 3 people, past or present, who would they be and why?
A: I would enjoy to have dinner with some of the great scientists of the early nineteenth century. Science is a profession now but I have a feeling that it was a passion in those days, and I would imagine that dinner could be lively and stimulating with the likes of Hamilton, Tyndall and Faraday.

Q: What has been the most exciting moment in your career so far?
A: The latest result is always the most exciting. However the most exciting moment of my career was when the Irish government substantially increased its support for scientific research, and I got the opportunity to apply and receive substantial funding from Science Foundation Ireland to move and establish a research group at Tyndall National Institute.

Remember to visit our Electronic Journals website (http://journals.iop.org) to read Professor O’Reilly’s full interview – and those of all the other authors – when this exciting new feature goes live!