

# B Cryo

BRITISH CRYOGENICS

B Cryo: January 2012

SEND THIS TO A FRIEND

January 2012

Dear [\[\[name\]\]](#),

Happy New Year from all the B Cryo Team ! We hope you had a great Christmas and start 2012 like an Olympic athlete ! Congratulations to Jonathan Flint, Oxford Instruments' CEO, on his flying start - with a CBE in the 2012 New Year Honours List !

John Hill has just been sighted back from Tenerife by the way, so you can book places (discounted for BCC Members) on the new Oxeta two-day Cryogenic Training course on Jan 31/Feb 2 if you're quick. Contact [John](#) fast!

## Cryogenic Hair of the Dog

Anticipating B Cryo readers' needs in January, David Cooke put forward this [recipe](#) for liquid nitrogen eggnog ice cream.



## B Cryo Clips



### Winner : Highview Power Storage !

Congratulations to Technology & Innovation Winner Highview in [The Engineer's 2011 Awards](#). Matteo Maino presents the Highview Power Storage story [here](#). He mentions the Dearman Engine Company spun out of Highview - read how they plan to power vehicles with liquid nitrogen [here](#).



### Cryogenic Carbon Capture in Spain's 'City of Energy'

Air Liquide is providing the Cryogenic Purification Unit at the CIUDEN pilot plant. The idea is to concentrate, purify and store



large quantities of CO2 underground, [More here](#).

#### 'Wearable' MRI

Fraunhofer Scientists in the INUMAC project, arising from a Franco-German initiative, have developed compact MRI designs using low noise gallium arsenide chips, one option being an 'MRI helmet' [more here](#).



#### Chris Pulker Goes to Hollywood

The first minute of the video [here](#) features Chris Pulker at Cluster Member STFC Cryogenics describing his work at Rutherford Appleton Laboratory



#### Superconductivity Star Sums Up

Emphasising how lucky attendees were to hear Martin Wilson recently in the UK, this link refers to Martin Wilson's address to ITER staff on the century of superconductivity and half century on superconducting magnets, [more here](#).

# He

#### F1 Saves Helium

From Helium Guru Richard Clarke comes this news, which will no doubt put helium-hunters' minds at rest, [more here](#).

## B Cryo News

### Book Time

The response we had from last month's B Cryo indicates there's an appetite for books, and here's the link for the much-awaited [book on helium co-edited by Richard Clarke](#). One message Richard is keen to get across is to "keep using helium" – it's a case of use it or lose it.

### B Cryo Jobs

Oxford Instruments took us up on the offer in last month's B Cryo to carry links to cryogenic job opportunities. Put cryogenic in as the [keyword here](#) and it takes you to them.

### B Cryo Business

Last month we said we'd take a look at the exposure FTSE-listed companies have to cryogenics, and in the Top 100 it looks like we have Food Processing

(AB Food) Manufacturing (BAe Systems, GKN, Meggitt & Rolls-Royce) LNG (BG Group & BP) Cryo Preservation (Glaxo Smithkline) Cryogenic Valves (IMI) Engineering (Petrofac) and Detection Systems (Smiths Group). This is just a first look; we aim to develop the analysis. Some activities are notable by their absence : if you expected to see the industrial gas segment, it's missing on account of foreign ownership - which is perhaps a pointer for the analysis to take an international dimension next.

## Cluster Activity

Q1 Cluster Meetings get under way in February :

- The Skills Group at Siemens Magnet, Eynsham on Tuesday 14<sup>th</sup> at 3pm
- Next Marketing day at Harwell is Wednesday Feb 15<sup>th</sup> at 2pm
- And the Technical Group meets in Culham on Thursday 16<sup>th</sup> at 9.30am

## Other Events

ICC *Really* Goes to Hollywood

International Cryocooler Conference ICC 17 takes place in Los Angeles in July, [more here](#).

## New Members

While CCFE (the Culham Centre for Fusion Energy), FMB Oxford, Highview Power Storage, MRC-Harwell (the Medical Research Council Centre near Oxford) and Oxford Brookes University have all joined the BCC (more in the Winter issue of Low Temperature News) we are also delighted to welcome the University of Leicester to both BCC and The Cluster. The Space Research Centre at Leicester carries out a broad programme of research supported by a dedicated cryogenics laboratory. [More here](#).

## Distribution

If you'd like your friends, customers or networks to receive B Cryo, you can supply your mailing list in complete confidence to [Appletree Marketing](#) who independently maintain the distribution list for B Cryo. Or you can point them to sign up themselves [here](#). Do pass B Cryo on to anyone you think should get it. You can also download previous issues from the home page of the [BCC website](#) (though we've got a bit of catching up to do here).

## LinkedIn

B Cryo readers are also encouraged to tune into the lively traffic on the 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, anything you'd like us to report, or any feedback (good or bad, or suggestions for future editions) [please contact us](#). We look forward to hearing from you !

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