

Toni was beside my bed. I begged her to get close so that I could hold onto her and stay here on this planet. She stayed by the bed for five long hours with my arms around her neck. I was able to stay here in spite of medication, in spite of the concussion and its after-effects. Previous to this particular outside episode, the inside episodes are worth recounting.

At the times I was assumed to be in coma by the medical personnel, inside I was anything but unconscious. I was living in another domain in which I was transiting by means of various programmes that I had learned previously.

In G. Spencer Brown's *The Laws of Form*, there is a mathematical operator or, preferably, a logical operator, called 'the marked state'. This is symbolized by a right-angle corner that looks like a large inverted capital L.

This operator has certain properties, which are of great interest theoretically. It is pertinent to what happened later.

The marked state operator can operate in such a way that it can be fed back through itself (self-referential property). When one uses the operator as a signal, feeding it through the operator itself, it creates an infinite series as follows: marked state, unmarked state, marked state, unmarked state, and so forth, ad infinitum.

I had learned this both from my own studies of Brown's book and from the help of the AUM Conference (see Chapter Fourteen, *The Dyadic Cyclone*). (This particular oscillating character of the marked state operator had been explained to us by Heinz Von Foerster at the AUM Conference.)

Also stored in my biocomputer was a language devised by Robert Edwards in his PhD thesis (UCLA, 1970) entitled 'The Quantum Observer in a Neurally Engineered Prosthesis'. This language appeared only in the first few editions of this thesis, copies of which were furnished to me for my education by Frederick Worden, MD.

The language involved was called by Edwards 'topquantese'. This language was devised in order to think about the brain in terms of quantum mechanics. It is a very powerful language that allowed one to progress from the quantum mechanics of one's own nervous system on a submicroscopic scale to the assemblages of neurons known as one's brain, to one's mind and to that mind

in networks of communication with other minds and so on, throughout the universe. In other words, Edwards had devised a way of transiting in the inner domains to any region that one wished to travel from the subatomic particles on through the Self into the Universe.

While I was in this apparently 'comatose' state (outside), I was in a hyperconscious state (inside) in which I was travelling from one domain to another. This was happening without any knowledge of *having* a human body – I knew *of* a body in existence back on planet earth with Toni. Under these circumstances, one is still an individual consciousness but one has no present body, no present brain and no present planet earth. (It is very similar to other episodes, which I have described in *The Centre of the Cyclone*, in which I was in a comatose state in a hospital in New York in 1964 [Chapter 2].)

I was allowed to travel through these domains by teachers, by guides, if you wish, who were programming what I was allowed to do. However, *I was also told that I must use my own efforts to transit*. I made a pact with the guides. In effect I said: *'If you will allow me to go back to Toni, if you will allow me to live in peace on the planet Earth for a certain number of years with Toni, then I will do what you want me to do for the rest of that life.'*

They said: *'You must go back on your own efforts. What you know about transit between domains demonstrates to us that you are capable of moving from one domain to another.'*

I took up the challenge. I started with the marked state operator described by Brown. My consciousness was placed inside the right angle of the large inverted capital L as it was written, as if it was a vehicle. This is rather a dangerous procedure. This meant that I was identified with the marked state, i.e. I existed. I was now riding the marked state as if it was a vehicle, but at the same time, I *was* the marked state. This means that I was the consciousness, the signal that was being fed through the marked state outside myself. As soon as this happened, I transited explosively into the Void. My consciousness was still intact, but there was no universe at all.

I suddenly realized that this was the first step in the infinite series of marked state, unmarked state, marked state, unmarked

state and so forth. So my consciousness then reassembled a marked state, got into the right angle and came out in another domain, i.e. came out in a new marked state.

(Brown, at the AUM Conference, said to me personally that *The Laws of Form* was not written as a method of going far out. *The Laws of Form* is a handbook on how to get back.)

To return to the inside: *I suddenly came out into a universe. I was in a universe in which catastrophes were taking place. One of the marked states was the total atomic warfare on a particular planet in that universe. There was then a period of Void and then another universe of the incandescent gas around a planet and the subsequent killing of almost everything on its surface except those protected in caves.*

I am told by the guides that I am transiting from one domain to another: the transition took ten to the minus twenty-seventh-power seconds riding the Brownian marked state operator. (In retrospect, I don't know where this quantity for the transition time came from. It apparently was told to me by them.)

If one works out a few implications of this, one can see that, for example, at ten to the minus twenty-seventh seconds, light can only move three times ten to the minus ninth-power angstrom units or three times ten to the sixteenth Planck lengths.¹

Translated then into human physical terms, this means that if a human body were to be exposed to some process that could take every atomic nucleus in that body and every electron in that body and transport it to an entirely new universe at these speeds, the effect (to put it mildly) would be explosive.

1. This calculation was computed as follows: light velocity is three hundred thousand kilometres per second. One can then calculate this as three times ten to the eighteenth-power angstrom units per second. (This is the value of c , the constant velocity of light.) In ten to the minus twenty-seventh-power seconds, the distance light travels is its velocity times the time interval. It can be shown that this distance is then three times ten to the minus ninth power angstrom units. The Planck length is ten to the minus thirty-third-power centimetres, which is ten to the minus twenty-fifth-power angstrom units. If we now divide the distance that the light travels in ten to the minus twenty-seventh-power seconds by the Planck length, we find that there are three times ten to the sixteenth Planck lengths that light travels in ten to the minus twenty-seventh seconds. A hydrogen nucleus in the hydrogen atom is ten to the minus fifth angstrom units.

I was being exploded from one universe to a Void then to another universe in a sequence that apparently lasted some days. As far as I could make out from external observers, I was going in and out of consciousness every fifteen minutes, after the effect of the medication had worn off.

A rather amusing episode happened during this period of time. At one point I came back and wanted to find out what my voice sounded like under these conditions: I asked Toni to turn on a tape recorder. I then dictated to the tape the following sentence: 'Joe took father's shoe bench out; meet me by the lawn.'²

Toni immediately said, 'Who is Joe? Does that have something to do with your brother?'

At this point I was already going back into some other universe and failed to answer the question.

In my own internal reality, what I was doing was dictating a sentence onto the tape to be subsequently analysed by sonic spectrographic methods (which I had used in the laboratory on human speech and on dolphin speech). I wanted a quantitative measure of how my voice was different under these peculiar circumstances from what it normally was.

I had not told Toni about this sentence previously; she was faced with somebody coming out of coma not making any sense whatsoever.

Another episode happened inside while I was desperately trying to move from these multiple universes to the planet earth and back into the vehicle.

It is as if several times I had to have a conference with the teachers and bargain with them and promise that when I got back I would live a peaceful quiet life with Toni. Unless I made this promise they would not let me come back.

This was a pretty horrendous series of conferences. It was like arguing with the universe itself, arguing with powers that were so much beyond any powers that we have, that there was no doubt that the only way that I could get back was to get their consent. I was desperate, I wanted to come back. I wanted to

2. A test sentence (from Will Munson of the Bell Telephone Laboratories), which contains thirty-four of the forty-four sounds of the American-English vocal language.

be with Toni and I wanted to live a quiet peaceful life insofar as this was possible in our time.

They were adamant that I had to do this on my own by any means that I had at my disposal. So I rode the Brownian operator back to earth and entered my body explosively several times.

I also used the 'topquantese' language of Edwards in a much more developed form than I knew when I was in my vehicle on earth. Somehow the topquantese language allowed me to collapse universes into the vehicle on planet earth. I don't know how this was done; yet as I would go through a certain procedure, the universe would collapse in steps until finally it was my body and the surrounds of that body on this planet. This was a less explosive method than that of the Brownian operator.

Subsequently I asked Edwards what speed this represented and he said it was 'ten to the minus twenty-second-power seconds'. I asked him why he had withdrawn 'topquantese' from the published version of this thesis. He answered that it was because it was still explosive. Even travelling using 'topquantese' I was having a problem of too high a velocity with a shocking result as I would re-enter the body and then take off again out of the body.

After I had returned home from the hospital, I established contact once again with Robert Edwards and discussed this travel with him. He said, 'We have learned to reduce the time transition to ten to the minus twelfth-power seconds. This is not explosive.'

All of these experiences were new and unique for me in spite of much experience in far-out regions. Everything that I experienced during these five days and subsequently was brand new and startling to me. I had not realized the properties of the Brownian operator until I experienced it inside. I did not realize the properties of the topquantese language until I experienced it inside.

I summarize all of this by saying that my own belief systems are totally incredible. I cannot believe them myself in this particular state that I am in – telling you about what happened.

Yet I know, somehow, that all of these episodes that I am recounting are programmed to a certain extent by my own belief systems, by the information that has been stored in me, by con-

tacts with Brown and his writings and with Edwards and his writings.

Under the above transit circumstances, I think that each of us goes to the very limit of our own personal knowledge, of our own cognitive abilities, of our own voluntary participation, of our own Self-metaprogramming in the face of superself metaprogramming way beyond anything human.

The calculations of the speed of transition between universes, the calculation of the distance that light can travel in that very, very small time span, are useful because these are obviously quantities way beyond any of our current experiments or experiences in terms of the observer and the system observed.

In my use of the Brownian operator and in my use of top-quantese, I am realizing that the observer is a participant, is part of the system that he is observing and that he is feeding back upon himself in order to generate transitions. Only those acquainted with feedback theory in circuits can understand this adequately. Let me illustrate.

If one has an amplifier (say a stereo hi-fi amplifier) and one wishes to make this amplifier respond in a highly linear fashion so that the input and the output match each other's form to a very small fraction, one introduces negative feedback overall; in other words, one introduces part of the output back into the input in such a phase relationship to incoming signals that there is a reduction of output by means of the added input. This is called negative feedback. Positive feedback overall leads to oscillation of the system and uses very large amounts of energy. So negative feedback is safe, controlling and gives characteristics to the amplifier that it couldn't have otherwise. Positive feedback leads to new states.

Similarly, feedback of the observer's own knowledge can be either positive or negative in the above sense. If the feedback is of the Brownian type, the observer is transported willy-nilly into the Void and then into another domain. Using the Brownian operator, one goes from one's current universe to the Void and then to any other universe.

Why ten to the minus twenty-seventh-power seconds for this transition? Because *that is the time that one is allowed as a sub-microscopic entity to move into the structure of space and*

space-time itself and still maintain a conscious minimum size organization of Self.

If one is going to travel from this universe to another one, one can reduce the size of the observer to an incredibly small size – in other words, three times ten to the sixteenth Planck lengths. One at this size is a good deal smaller than any atomic nucleus. When one has reduced one's conscious observer to this size, one's 'subquantum observer' is smaller than any known particle. He can move into the indeterminate (unknown) sub-structure of space, space-time and topology that exists at ten to the minus thirty-third-power centimetres, which is ten to the minus twenty-fifth-power angstrom units. When he is so reduced, he then has the ability to travel (at the velocity of light or possibly faster?) for very short distances, i.e. of the order of three times ten to the sixteenth Planck lengths.

(To review some of the basic physical theory, not including the subquantum observer, I refer you to John Archibald Wheeler's article, 'From Méndeleev's Atom to the Collapsing Star', from *Transactions of the New York Academy of Sciences*, New York Academy of Sciences, series 2, volume 33, no. 8, New York, December 1971. In this article he explains the matter of the Planck lengths and the structure of space and space-time and topology.)

In other words, a point of individual consciousness down at these levels can move from one domain to another; there is no determinacy as to where that point of consciousness is going. There is no certainty as to what universe that point of consciousness will enter. At these small sizes, space itself is indeterminate; one can move through galaxies, through universes, by going to this size and even move with far greater speed than the velocity of light. In other words, *at these levels there seem to be doorways into other universes, doorways of very, very small size, but nonetheless, doorways.*

When one is travelling with the Brownian operator and with topquantese one is a very, very small operator. One is a subquantum operator, if you wish, subquantum in the sense of material matter, not subquantum in the terms of consciousness. One is still a full quantum of consciousness in the point. Thus what we are doing here is specifying the quantum of consciousness that is minimal for a human operator.

Human is hardly the term for this; I don't like the word sub-human – that has connotations that I want to avoid. This quantum of consciousness is of such incredibly small size that we can call it 'the indeterminate-determinate consciousness operator'. This is the infinitesimal (in the 'infinitesimal calculus' sense) of consciousness. This is the minimum size for consciousness in order to travel between universes. If consciousness-without-an-object of Merrell-Wolff³ has a granular structure, this is it. This means that consciousness in this universe and in others, travels with high velocities at this particular level of size. There is apparently a network of instantaneous transmission for consciousness at this particular level at these very small sizes.

It is almost inconceivable to realize that that particular speck of consciousness carries with it all of the knowledge stored in the vehicle back on earth. This theory calls for access to the knowledge of the vehicle on the part of this infinitesimal operator.

Of course one can also assume that all of this takes place inside the vehicle and that these are 'as ifs'. These are simulations attempting to explain what happens to one's self under such 'concussed' circumstances. I will not argue this. To an outside medical observer this is a very reasonable explanation; however, to the inside observer participating in these experiences, this explanation is totally inadequate in the sense that one had no knowledge whatsoever of the vehicle except that it was in some distant place and one was trying to get back to it at certain times. At other times, one was not trying to get back, and was obviously somewhere out there 'enjoying' the experiences in a state of High Indifference. My pact with the teachers or the guides (to come back to Toni and live a quiet life on this planet) could be interpreted as the survival mechanism of my particular vehicle wanting to come back to a consciousness with which it was acquainted and content.

My closest friends were puzzled because I was unable to tell them what was happening. I was reluctant to tell anyone what was happening because of my knowledge of the way such people are treated on this planet when they are in these states.

As soon as possible, I got myself released from the hospital, went home with a male nurse and set up a wheelchair in my living

• 3. Merrell-Wolff, *The Philosophy of Consciousness Without an Object*.

room in which I sat day and night for several days. Finally I rented a hospital bed. I sat at a forty-five degree incline on this bed day and night for several weeks. I gradually learned to walk again; I gradually learned to go to the bathroom again; and with the help of the nurse, I was able to bathe.

Gradually I came back into a normally functioning life on this planet. I am still not back one hundred per cent. I still have a problem with my right shoulder. It will be many months before normal function is re-established; it will be many months if not years before the bones are back to their normal length, size and shape.

I have been through the most prolonged and intense pain that I have ever experienced in my whole life. I feel that I have paid the price for what I call 'the year of Samadhi', for the year I spent previously, giving little attention to the external reality.

Somehow the universe seems to take the integral of one's life. If one moves too far in one direction, one must then compensate by moving too far in the opposite direction for a time in order that one achieve a final average balance, which is humanly possible. In other words, for the year of Samadhi where I gave up my voluntary participation in our culture, and took on an inner set of realities to the exclusion of the external realities, I had to pay by giving attention for an equal period of time to the vehicle and its requirements. The total balance over a two-year period looks as if there is some process by which compensatory adjustments are made and a final steady state achieved in spite of the very large transients to which one has been exposed.

As Toni says 'Life is a balance game'. Here I am attempting to make more quantitative and more precise her statement. One knows intuitively that she is correct, but I wish to render more conscious the actual factors involved in 'the balance game'. One of my moves lasted a year, the year of Samadhi. So the compensatory movement to achieve a balance requires another year - of recovery, of healing, of being helped and of being restored to somewhat one's former self or possibly beyond what one's former self was.

In other words, to successfully navigate a human vehicle, one must be aware of the balancing net effect over all of one's lifetime. The universe will not allow that vehicle to deviate too far in any

one direction without putting in a correction in the other direction and thus achieving balance. A lot of the balancing factors are built into our social structure as such. One is forced to achieve balance by certain means available within our culture: medical means, legal means, political means, personal hygiene means and so forth.

I hope to do a more thorough job on the analysis of the Decker Canyon accident in a future book. Currently I am keeping the description within the confines of this book, written with Toni.