

# “MIND AND THE NEW PHYSICS”

*A review of the book, by Paul Whitehead, FSR Consultant*

**A**FTER his successful *“Taking The Quantum Leap”*, Prof. Fred Alan Woolf has written an equally engaging book in *“Mind And The New Physics”* (Heinemann, £14.95).

Evolution, he states on page 171, has a plan “to make all matter conscious.” Consciousness is continually battling with Mother Nature, which is forever telling it to “stop thinking — it’s perfect just as it is.” But consciousness speaks up: “If you could only realize yourself beyond the barriers of spacetime, beyond the barriers of time, beyond and beyond . . .”

Thus, Woolf upsets many conventional scientists yet again. But many conventional scientists believe in God — what a paradox!

More baffling still in what is admittedly in part a difficult book for the layman to comprehend, is a comment on *memory*. “Where is memory stored?” Woolf asks. *“The amazing answer is, nowhere and everywhere. Another way to put this is to say that memory is holographic, with the universe playing the part of the complete hologram.”*

There are more than shades here of what FSR has already reported about the so-called “holographic universe”. And as readers of FSR should by now know at least a little about Quantum Mechanics (the new physics), you may not mind if I quote another line or two from Professor Woolf’s book.

“Memory is contained as the stable quantum wave patterns throughout the realm of nature. These patterns are self-reflections reinforcing themselves through trapped consciousness by continued observation, using repeated operational procedures or repeated patterns of complementary observables.”

There is a hint of the quantum world of universality or “oneness”, in which consciousness has the ability to “know” what is happening elsewhere in the universe.

Prof. Woolf attacks conventional science for assuming that a “real physical world exists” and for basing its theories on that tenet.

*“This sacred tenet is plain nonsense”,* says Woolf. *“There is not the slightest shred of evidence that proves the existence of a physical world acting independently of human thought.”*

Mystics, some scientists and certainly some religious people, as well as those with an open, enquiring mind, might not disagree with that. But it begs the question, “Is the world which we have created with our minds affected by the thoughts of other intelligences?” Do various “realities” created by different

intelligences co-exist and inter-react?

These questions are addressed by the professor. In a chapter on Parallel Universes he argues that the entrance of consciousness into the physical “plane of existence” is a “rather dramatic disturbance”.

Consciousness thus creates a reality for the observer, and in doing so changes the same consciousness that created the reality. Aligned with these concepts is the suggestion that *atoms are not “things”*; *we only give atoms a physical reality because that is the way we think.*

“Once we allow the possibility that atoms, electrons, and all that can be built up from atoms and electrons are *not things*, the doorway to imagination opens and all hell breaks loose.”

Woolf argues that in creating reality, consciousness (i.e. the mind) crosses space and time barriers perhaps several times, repeating the process of creating reality “until we accept as real what we think we have experienced.”

“Also, I throw out our insistence that time is only now, that existence somehow disappears into the past, and that the future never is but only will be. All events are in a supernal sense *now*.”

Woolf continues: “Human behaviour is a complex set of space-time operations whose outcome are experiences.”

In the next chapter, entitled *“The Relation of Space-Time to Emotion-Intellect”*, Woolf theorises that “events taking place in the physical world are matched to events in an internal space called the mental space . . . Thus every physical event has a corresponding mental event.”

His theory progresses into a chapter entitled *“Evolution From Parallel Worlds”*. With each new thought, there is a world. With each sensation there is a world. What we think, happens here or somewhere. “It would be better to think of consciousness as capable of being represented on many reality planes.

“On our plane of existence the mental existence comprises not only our emotion-intellects but that of the rest of the universal layers of consciousness — *in other words, the thoughts, feelings, sensations and intuitions of all sentient beings.*”

These parallel layers “influence us here and now”. Our past influences what we will become, and what we will become (or are) influences the past. Other humans influence us with their thoughts — and other beings have an effect on our consciousness.

It’s an interesting theory, but one which it would be easy to dismiss as the elevated thoughts of one man

who may be wrong. But, as Woolf points out, the theory of Quantum Mechanics allows for what he proposes. *And as Quantum Mechanics has yet to be bettered as an explanation of the world we know, Woolf feels on safe ground.*

According to Hoimar von Ditfurth, author of the book *"The Origins of Life: Evolution as Creation"*, whom Woolf quotes at length, the world we are in was created by a "Creator" whom we can't discover because of our limited perspective. The Creator governs the world, using evolution as a smokescreen.

If you make little sense of that, I would suggest you study both Ditfurth's and Woolf's books.

Woolf gets excited about the notion that molecules can evolve — and then launches himself into a chapter on *"Psycho-Physical Planes"*.

"The sensation of an event on the psychic plane is accompanied by the appearance of a mass/event in physical space... Similarly, a thought that occurs on the psychic plane is accompanied by a sequence of

mass/events in the physical plane, as for example, in our brains."

Woolf's book is a fascinating journey into one (or more!) of the following (i) fantasy-land (ii) possibilities (iii) probabilities (iv) the actual world as described by Woolf.

If it opens our minds a little further and allows us a glimpse into new ways of approaching and experiencing the world, Woolf would have achieved more than 1,000 soap-operas could hope to achieve.

If it is true that *consciousness is the universe's way of looking at and understanding itself*, we should take note of the potential power of consciousness. For we are a part of the universe, perhaps an integral and important part of it, and what we perceive and think could be of immense importance, to us, to the universe, and to that Creator who may, or may not, be lurking around the corner. If the universe was not created by a Creator, we have a responsibility not to "screw it up".

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## SCIENTISTS CONFIRM: THERE MAY BE A PARALLEL UNIVERSE

*Paul Whitehead, FSR Consultant*

SECULATION is mounting that scientists may be on the verge of a breakthrough in the search for a parallel universe, complete with its own galaxies, planets and intelligent beings.

Writing in *The Guardian* on February 13th 1987, under the headline "Who Knows What's Hiding In The Dark?" the physicist Dr Frank Close\* revealed that scientists are developing devices to detect an invisible mass that permeates our universe.

He writes: "There is a growing suspicion that we are not alone. The universe that we see is no more than a flotsam in a vast sea of dark matter, invisible to our present technology.

"Like H.G. Wells' invisible man, the dark matter gives its presence away by jostling the visible crowd, so we know that it is there."

As reported in *Flying Saucer Review* (Vol 31, No. 2 1986, page 23), scientists have been puzzled. Our universe behaves in a way that indicates the presence of a huge missing mass; as much as 90 per cent of the mass that our universe ought to contain (to explain its characteristics) is invisible to us!

For example, according to Dr Frank Close, the galaxies in our visible universe rotate too quickly to survive — they should have dissipated long ago.

The visible stars do not have enough mass to hold

the systems together by gravity — yet survive they do," Dr Close writes.

"Something is also holding galaxies together, allowing them to move around each other quickly without breaking up. That 'something else' is probably an 'enormous mass' — astronomers are certain that it is there."

The question is: what is this dark matter made of? "The current suspicion is that the dark matter consists dominantly of massive particles that are slow-moving and that were 'left behind' as the universe expanded. Gravity would have concentrated them to form clusters on all scales, from clusters of stars to individual galaxies or groups of galaxies," Close writes.

The study of heavy particles is tied up at least in part with the super-string theory developed by Mike Green of Queen Mary College, London (FSR, Vol 31, No 2 again). "This theory... seems to predict that there is a whole shadow-universe operating concurrently with our own," Close adds.

Although Dr Close does not mention it in his article, the super-string theory predicts the existence of a string of progressively heavier particles; *the universe we know is formed from only one small part of these strings — a much heavier universe, existing in the same place as our own, would be made up of the heavier*

parts of the super-strings.

There may be other universes or other dimensions on other parts of the strings. The scientist and FSR consultant Dr Jacques Vallée is known to be interested in a "multi-dimensional" universe as an explanation for the origin of UFOs. He believes UFOs travel from dimension to dimension, and that their ability to do so explains many of their characteristics.

Just two years ago, scientists claimed that we would be able to detect a parallel universe only by its gravity. Now, new techniques are being developed to detect the heavy missing mass that may comprise the other universe.

"The strategies for detecting dark matter exploit the fact that it must interact very weakly with us," Close writes. The particles comprising the dark matter may be heavy or light in weight; if they are light, they will convert into protons under the influence of a magnetic field "and leave an electromagnetic whisper in the presence of magnetism," according to Close.

"So, scientists are developing tuneable microwave cavities to detect a small excess of protons whose energy would signal the mass of the dark particles."

By contrast, he continues, "if the particles are

heavy, they will cause the nuclei of visible matter to recoil when they hit them. This will warm matter up slightly, perhaps only a few thousandths of a degree." Thus, we have to look for this slight warming.

*If dark matter exists and forms a parallel universe, it could have its own intelligent beings, Close suggests.* Some of the answers scientists are looking for "may be known soon", he says. "Within two years" says a recent report in the *New Scientist*.

FSR will report on any new developments as they arise. The concept of a much heavier invisible universe goes back 20 years, however, to the theory propounded by Prof. John Wheeler. He suggested then the existence of a parallel universe consisting of very dense matter, where time ceases to exist (FSR, Vol 31 No 1, 1985, page 9). The advantage of that, some theorists say, is that spacecraft from our universe could travel vast distances instantaneously by moving through the parallel universe.

\*Dr Frank Close is co-author of *"The Particle Explosion"*, a pictorial "look into the atom", published by Oxford University Press on January 22, 1987.

— EDITOR

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## A NOTEWORTHY WEST GERMAN CASE FROM MARCH 1982

*(Translation from German)*

**Darmstädter Tagblatt (Darmstadt, Hesse), March 16 1982**

**Although we know that UFO sightings occur just as often in Germany as they do elsewhere, the Germans — as everybody also knows — are smart and efficient folk, and they don't let too much get into their newspapers. This report is consequently a bit unusual for Germany! — EDITOR**

ON the evening of March 12, 1982, at Messel, near Darmstadt, five UFOs were seen by large numbers of people and created vast uproar and excitement. They were picked up by the Defence Radar at nearby Ramstein, and provoked widespread electrical failures, tripped relay-circuits, blotted out TV reception and Police radios, and engendered widespread astonishment, consternation and even fear.

In addition to the press-coverage of March 16, reports of the affair were also carried on March 17 by the local TV and radio stations.

The details are as follows: Shortly after 9.00 p.m. on March 12, a 14-year-old Messel girl, Manuela Helm, and her friend Sonja Bormann (15) were coming home from a party when a huge light seemed to swoop down upon them out of the sky. It appeared almost to hit the ground, but then shot upwards again and once more dived towards the girls who, terror-stricken, dashed to the nearby youth-centre where

Manuela's 17-year-old brother Werner Helm was in a disco session. Then, distraught and breathless, the girls dashed for their homes. Manuela's mother testified that the girl hammered madly at the door and was as white as chalk, her whole body trembling, and an hour later her condition was no better, so that for a while they had thought of calling a doctor. She added that, a fortnight later, her daughter still would not dare to venture out of the house at night. "But", remarked the Mother, "If you talk to anybody about it, they look at you as though you're daft!"

As for the boys at the youth-centre, 17-year-old Werner Helm and about ten other lads ran out and saw a vivid light above the nearby sports-field. Coming closer to it, they saw that the whole field was vividly lit up, "as bright as day", by a UFO hovering stationary at tree-top height. They estimated its width at more than twenty metres. The lower part of it was oval, elongated, as it seemed; and the upper part bore