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CONTINUATION OF MR. LUCAS'S PAPER ON 'MATTER IN THE UNIVERSE'

(Part 2, 61/57 – paras. 1–10)

11. Now of all these many states of matter only four are known to Man; and it is difficult for him to believe in the existence of other states of matter above him in the cosmic scale. Living matter, for him, begins with the cell. But for other entities, other states of matter are just as real. For the Sun, for instance, planetary matter is as real as cellular matter is to Man. For Nature it is living matter that has a real physical basis; for the Galaxy it is the starry world that is real, and so on.

12. And as new states of matter come into existence for larger entities in the cosmic scale, so other states of matter disappear from view. Matter in the atomic state, for instance, no longer exists for the Earth. An atom is too small to exist for the Earth – a molecule is the smallest element that has any meaning; so molecular matter is the finest state of matter that exists, on the scale of the Earth.

13. Molecular matter is therefore a much finer substance for the Earth than it is for us. In fact, every state of matter has quite different properties – is actually a different substance – for different entities in the cosmic scale. Molecular matter is one substance for the cell, another substance for living creatures, a third for Nature, a fourth for the Earth, and on the scale of the solar system it no longer exists – it is too fine. A clear example is the air we breathe, which is actually a quite different substance on each of these four scales.

14. Now this idea – that ordinary matter, such as the air we breathe, is actually a different substance for different entities in the cosmic scale, is a very important clue. Why is it that simple things in the world around us contain so many miraculous properties? Artists, poets, even ordinary people like ourselves know of these hidden properties of things; why is it that science cannot explain them?

15. The answer is simple – they are properties of matter as it exists in relation to a larger world. The matter we know, in its relation to other worlds, has quite different properties – properties which to us are miraculous. Science recognises the existence of finer, more energetic states within a given state of matter; but this idea – that one and the same state of matter has different properties for different worlds – is something science has never discovered.

16. Let us consider the properties of air, from this point of view. Their number and their variety are unbelievable. First, there are all the properties of air connected with respiration – the strangely complicated processes within the organism which enable the cells of our bodies to obtain oxygen, processes which science cannot fully explain. These are the physical properties of air – its properties in relation to the cell. Then on a larger scale there is the breathing of living creatures. In this sense air is vital energy – is 'breath' – for it enables plants, animals and bacteria to live. Through the delicate balance of carbon dioxide and oxygen, its vital properties are maintained. To the next scale belong all those properties of air connected with our environment

– the storing and distribution of warmth and humidity in the atmosphere, barometric pressure, climatic conditions, vibrations, scents, colours, even light itself, which could not exist without the presence of the atmosphere. These belong to Nature – they are the substance of which her inner impressions – her sensations are made. They are connected with her moods, her inner atmosphere; and in this sense air is quite a different substance – it has psychic properties, and is correspondingly finer and more energetic. And then on the largest scale, there is the whole of the atmosphere surrounding the Earth, encircling her like a halo of light; collecting and absorbing the Sun's rays, storing some and dispersing others, protecting Nature from the more powerful radiations, allowing the vital rays to pass. It is this property of air which enables the Earth to respond to the delicate influences reaching her from outer space, and in her turn to transmit her own influence to the worlds surrounding her. This is the property of air connected with consciousness – with the higher impressions the Earth receives.

17. If all these miraculous properties belong only to one state of matter – if equivalent states of matter exist on every scale in the Universe, no wonder we sometimes begin to feel a sense of the infinite in the world around us! If we knew how to look we could find the same miraculous properties in everything!

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18. Now the reason air has so many miraculous properties is that its field of action extends over four very different scales. Air is essential, not only for cells and living creatures, but also for Nature and for the Earth as a whole. Although it is the same air, and would if analysed contain the same ingredients, yet it is actually a different substance on each of these four scales, with quite different properties.

19. And the same is true of all states of matter – they each have four fields of action – they each operate on four different scales. On the first, the nearest scale, it is simply the physical properties of matter with which we are concerned; on the next scale it is the vital properties, i.e. matter on this scale is life, or 'breath'; on the third scale it is the psychic properties – the properties connected with intelligence; and on the fourth, the largest scale, it is the creative properties of matter – the properties connected with consciousness.

20. We are reminded of an ancient idea that matter consists of four degrees – Earth, Water, Air and Fire. But it is only in our System that we find this idea clearly and simply expressed. The System says that matter, in its physical aspect, is hydrogen; but that the same state of matter, taken in relation to other states of matter, can act in the capacity of oxygen, or nitrogen, or carbon; and that in each case its density, and the effects of its action are different. This is the Law of Three Forces; and here we are taking it on a very big, a cosmic scale. But of course it applies to everything, great or small – not only to every larger thing in the world around us, but also to every tiny part of ourselves, down to the smallest detail.

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Once we have established in our minds the cosmic order of these different states of matter, it becomes possible to study Man in his relation to each.

21. Now as he exists in living matter – in his natural surroundings – Man's physical body is large enough to have a certain meaning and purpose; in fact it is the basis of his perception – the yardstick by which he measures the world.

22. But as he exists in organic matter – in the world of organic elements surrounding the Earth – Man's body at a given moment does not count – it is too small. It is only his existence in time – that which belongs to his whole lifetime, that counts.

23. And as he exists in planetary matter even Man's whole lifetime is not permanent enough. It is only that which belongs to recurrence – that which is his very nature, his material Essence, that counts.

24. And in the next scale of matter – in solar matter – even Man's recurrence is not big enough. It is only that which is beyond recurrence – the realization within him of all that he could be, that has any significance.

25. So in each state of matter it is a different part of Man that counts; and only in his relation at one and the same time with all these four states of matter is he complete.

Dr. Roles writes:

26. In man as created by Nature only one of these four states of matter is fully organised; he possesses only one *body* – his 'carnal' or 'physical' body; so he is mortal. To enjoy Immortality three other bodies must be created one within the other.

27. 'As he exists in organic matter – in the world of organic elements surrounding the earth – man's body at a given moment does not count' – it is too impermanent and uncontrollable. To exist in that world as a permanent entity he must have created the *Second Body* – the '*Planetary*' or '*Natural*' *Body*.

28. 'And as he exists in planetary matter even man's whole life-time is not permanent enough'. He has no memory, he lives again and again, but he does not *remember*. To *Remember*, the *Third Body* – the '*Mental*' or '*Spiritual*' *Body* must be created.

29. 'And to exist in Immortality for ever beyond recurrence, a man must have developed the *Fourth*, the '*Causal*' or '*Divine*' *Body*. Only then can he be called 'Immortal, within the limits of the Solar System'; only he has Will and can Do. It is said that he may form part of the guiding light of Cosmic Consciousness as Guru, or Master, of those of his followers who formed permanent contact with him during his life on earth; or that he may choose to reincarnate into the past to help humanity at some important crossroads in further cycles. That is why the relation between aspirant and fully Realized Man is the most important of all human relationships.

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(C. L. continues):

30. Now in each of these four states of matter Man comes under different laws. In the first state of matter, in living matter, Man is under the Law of Accident. Physically, he may survive for a while, or he may disappear. Anything can happen at any moment.

31. In the second state of matter, in organic matter, Man comes under the Law of Cause and Effect. This is because time enters into the scheme of things – it is the sequence of events within his lifetime – the shape of his life, that exists in this state of matter.

32. And in the next state of matter, in planetary matter, Man comes under the Law of Fate. It is the repetition of his life, that which exists beyond his lifetime, that belongs to this state of matter.

33. And on the largest scale, in solar matter, Man comes under the Law of Will. It is those possibilities which are beyond recurrence – which have not happened before, that require Will. And in so far as a man exists in this state of matter, to that extent will his possibilities be realized.

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34. In the same way any other entity can be studied in relation to states of matter above it in the Cosmic Scale. Cells, for instance, have quite different characteristics on each of these four scales, and come under different laws. In cellular matter – in living tissue – they exist in large numbers, and have no significance individually. But in living matter – in the world of living creatures – it is the individual germ cell that counts. In the germ cell, wound up like a spring, causes are hidden – causes which sooner or later reveal themselves in the characteristics of living creatures. The phenomenon of the germ cell is a beautiful example of the Law of Cause and Effect, and the essence of it is time – movement in the Fourth Dimension.

35. In the larger world of organic matter – in relation to the biosphere, the cell only exists in recurrence. Now it is a curious thing that nerve cells, unlike other cells, remain unchanged as long as the body lasts. In comparison with tissue cells, nerve cells are eternal – they exist for ever, so to speak. In consequence of this, their existence is subject to different laws. They do not, for instance, reproduce and grow, and replace themselves like ordinary tissue cells. Whether they actually exist in the Fifth Dimension – in recurrence – is difficult to prove, but there is certainly a great difference between them and ordinary cells.

36. On the scale of planetary matter, the cell, if it has a place at all, exists only in the Sixth Dimension. This would imply some further extension of existence beyond that of the nerve cell – an existence in which every possibility belonging to the cell could be realized. Is it possible that brain cells, or even perhaps certain special cells which belong to a particular area of the brain, could fulfil this requirement? Clearly, such cells once again would be under quite different laws. Instead of reacting, they would be able to initiate actions. Possibly, under certain conditions, they would be under the Law of Will.

37. One thing is clear – in spite of all the research, we still know very little about the cell! Yet we have arrived at a new classification of cells, into four broad headings – tissue cells, germ cells, nerve cells and brain cells; and these correspond in a very remarkable way with the corresponding divisions of Man's nature.

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