

B Cryo

BRITISH CRYOGENICS

B Cryo: December 2011

SEND THIS TO A FRIEND

December 2011

Dear Reader,

Christmas is coming... How about a copy of The History of Cryogenics as a stocking-filler ? Maybe not for everybody, but the British Cryogenics Council is standing by to help out if you run out of other ideas ([contact us](#) for Cryogenics' Little Elves...!) And we should have more book propositions in our New Year issue (like Richard Clarke on Helium).

Before you tuck into your turkey, you might like to book a place or places for you or your colleagues on the new Oxeta two-day Cryogenic Training course being launched in the New Year [the course is being run at the end of January, late February and again in March] Contact John Hill as soon as possible at john.hill@stfc.ac.uk for more detail.

On a different subject, we feel we should acquaint readers of B Cryo with an approach we had from a recruiter last month requesting we consider running a hot-link to a cryogenic vacancy they were seeking to fill. Our response was to offer this facility free to Cluster Members but to make a (modest) charge for non-members - an offer which we now make open to anyone interested. Another option is the LinkedIn site - but B Cryo has more reach.

Coming back to a seasonal theme, we didn't perhaps do justice last month to this year's Cluster Day website created by Zahra Mogul please [click here](#) to view. It's got enough hung on it to be the nearest thing we have to a Cryogenic Christmas Tree.

Merry Christmas and a Happy New Year from all the B Cryo Team !



Cryobank

Did you know BOC had a Cryobank ? [More here](#)

Cold Hydrogen for German Research

Sticking with the Linde Group (they really ought to join The Cluster !) here is interesting news about supply of hydrogen : [More here](#)

Sloshed on LNG

A leading player in LNG transport by ship, BW Gas knows a thing or two about LNG and sloshing : [More here](#)

Cryopreservation of Stem Cells

Oxford University has a patented innovation they'd like to commercialise for cryopreserving pluripotent stem cells : [More here](#)

Must-Watch Film of ITER Assembly

We've had a lot on ITER, but this 7 minute clip really is worth seeing : [More here](#)

New Cryogenic Temperature Controller

Oxford Instruments claims this new product is extremely accurate. It has set up a new business unit with a focus on its development : [More here](#)

Let's Talk Cryomicrotomes...

Don't feel shy about dialling up Wikipedia (the Editor did). And [click here](#) for more information about how the cryomicrotome is a tool of the trade for research into Alzheimer's.

Circularly Polarized Radiation

Attention to heat leaks was key to a double helix undulator magnet with potential application on the ILC, reported by physicsworld.com : [More here](#)

Lawyers Like Cryogenics Too

Big Projects earn Big Fees. And they don't come much bigger than the multi-billions in LNG. Interesting to learn the \$18 billion Papua New Guinea LNG project earned 'Deal of The Year' awards last year : [More here](#)

Firing Frozen Deuterium-Tritium Pellets into a Tokamak

Sounds fun, going from 11 to 200m K - Oak Ridge National Lab leads this key US contribution to fuelling & plasma instability control on ITER, using General Atomics' research tokamak in San Diego. [More here](#)



Training in Frozen Food

Oxfordshire is not just the hub for The Cryogenic Cluster; it's home to a constellation of other world-class research establishments - like Campden BRI, whose course on Frozen Foods can be found [here](#)



CryoBiz

Seeing companies, like [Cape](#) and [IMI](#) announcing their results has given us the idea of creating a business index of cryogenic exposure. More to follow in the New Year.

Cluster Activity

If you missed it, there's some Cluster Day PR [here](#) and [here](#).

The Q4 Cluster Working Groups all made big strides forward in November. In the Skills area, Oxeta launched their new Cryogenic Training Course. Southampton University put forward the structure of their eight-lecture Module on Cryogenics. And Paul McDonald is looking for volunteers to join him revising the current BCC Safety Manual [here](#).

David Cooke could use some reinforcements in the Marketing Group - he is shouldering a disproportionate portfolio of activities to promote the Cluster, from UKTI literature to the LinkedIn website and presentations at BCGA. Lots going on for the benefit of The Cluster !

Bill Graham's Technical Group (attended by new BCGA Technical Manager Jake Lake) has assembled an impressive compilation of Cryogenic Engineering Standards for the group to work through - and we've been invited to participate in ASTM cryogenic standards work too.

Other Events

If you haven't been to Edmonton in February, it can get pretty cold (-40 degrees on either scale). So what better venue for 'Extreme Cryo 2012' ? More detail on this Biopreservation event [here](#).

The lectures by Professor Dirk van Delft trailed in the previous issue of B Cryo took place at Daresbury and Rutherford Appleton Laboratories. The Professor gave a first-class talk on the history of Kammerling Onnes' discovery of superconductivity in the

Cryogenics laboratory in Leiden - where the Professor's Museum Boerhaave sounds like a must-visit destination.



There's more on events at the [BCC website](#). And set your clocks now for Cluster Day on September 26th, with GasTech in London the month after.

New Members

If you haven't already joined, you're very welcome, as a regular reader of B Cryo at no cost, as an individual member of BCC (£10 pa) or a Corporate Member of the Cluster & BCC (starting from £50 pa).

Cluster Membership is exclusively British, and requires corporate membership of the British Cryogenics Council. BCC however is also open to Individuals and International Members, who can join the BCC with the click of a mouse [here](#).

Distribution

Your friends, customers & networks can receive B Cryo - either supply your mailing list in total confidence to [Appletree Marketing](#) who independently maintain the distribution list or point them [here](#) to sign up themselves.

Feel free to pass on B Cryo to anyone you think should get it - and don't forget you can download previous issues from the home page of the BCC website at www.bcryo.org.uk

LinkedIn

B Cryo readers are also welcome to join the thriving British Cryogenic Cluster group on LinkedIn by [clicking here](#).

Contact

If you want to get in touch, if there's anything you'd like to share, or anything you'd like us to report, please contact us cluster@bcryo.org.uk. We look forward to hearing your news !

Feedback on B Cryo is welcome too. Please let us know what you think, what's useful and what you'd like included in future editions.

www.bcryo.org.uk

clusternews@bcryo.org.uk



British
Cryogenics
Council

You have received this issue of our newsletter because you requested it or I thought you would find it useful. If you would rather not receive any more issues, please [follow this link](#).

If this issue has been forwarded to you and you would like to receive regular issues, please [follow this link](#).

