

2011 Kemeny Undergraduate Lecture



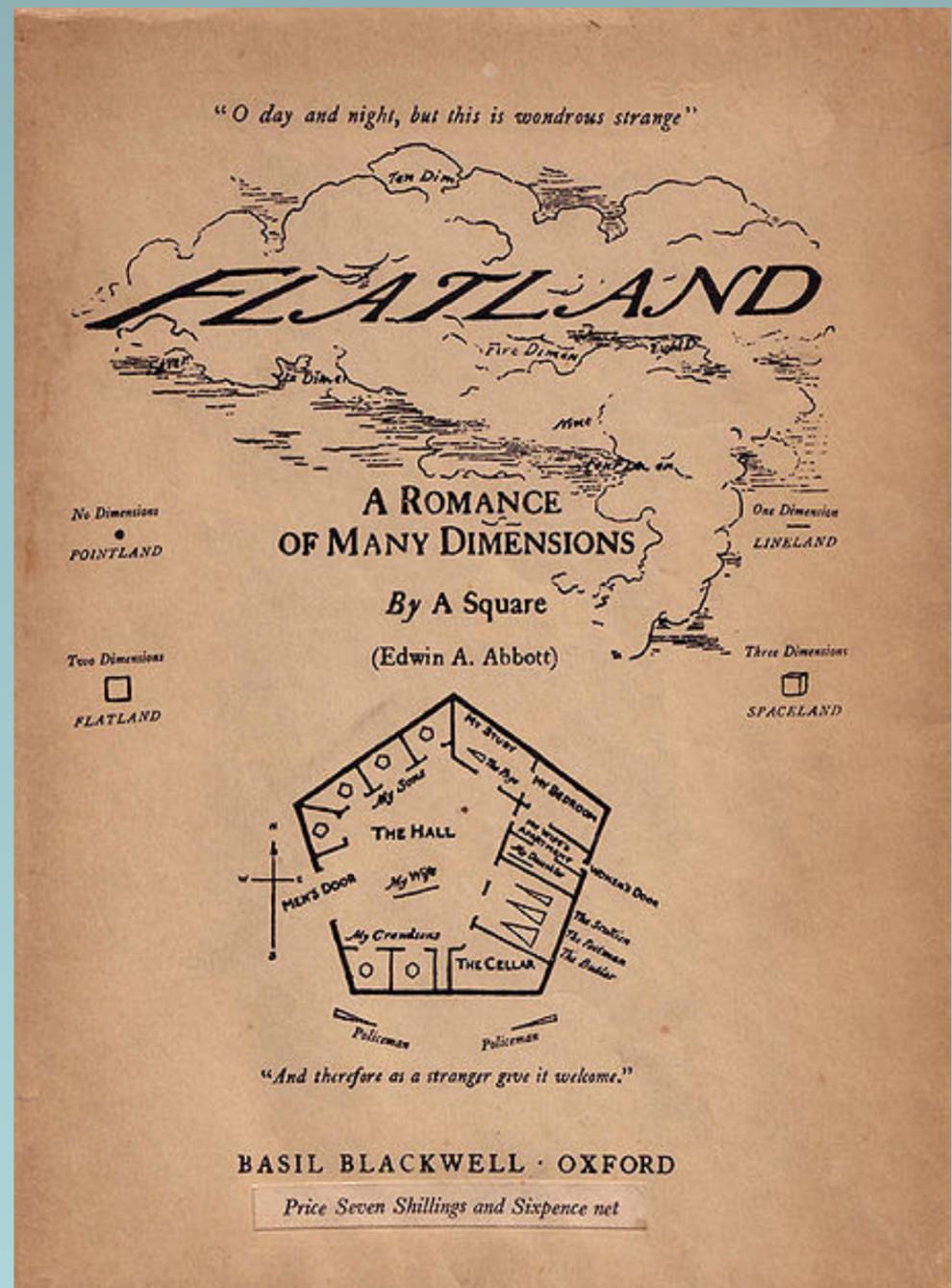
PROFESSOR VAUGHAN JONES
University of California, Berkeley
and

The University of Auckland

Vaughan Jones is Co-director of the NZIMA. He received the Fields Medal (the mathematical equivalent of the Nobel Prize) in 1990, the 2007 Prix Mondial Nessim Habif from the University of Geneva and many other honours for his work. Among these, he was awarded a Guggenheim Fellowship in 1986, and elected a Fellow of the Royal Society of London in 1990. In 1993 he was elected to the American Academy of Arts and Science, and in 2002 he was made a Distinguished Companion of the Order of New Zealand.

Flatland, a great place to do algebra

Edwin Abbott, an English non-mathematician of the Victorian era, wrote a book called "Flatland" about life in a two dimensional world, and its hero's travels to other dimensions. I will use this dimensional voyage to relate one of my own which will go from one dimension to infinitely many, then settle solidly in two dimensions. The quantum world in two dimensions is even more bizarre than in three dimensions and the algebra we will encounter is being used in an attempt to build a quantum computer based on these very peculiarities.



Monday, April 11, 2011

7:00 - 8:00 PM -- Filene Auditorium, Moore Hall

Everybody Welcome!

For more information:

<http://www.math.dartmouth.edu/activities/kemeny-lectures/>