

And the laws of CASUALITY go to the bin!!!

HAWKING

Roger I have a confession to make!!!

I find it difficult to believe that we have no FREE WILL!!!

It may be irrational of me, because EINSTEIN clearly shows that the future is already out there!!! However I Struggle deep down, to live with this idea!!!

Thank GOD for Heisenberg and his Uncertainty Principle!!! I find reassurance and Comfort in Quantum TIME, for it shows that the future is not out there!!! Quantum Mechanics Tells us that chaos dominate all the dynamics of the worlds!!! And that nature has no clue in what to Do!!! In fact, Nature can never decide what to do next!!! In a sense Quantum Mechanics save us, from a pre determined Universe, giving us back our FREE WILL!!!

PENROSE

I too have a confession to make, Stephen!!! I too have lots of troubles in accepting a relativistic

World!!! I can not come to accept that, Just because the Planet MARS is out there, Next week is out there too!!! Uhm!!! .. It's all so confusing..... and.. Difficult to grasp!!!

I mean... Mars is still out there....you see... and.. ...eheheh..eh..

Why should be any different to say that.....next week is out there....

Uhm...eheh..eh.....mars...there... Mars is still out there.....

HAWKING

Yes Roger you are confused!!! But you know, science tell us that we must not distinguish between

Present, past, and future!!! So don't be silly now and think positively, in TIME your confusion will evaporate, like particles in my mathematical prediction, known as HAWKING RADIATORS I... AM... ALSO... VERY... CONFUSED... BUT... WE... MUST... NEVER... STOP... THE... MAKING... OF... STAR... TREK...

PENROSE

Stephen, have you ever asked yourself Why we can only remember the past, but we do not ever remember the future moments of our lives???

HAWKING

You see my dear ROGER!!! There are 3 arrows of TIME!!! One, is the Thermodynamic arrow, in which disorder or Entropy increases. The second one is the Psychological arrow of TIME, this being the Direction in which we remember the past but not the Future. And finally the third arrow of TIME the Cosmological one, this being the direction of the Expanding Universe!!! All the arrows point in The same direction!!!THAT....IS.....WHY.....

PENROSE

Uhm....I see. I must admit that since I lost my beloved mother I find the idea comforting in Believing that present, past, and future coexist!!!

In a sense, such idea, give me a feeling of eternal being, and that my mother in a sense is alive out there!!!

HAWKING

Yes, My dear Roger!!! YES, TIME the agent of decay is only an illusion!!!

Said once the father of mother Physics!!! TIME he said, can not longer be considered as a rigid frame But a dynamic quantity, bending, warping, and stretching like a rubber band!!! In TIME future generations will make use of this property of nature and travel in the past!

PENROSE

Yes, Stephen we will also make YO, YO'S with the Fabrics of TIME!!! Stephen, I have another confession to make!!! I have serious reservations as too the real possibilities of travelling in the past!!!

HAWKING

....WHAT...IS....THE....MATTER...NOW...ROG..... what kind of reservation you could possibly have my dear ROGER!!! YOU KNOW THAT THE THE MATHEMATICS OF THE SPECIAL AND GENERAL RELATIVITY ALLOWS US TO DO THAT!!!