

Noises Off (very, very loud ones)



Atomic debate... Marsh, Burke and Kestelman in Michael

ayn's piay about nuclear physics ThisTHAMI

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ICHAEL Frayn has always been a philosophic enquirer, and his dazzling new play Copenhagen is a logical extension of everything he has done before.

He starts from a lear dried and the starts from a lear dried and the start from a learn from the forman atomic bom project, went to visit Niel Bohr, his private father-figur and Europe's leading quan de Europe's leading quan between them? What id the talk about? How did it affect he future of mankind? Afte all, the German project was later went to Los Alamos an participated in the development of the atomic bomb.

It's a brilliant starting poin for a play, and Frayn offers ne ther a docu-drama nor a defititive answer but a exploration of what Helse berg calls "the final unce tainty at the core of things We meet only Heisenber Bohr and Bohr's wife, Ma grethe, who acts as our reprsentative in that she demand an explanation of scientif etail in layman's language.

That we see are three characrers, from the vantage-point of
ternity, replaying the endless
ossibilities of the collision
tween these human parti-

What Frayn does superbli is suggest a crucial equation between science and character. Heisenberg is famous for the uncertainty principle: this deat that the more accurately you know the movements of a particle, the less accurately you know its velocity and vic versa. Bohr went on to derive from this the theory of complementarity; that, if I under stand it aright, mutually exclusive pairs of measure

part of quantum mechanics. But the vital point is the driBut the vital point is the drithe two physicists become the
embodiment of their theorie
Heisenberg's whole position i
Denmark is marked by unce
Bohr's brains about nuclea
fission, to seek absolution for
his work on the bomb, or t
show off to his surrogat
fatter the bound of the control
plemontary phenomena: in his
productive marriage, in his
modification of the control
modification of t

scientis has the moral right to work on the exploitation of atomic energy. Given today's terrifying headlines about nuclear tests in Pakistan, the question has lost none of its drama, Frayrn presents us with a fascinating dilemma: was the saintly seeming Bohr, who eventually worked at Los Alamos, morally superior to ment of a German bomb was impeded by his failure to apply a crucial diffusion equation to uranium 2357 Do we judge people by their notives or the control of the control of the control of the control of the comply a crucial diffusion equation to uranium 2357 Do we judge people by their notives or the control of the co

breaking new ground, the play is also is an atural extension of the same is also is an atural extension of the same is also is a trained and in the same is that "the world plainly exists independently of us and yet it independently of us and yet it frough our consciousness of it". And out of our attempt to impose our ideas upon the world Frayn has created a plays. In Noises Off we see actors winly struggling to create order through the complex nearest constant of the same in the sa

Copenhagen finally strikes me as a humanist play about science: one that recognises equally the darkness in the human soul and the preciousness of earthly life, and that need to be a superior of the season of the

Billington Guardian Copenhagen



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