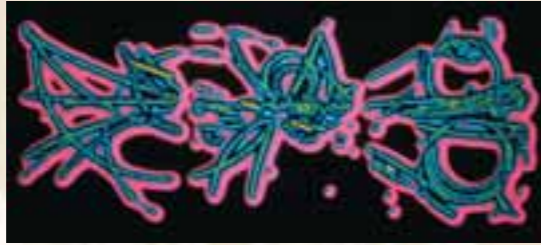




# I N N E R   S P A C E   O D Y S S E Y

*An adventure in science and art*



# I N N E R   S P A C E   O D Y S S E Y

## *An adventure in science and art*

One of the greatest scientific adventures of the 20th century discovered a place that almost defies imagination - the heart of the atom, or "inner space".

For the "Inner Space Odyssey" project sixth-form art students in Oxfordshire schools were invited to be inspired by these worlds that none of us can see directly. The challenge was to illustrate in any medium their vision of "inner space".

A panel of art and science specialists selected twelve works that in their view best evoked the concept. In these works, which vary from an imagined blackboard of mathematical equations to delicate watercolours and bold ceramics, each artist has found a different way to illustrate the theme. Together they form the "Inner Space Odyssey" exhibition, illustrated in the following pages, where each image is accompanied by a brief description. Also illustrated are the other works submitted to the project.

### Participating schools

The schools that chose to accept the challenge are:

- \* The Cherwell School, Oxford
- \* Didcot Sixth Forms
- \* The Henry Box School, Witney

They each received a grant of £200 towards materials, provided by a Small Award for the Public Understanding of Science and Technology, from PPARC, the Particle Physics and Astronomy Research Council.

A virtual exhibition of all the works can be seen at:

<http://www2.physics.ox.ac.uk/documents/innerspace/innerspace.htm>

### Exhibition locations

- \* "Portrait 2000", Blenheim Palace, Oxfordshire (July 2000)
- \* The Ruskin School of Drawing and Fine Art, Oxford University (September 2000)
- \* The Royal Institution, London (October 2000)
- \* The Institute of Physics, London (October/November 2000)

### The Selection Panel

- \* **Cyril Band**, former Head of the Physics Photographic Unit, University of Oxford
- \* **Nicola Fulcher**, art teacher, on behalf of Oxfordshire Education Service
- \* **Sera Furneaux**, Ruskin School of Drawing and Fine Art, University of Oxford
- \* **Chris Jones**, freelance designer and former Art Editor of New Scientist

Project conceived and organised by Christine Sutton and Wendy Fuggles, University of Oxford, with the co-operation of Arthur Penn, Oxfordshire Education Service.

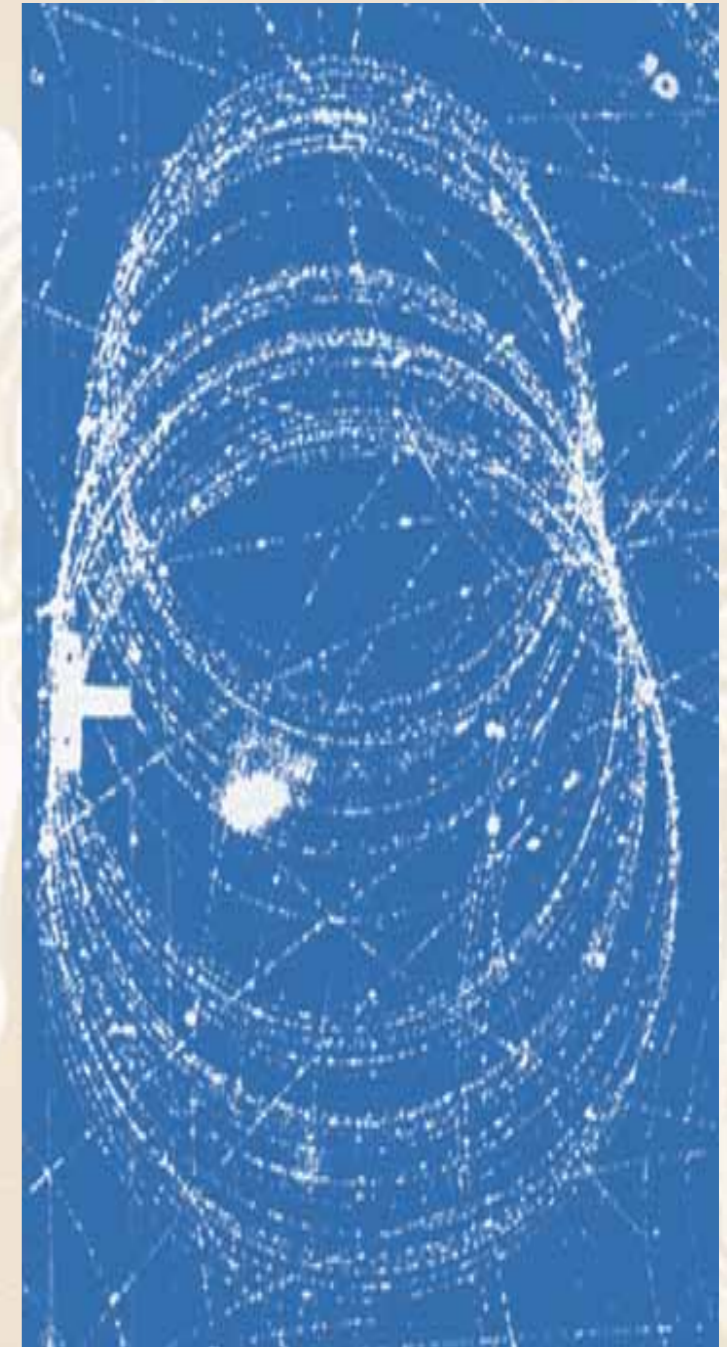
Exhibition photographs by the Physics Photographic Unit, University of Oxford

Front cover photos: Igor Liubarsky, Rutherford Appleton Laboratory, and CERN Photo

Back cover: Ernest Orlando Lawrence Berkeley National Laboratory and CERN Photo

Brochure design by Richard Wise

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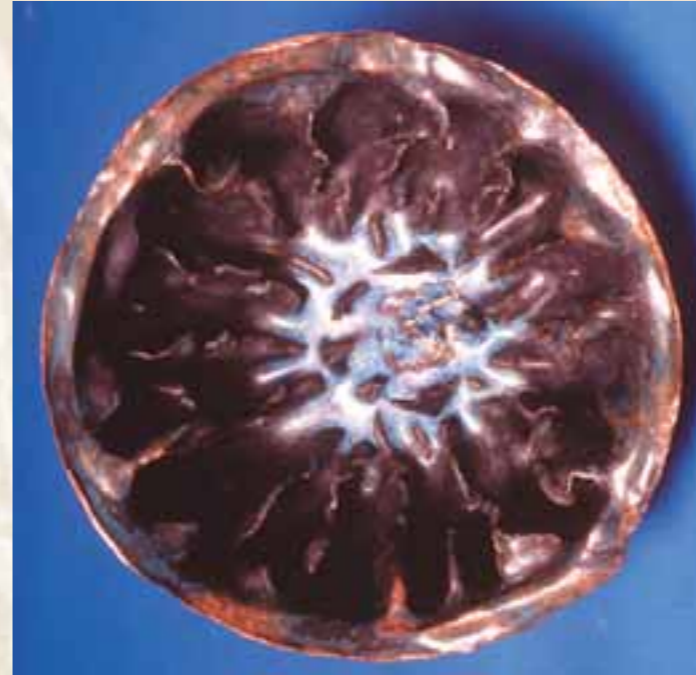




## Lauren Bibby

### *Didcot Sixth Forms*

Lauren has built a section of table top. At a certain point, the solid table dissolves into an "inner space" as we imagine looking deep into its structure to see the forms within.



## James Bryan

### *Didcot Sixth Forms*

James has used the idea of looking inside a form to discover the "inner space". From the outside the shape remains a container; from within, it resembles an organic structure that may still grow.

## Shelly Morgan

### *Didcot Sixth Forms*

Shelly has made two boxes that contain pellets of clay and porcelain. Some of these "atoms" spill out to form their own structures. The "inner space" is unstable due to the asymmetrical position of the parent forms.



"What would you choose?"

## Rose Wantanabe

### *The Cherwell School*

The diptych focuses on matter and how all things exist through the structures built upon other structures, all that differentiates these is the ability to actually see them at work. Emotion or science, which would you choose?







"The Atom"  
**Amanda Taylor**

*Henry Box School*

Watercolour and ink depict reactions occurring between different atoms, and the formation and structure of atoms.



"Life, the Universe and Everything - Eververse 2000"

**Alex Scott-Whitby**

*The Cherwell School*

Artists crave individuality and difference. The individuality of atoms became the means by which I created images that reflected this craving, exploiting the ways in which atoms in the disguise of paint could move and record the actions of the artist, thus freezing time.



"Linger"  
**Mary Sholl**

*The Cherwell School*

I wanted to create a piece that represented molecular structures in relation to human anatomy and everyday life. I proceeded to make a delicate and intricate collage and sculpture which conveys the fragile qualities of these structures that at the same time support us and give us life.

"Spherical Imagination"  
**Gabriella Macaro**

*The Cherwell School*

Following the example of the works of Gino Severini, the Italian Futurist painter, I focused on circular forms to suggest the smallest component of the universe, the atom. The painting attempts to harness time, space and gravity.



These pages illustrate the other pieces submitted to the Inner Space Odyssey project. To find out more about them, see the web:

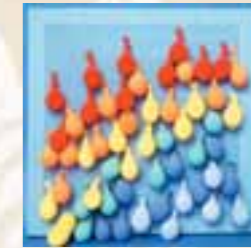
<http://www2.physics.ox.ac.uk/documents/innerspace/innerspace.htm>



"3 Landscapes"  
**Hannah Werdmuller**  
*The Cherwell School*



**Amy White**  
*Henry Box School*



"Fidget"  
**Bridie Ashton**  
*The Cherwell School*



**Sarah Baker**  
*Didcot Sixth Forms*



**Claire Hubbard**  
*Didcot Sixth Forms*



**Nick Hamblin**  
*Didcot Sixth Forms*



"Planets"  
**Lucy Cox**  
*Henry Box School*



**Karen Wilson**  
*Didcot Sixth Forms*



"MRI"  
**Gugu Mbatha-Raw**  
*Henry Box School*



**Jenny White**  
*Didcot Sixth Forms*



"Chairman"  
**Geoff Glees**  
*The Cherwell School*



**James Allen**  
*Didcot Sixth Forms*



**Hannah Cottrell**  
*Didcot Sixth Forms*



**Lee Stark**  
*Didcot Sixth Forms*



**Karina Orlando**  
*Didcot Sixth Forms*



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