

(In the rest of the letter, she compares the huge square thing with the famous "square UFO" seen at Bolazec, in Brittany, on January 16, 1966 by a man named Eugène Coquil. The latter case is described in detail in chapter VII of my translation of Jean-Claude Bourret's first book. (See THE CRACK IN THE UNI-

VERSE, published by Neville Spearman, 1976.) What the lady claims to have seen had of course no resemblance to the huge cigar-shaped "steel dirigible" seen by Roger Mougeolle. The only features common to her case and to his are (1) the shattering noise "like a train", and (2) the fact that both took place in April 1954. — G.C.

UFOs AND THE LIMITS TO SCIENTIFIC KNOWLEDGE

Muslim Siregar (Bandung, Indonesia)

The Enigma

THIRTY-EIGHT years after the term "*flying saucer*" was coined by journalists in 1947 following the sighting by Kenneth Arnold, we are still at a loss to explain the UFO mystery in terms acceptable to science and to the general public. Ufology in various countries has accumulated an extensive body of material on sightings, landings, close encounters, and other visible evidence, but so far no final conclusion has been arrived at.

Many theories have been offered, ranging from "swamp gas" in the early days to "psychological manipulations" and "misconceptions". The intention behind all these theories was to explain the UFOs away as having no real existence in ways that we can understand. But, as sightings continue and abductions are still rampant, we are still in need of an explanation that fits our understanding.

There are many sides and dimensions to the UFO Problem. Actually, before we can ask the question: "*Are the UFOs real?*", we should consider a more basic question, namely: "What do we accept as real?" As I see it, we are baffled by the erratic behaviour of the UFOs not only because it is indeed so, but also because our mind and our understanding are not geared to their level of reality.

We may ask ourselves the question: Are the realities to which we are accustomed — the realities of our daily life, the realities of the world, or, for that matter, of the Universe as we see it — the only possible avenues of understanding? When put in this way, the only answer that can be given is: "No! Who are we to say that our *human* understanding should be taken as the absolute standard by which to judge cosmic realities?"

But that actually is what we are doing with regard to the UFO Problem. Especially when it comes to the possibility that life exists in regions outside our Earth, we say emphatically: "*No! Impossible!*" We come to this conclusion by two different means: firstly, long

study of Astronomy has shown that there is no evidence of life in Outer Space and, secondly, there is absolutely no evidence that anyone has ever met with a man from Outer Space.

What it boils down to is this: that our understanding is programmed to certain ways of thinking. We are rightfully proud to call this Science. We are so proud of our achievements in the field of Science that we comfortably forget that there are limits to our scientific discoveries. For instance, in Astronomy, what we have studied is the light, captured by our telescopes, which comes from the stars. Everyone knows that a star is a hot body in Space, where naturally no life as we know it can be found. However, to deduce from this that there is no life in Outer Space is scientifically wrong, to say the least.

To make a statement with such a big sweep, from such a minimal amount of information, is morally irresponsible, because it is this faulty statement that is at the root of our problem in solving the UFO enigma. As long as Ufology also is afflicted by this myopia, Ufology can only solve parts of the problem. The whole picture will escape capture, and so will present a distorted truth.

In dealing with the UFO problem, we are dealing with a problem of many dimensions, because the UFOs are not just material objects, but we are also dealing with their occupants, and it is especially here that we are confronted by psychological and spiritual effects. And when we speak of spiritual effects, we are on religious ground. We will be speaking of God and of Angels, which, to a scientist, may be taboo concepts.

But the belief in God and in Angels provides fertile ground for the acceptance of life beyond the confines of our Earth. I may even say that the UFO enigma can ONLY be solved by the acceptance of God, of Angels, and of extraterrestrial life. *I go even further, and say that some of the UFOs belong to the same category of realities as those to which Angels belong. This is one*

aspect of the UFO enigma.

There is also another aspect: while the UFOs of the same category as the Angels belong to the positive aspect, there are other beings, with negative features. The two groups oppose each other as is shown in many UFO encounters. Why this is so can be explained from Biblical studies. Both Lucifer and Satan are not just the products of the fertile minds of religionists, but are real personalities. Not at the same level of realities to which we belong, but at one that is higher.

What levels of realities are we dealing with? The material world with which we are familiar here is one level. To all outward appearances, this is the only level that we accept as being *real*. Although we speak of God and of Angels, this we do on a different footing, namely on faith. We are not used to thinking of God and of Angels in terms of material reality, as having real existence, as real as the money we spend or the house in which we live.

Although we have sightings of UFOs and we have landing-marks and other evidence left after the landings, UFOs are not material objects in the way that we understand it. The occupants (or at any rate *some* of them) are not human beings in the way that we are. If we understand the appearance of Christ after His resurrection, then we will also understand the appearance of some of the Ufonauts. This is another side of the UFO enigma, how to understand such worlds of existence.

The UFOs are only visible for short periods of time. When they are visible, they resemble our material objects in many ways. The UFOs are then said to be of some kind of metal that has a surface texture and gloss. They seem to be under perfect control, but subject to different laws, because of their incredible manoeuvrability. Because visibility is only *part* of the existence of UFOs, Ufology is limited to only this part. Ufology will never be able to uncover the other invisible part of the UFO enigma.

The Myopia of Science

To most people, Science is the ultimate in Truth, and they demand that UFOs can only be accepted if Science has *proved* the reality of their existence. This is an impossible demand, as I have tried to explain. UFOs are only visible part of the time; in their own natural state they are invisible to us. What has Science however to say about the *invisible*?

Nothing.

Although Science has accepted the existence of rays and wave phenomena beyond the visible spectrum, it has never gone further to accept the existence of whole worlds inhabited by beings that have life. It is in such invisible worlds that we find God, and the Angels, but, to the annoyance of the scientists, also UFOs and Ufonauts!

To understand invisibility, we have to understand

the way in which we see. We see material objects because of the faculty of the atom to throw back photons falling on its outer shell, which will then reach our eyes. This we call *reflection*. In the case of glass, only a small part of the photons are reflected, and the majority go right through the material. If no light is reflected, and the glass has no colour at all, it will be totally invisible. (Many people have bumped into glass doors that are very clean.)

UFOs, or parts of them, are sometimes transparent during the transition from visibility to invisibility. Ufonauts are reported to be seen in a wavy form, as in TV pictures. As our Sciences are not in the habit of making studies of what renders glass transparent, we are at a loss to explain how UFOs can change their appearance from opaque to transparent and invisible. Because of this partial invisibility, the UFOs seem to change form.

Over a long period of systematic study, we have acquired an extensive body of knowledge that is still growing in quantity, that is to say, in its application. We are so impressed with this body of knowledge that we easily forget that there are still vast areas not touched by our scientists. Especially in basic questions as to the origin of matter, Science is close-mouthed.

We have a theory as to how the Universe came into being: the so-called Big Bang Theory, which says that some 10^{-43} seconds ago, the Universe had a diameter of 10^{-28} cms., and a temperature of 10^{32} Kelvin. Although they are conceived by prominent minds, I would say that anyone who adheres to such notions is unscientific. Any scientist knows that, of itself, temperature cannot rise from the low to the high. And no mass can grow out of nothing.

This theory can't be tested for its truthfulness, nor can the belief in God's Creation. But at least the religious teaching of God's Creation has the elegance of moral values, which are totally lacking in such purely scientific reasoning.

Because of the formidable extent of human knowledge at present, people tend to forget, or maybe there is no more room left in their mind for remembering, that *there are even more things of which we know nothing*. We know practically nothing about the Universe except certain items of astronomical information. We know nothing of God and of the Angels, although Religion teaches us of their existence. We tend to assume that all there is to know of God and of the Angels has already been told. Nothing is more erroneous than such an assumption.

Had we known more of God and of the Angels, we should see that what seems to be empty Space is actually filled with many activities of which our Sciences know nothing. Hints at such activities are given in both Biblical teachings and Qur'anic verses. The Bible says that God does not create in vain, for a game, or without looking after His Creation. The Kingdom of

God is not an empty kingdom. For lack of the right word, it is called a kingdom. What it actually means is a *Government* — in no way different from any earthly Government.

While there is structure and organisation in any earthly government, similarly there is also structure, organisation, and a well defined programme of action in the Celestial Government. A programme of work that stretches over thousands of years, while such an earthly programme will cover at the most five years. Hints of such kinds of activities are given in religious teaching, but because no one pays attention, it becomes a *hidden knowledge*, known only to so-called "occult" groups.

The biggest obstacle preventing Science and Ufology from unravelling the UFO enigma is the position they take towards the existence of life in Outer Space. At present it is taboo to both to accept the existence of God, of Angels, and of extra-terrestrial life. The reasons are already given: the total non-existence of "scientific proof". But, as I will reiterate here, *what is acceptable as "scientific proof?"*

If people like Adamski and Dr Daniel Fry claimed to have met with people from Outer Space, will that not be ground enough at least for further study? If further study substantiates such claims, will that not be proof enough that those who gave such reports were truthful after all?

Like the "Big Bang Theory", which is totally unscientific, so also is the claim that only our Earth, in the whole vastness of Space, is the only point where life has developed. This theory favours the particular rather than the general, which is against any scientific law.

Those who were interested in aviation prior to the start of the Second World War may still remember how a fighter plane developed by Messerschmidt attained the (for that time) unbelievable speed of 750 km/h. A learned professor was quick to point out that the limit to the speed of an aeroplane was the speed of sound. The reason given was that, at this speed, the air will become like a solid wall.

We now know how wrong the professor was, but he was not altogether wrong either. From the implosion of a De Havilland *Comet* and the breaking off of a wing of an *Electra*, it was shown that during the passage through the sound-barrier tremendous vibrations take place, caused by the changed qualities of the air. Similarly our present theory proposed by the late Professor Einstein that the speed limit to any material object is that of light is not altogether right. His theory is valid only within certain conditions of gravity and certain magnetic conditions.

But do we have proof that conditions in Outer Space are similar to those on the surface of our Earth to which the theory of Einstein applies? As we have no such proofs, the last word on this matter is still to be spoken.

Our scientists know a lot about gravity and about magnetism, and about how matter behaves in gravitational and magnetic fields. But they know very little of the true nature of both gravity and magnetism. Our technology has as yet not developed devices with which to manipulate electronic speeds in the atom. We have developed the laser, but are as yet not able to manipulate its frequencies in a wide spectrum. Had we been able to manipulate the atom and the laser to higher extents, we would by now possess a super-Science and a super-Technology.

Super-Science, Super-Technology, and the Super-Civilisation

Ufology can be regarded in two ways: one is the way in which we conceive of it; the other way is how the extraterrestrials see this study. A lot of material has accumulated that directly or indirectly relates to the UFO phenomenon. A study strictly conducted, on scientific lines, can reveal much about the nature of sightings, of landings, and of cases of abduction. It will also reveal a lot of information on electromagnetic wave phenomena accompanying the UFOs. *But it will reveal very little as to the origin and purpose of the coming of the UFOs.*

If we are not interested in the origin and purpose of their coming, I see no other way than by studying *what the extra-terrestrials themselves say about this matter*. This can be a study in itself, apart from the computerised evaluation of accumulated material.

But let it be said straight away that we are not in a position to evaluate the truthfulness of their words. Here I am referring of course to the so-called "good" Ufonauts; those that come to Earth within the framework of a work-programme that has to be accomplished. *There are also groups that oppose this programme*, and other groups that come in the wake of the first group.

Why can't we evaluate their words? Because they refer to dimensions of Time and Space for which we have no standards of evaluation in our own Sciences. The work-programme I have mentioned earlier for instance refers to time-periods of over 5,000 years. How are we to evaluate such time-scales with our limited knowledge of History? They come to finish a task already mentioned by the Christ some 2,000 years ago. With what are we to judge such statements?

Here we are already on religious ground. We are used to accepting religious statements on faith. This is also true for their words, but there is an added dimension. While in Religion there is no way to go into more details, here we are given these much desired details. With more details, we are then in the position to make judgements even upon the true meaning of religious statements.

There are actually two levels of truths. There are *scientific truths*, that can be verified with the established tools of scientific investigation. There are also

religious truths, that can only be accepted by faith. To this latter category belongs, for instance, the statement that our Earth will pass through tremendous tribulations.

This statement is found in both the Bible and in the Qur'ān. But as the statement is not accompanied by more specifics on time and other details, people have no way of ascertaining its truthfulness.

I have had personal experience regarding the existence of a non-scientific type of truth. I was at the time the Supervisor of Technical Education in Bandung. At one time a teacher who had to see me on some business asked me whether I was interested to see something extraordinary? As I told him that I *was*, he asked me to produce a length of white thread. This I did, and I subsequently made a tight knot in it, and after wrapping it in a piece of paper, held it tightly in my closed right-hand fist.

The first trial failed. On my opening my fist, the knot was still there. He did not touch me in any way, and I closed my fist for the second time. *This time, he succeeded in opening the knot purely by mental effort. When I opened my hand, and opened the piece of paper, the length of thread was found to be neatly folded in three strands without any knot.*

Indonesia abounds in folk who perform feats like this. There was a story, which I can't verify, in which two gurus agreed to hold a contest on will-power. One feat was to fell a tree from a distance of several hundred metres, while another was to stop a passing train from the same distance.

These feats look like "magic", but certainly some laws unknown to us must be involved. Similar feats are accomplished by Uri Geller, and also figure in the cases described by Dr John Taylor of London University in his book *Super Minds*. Some people are unwilling to accept the magical feats done by Uri Geller because they have had no such experience as I had with the thread.

To explain the workings of mind power, we have to assume that the human mind can generate a kind of force-field in which the atoms are brought to a condition of softness, as in heated metals. I am referring here to the bending of metals by Uri Geller. But in these latter cases, there is no heat — only the softness! Just as there can be light without heat (fluorescent lamps) so there can be softness of the metal without heat.

The ionic forces between the atoms seem to be diminished to such levels as to allow the metal to bend, even inside a glass tube, as shown by the experiments of Dr John Taylor. In my own case of the thread, the molecules of the thread must have loosened sufficiently to permit the knot to disappear, after which the molecules rearranged themselves.

With this background in mind, it will now not be too difficult, at any rate to myself, to accept the statements of the extraterrestrials that they control their big craft solely by mind power. Such statements can be found in different sources, quite independent of each other. When

I say "big craft", I mean *really big*. Such craft are also called "city-craft", "flying cities", or "cities hovering in the skies". I found mention of these craft even in Ancient Hindu Literature, where they are called *hinaraya pura*.

According to some claims, such craft may attain a length of ten miles, and are used for the evacuation of a planet. This type of craft employs a beam of which the frequencies can be controlled over a wide range to chill, freeze, disintegrate, monitor, crystallise, fissionise, kill, burn, anaesthetise, levitate, generate electrical and magnetic force-fields, and alter thought-patterns. Two samples of the multiple use of this beam will be discussed further:—

I The alteration of thought-patterns is also called *telepathy* or, in the case of the Prophets, *revelation*. It is also called the projection of consciousness. The whole contents of the Qur'ān were given to the Prophet Muhammad by this method of one-way communication. Similar methods are the source of an extensive body of information nowadays available for our study, provided we are able to accept it. Science scoffs at the possibility of this kind of communication, which is indeed very unfortunate.

II *We are told that levitation by a beam is the method that will be employed if our Earth is to be evacuated. Geological conditions on the surface of our Planet are mounting towards a crisis-point at which life here will be unbearable. This is the main purpose of the coming of the UFOs at present.* The Christ was also levitated by a beam into an awaiting craft to which His followers alluded as "the cloud".

This, then, is some of the information received telepathically from the Outer Space Beings who are now hovering in our skies. As said before, we are not in a position scientifically to make evaluations as to the truthfulness of their statements. We can accept or dismiss them in accordance with our own capacity to digest such kinds of information. But we should keep in mind that the religious teaching that formerly had to be accepted by faith, can, when supported by detailed information, rise to the respectable status of positive scientific knowledge.

Not too many details on the science and technology of the UFOs have been revealed so far, but just enough to enable us to gain some faint glimpse of the superiority of cosmic science and technology. The Space Beings come from a civilisation that rests on such science and such technology, just as ours does on our own achievements in the scientific and technological fields.

The Qur'ān contains quite a lot of information on the existence of this super-civilisation, which had been ridiculed by Western scholars studying the

teachings of Islam. Information received through super-normal channels tally with those mentioned in the Qur'ān, except for the fact that they are more detailed.

The Qur'ān says, for instance, that the inhabited spheres in Outer Space are divided into *evolutionary* and *artificial* worlds. Our Planet, Earth, has an *evolutionary* origin. It has evolved from a gaseous to a solid state. When conditions are right, life is implanted on the surface of such a planet. *Artificial* worlds, however, do not pass through a gaseous and hot stage. Artificial worlds are the sources of those Space Beings who belong to a Celestial Government. A small number of UFOs come from planets that are higher on the ladder of development than our planet is.

It is from such planets that we encounter some uncomfortable treatment by Ufonauts, especially in the field of biological and genetic studies. These beings are scientists who are more interested in their studies than in the feeling of their guinea-pigs. Not so with the Ufonauts from the capitals of Celestial Governments. They adhere strictly to the laws of non-interference in the personal affairs of every human being.

Abundant material on these cosmic civilisations can be found in the data accumulated in the early stages

of the UFO phenomenon, but I fear that most of this material has been totally neglected and ridiculed as fabrications and hoaxes. Actually these materials contain a lot of information that will give us some insight into the realms of spiritual truth and teach us some of the moral values of goodness, peace, and harmony already practised in those civilisations.

But from the scientific viewpoint, such information is regarded as worthless, because Science has no way to evaluate such material. While in actual fact it is this kind of information that will shed light on the truthfulness of the information given. A civilisation that is not on a higher level than ours will be unable to produce the science and technology required to overcome the great distances of Space.

In conclusion, I would like to reiterate that the UFO phenomenon cannot be solved completely by the strictly scientific approach by computer specialists, even supported by psychologists, physicists, and other specialists. We shall also have to include students of the Holy Books, and students of supra-normal channels of communication. It is from these latter that we obtain our information of what the Space Beings have said as to their purposes, their origins, and the nature of their work.

“PARALLEL WORLDS”: RECENT COMMENT FROM AN EMINENT OXFORD PHYSICIST

The Reverend Donald Thomas, Oxford; FSR Consultant

A series of lectures on the general theme of “PHILOSOPHY AND THE NEW PHYSICS” was recently delivered in the Gulbenkian Theatre at Oxford by eight eminent physicists from the Universities of Oxford, Cambridge and Pavia. One of the speakers was Professor Ian Aitchison, M.A., DPhil., Fellow of Worcester College, Oxford, and a Professor in the Department of Theoretical Physics here.

Mr Paul Whitehead's recent summaries in FSR on current trends in thinking about these matters has prompted me to write to Dr Aitchison, asking his general opinion about the “parallel worlds” idea, and I think FSR readers may be interested to see his reply, which, with his permission, I give below:—

Department of Theoretical Physics,
1 Keble Road, Oxford.
December 16, 1986

Dear Mr Thomas,

Thank you for your letter of 10th December. The “*Many Universes*” interpretation of Quantum Mechanics is perfectly serious and respectable — even though I think it would be fair to say that most physicists recoil from seriously espousing it! It is not an invention of Dr Paul Davies’ — but rather of Hugh Everett III, first published in the perfectly O.K. Physics journal *Reviews of Modern Physics*, Vol. 29, pages 454-462 (1957). It was subsequently taken up by Bryce de Witt (see a semi-popular article in *Physics Today*, Sept. 1970, pp. 30-35), and by de Witt and N. Graham (*The Many-Worlds Interpretation of Q.M.*, Princeton University Press, 1973).

de Witt is a very highly regarded physicist, so one has to take the idea seriously, and it is certainly a logical possibility — but one that doesn't appeal to most of us because of its extravagance!