Stephen Hawking's universe Physicist Stephen Hawking the world-famous author of A Brief History of Time – has been almost completely paralyzed by motor neurone disease for 25 years. Hawking, 67, is renowned for his work on

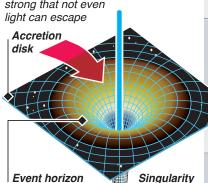


- Jan 8, 1942: Born London, England 1963: First diagnosed with motor
- neurone disease while at Oxford 1966: Completes doctorate and is

black holes, cosmology and quantum gravity

- awarded fellowship at Cambridge 1968: Publishes highly-technical
- Large Scale Structure of Space-Time
- 1970: By integrating cornerstones of modern physics - Newtonian Gravity. Albert Einstein's General Theory of Relativity and quantum theory - Hawking proposes that black holes can emit radiation. This is supposed to be impossible

Accepted theory: Black holes are regions of space where gravity is so strong that not even



Point at which nothing can region of escape - black infinite

Theoretical hole becomes density and pressure

■ 1974: Hawking radiation theory published in journal Nature. Hawking argues that black holes glow and lose mass, eventually evaporating away in steady stream of featureless radiation

1976: Hawking argues that when black hole disappears all information about everything that had ever been inside hole disappears too. This leads to Black Hole paradox: If information is lost forever then science can never know the past or predict the future

1985: After catching pneumonia he undergoes tracheotomy. Unable to speak naturally - communicates with head-controlled speech synthesizer

1988: A Brief History of Time published, becomes instant best-seller

1993-2002: Writes books, essays and scientific articles explaining ways in which universe may be governed, basis of existence, and theories of recent breakthroughs in physics

2004: Announces he has solved Black Hole paradox. At Dublin conference Hawking presents outline of proof that information within hole is not lost

2009: In spite of failing health Hawking continues working on

mathematics of his proof Professor Hawking has three children by his first wife, Jane, from whom he separated in 1991. He was divorced from his second wife, Elaine, in 2006

invisible