

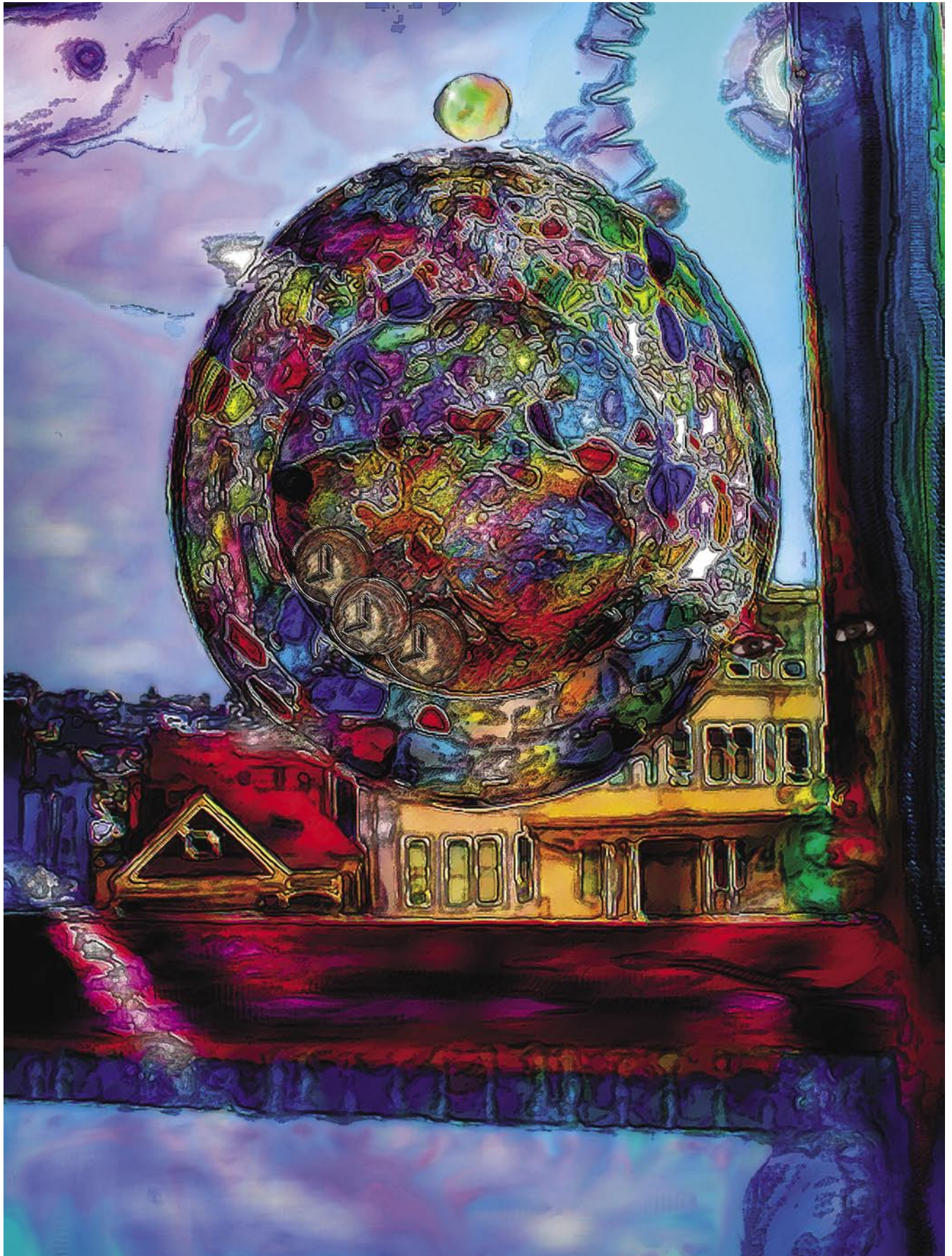
EVERYTHING IS

AN ILLUSTRATED THEORY OF EVERYTHING

by Sarah J. Curtiss

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This book is dedicated to
William Solis, whose endless
support and patience allowed
this book to be born.



When Worlds Merge

Preface

I have merged my art and the art of my partner, William Solis, with my Theories of Everything.

Shrink and grow with my analogies. Classical notions of time and space must be revised in order to grasp relativity. Classical ideas of small and large must be revised to evaluate the theories I am proposing.

These ideas are not meant to be the final answer to Anything, but rather a catalyst to others to take another look at Everything from a different perspective.

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Unified Theories of Everything

I have a difficult time contemplating a unified theory of the universe that does not take into consideration evolution, revolution, religion, war, love, hate, marketing trends, television, paperbacks, email and why don't pigs have wings! Is our species studying the nuts and bolts of Everything and discovering marvelous uses for all these nuts and bolts without really having a good definition of the Totality¹ of Everything?

I began my thought experiments by trying to make statements that apply to Everything.

¹Jim Charlton, Southside of Chicago via Darlington, WI, who teaches social theory to graduate students in Chicago, introduced me to totalities. In a nutshell: picture all the parts of a car strewn over a field. No matter how much any individual part is studied, unless there is a bigger theory about what a car looks like and its purpose, it would be well nigh impossible to figure out what it was or put it together. It is necessary to study the concept of a car in total to understand it; the parts are only useful as descriptors of the total after the bigger picture is in place, though there might be an infinite variety of uses for the individual parts.



Totalities

Theory of Universal Totalities, aka Queen TUT

Everything groups and Everything ungroups;

Everything is or was made up of groups of other things.

These two statements represent a totality of Everything from quarks [the subatomic particles that group to create protons and neutrons, which in turn group with electrons to form atoms, which group into molecules, which group into cells, which group into organs, which group into systems, which group into individuals, which group into family, state, religion, species, ecosystem, planet, solar system, local star group, galaxy, cluster of galaxies] to super clusters of galaxies and possibly groups of universes.

Everything whose existence has been confirmed by science, groups with other things and is, in turn, made up of groups of other things¹.

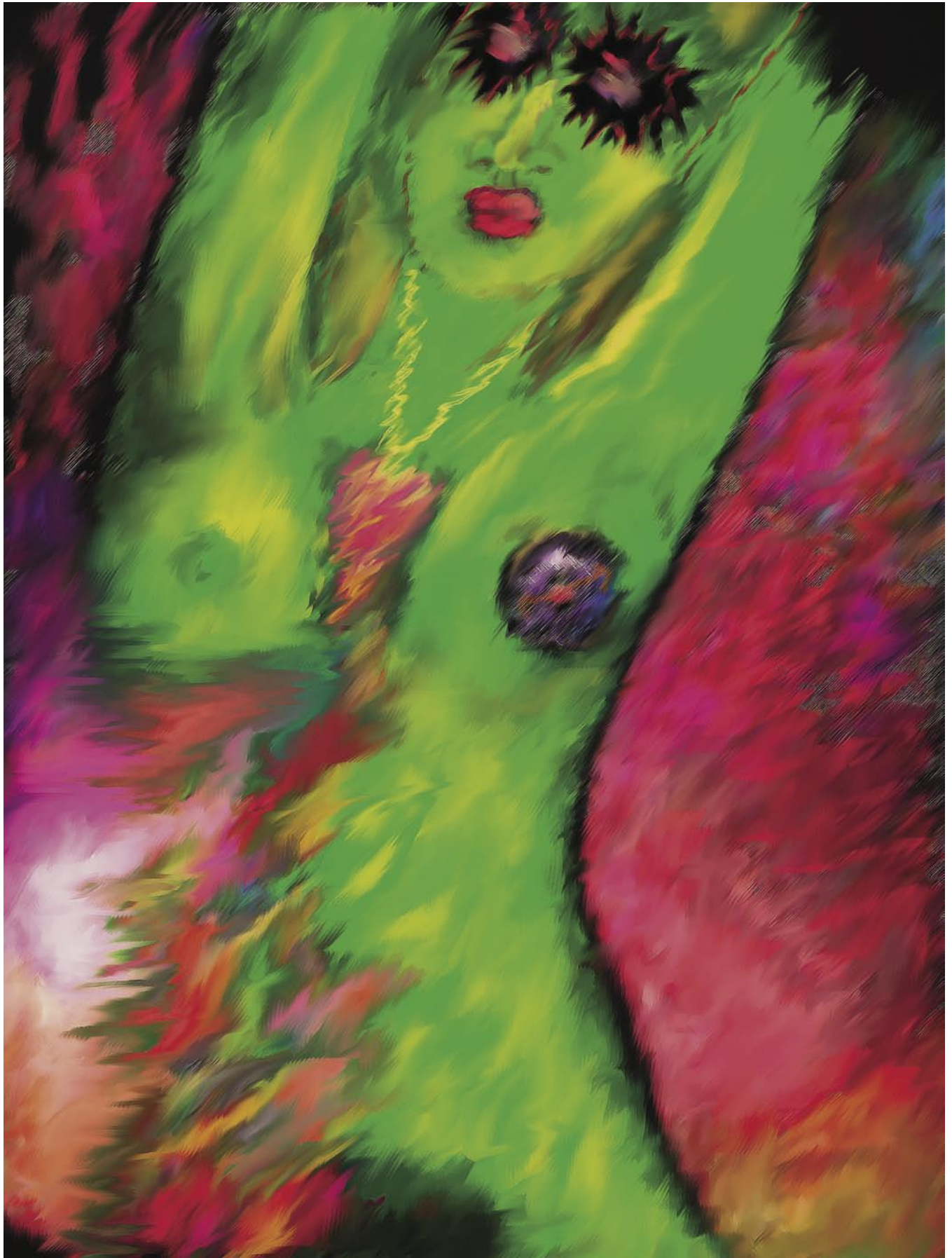
Are we on the wrong track in looking for a unified theory of our universe by searching for the smallest building block of matter? Is the key to Everything the Group, rather than the ultimate building block?

Maybe there is no smallest unit of matter or energy and there is no largest grouping of groupings, or cluster of universes, only the limits of our technology or imagination to see smaller and larger. If there is a smallest unit of matter and energy, it is smaller than an atom, smaller even than a proton and probably smaller than a quark, so the key to Everything still appears to be in the grouping of these tiny particles.

If there **is no final** building block of matter or energy then the key to Everything **must** be in the group.

Which segues to my next theory.

¹Current theories consider electrons and photons and a host of other subatomic particles to be elementary particles, unable to be further "ungrouped," however, current theories also hypothesize that in the first split seconds of the universe, these particles did not exist and are the end result of theoretical particles grouping due to changes in the initial state (possibly of temperature and pressure) of the universe. Current technology does not allow us to actually see quarks or electrons or photons, though, so it is possible that they are made up of smaller particles (or the vibrating loops of string theory), which could be made up of still smaller particles (or smaller loops) and so on.



Queen TUT

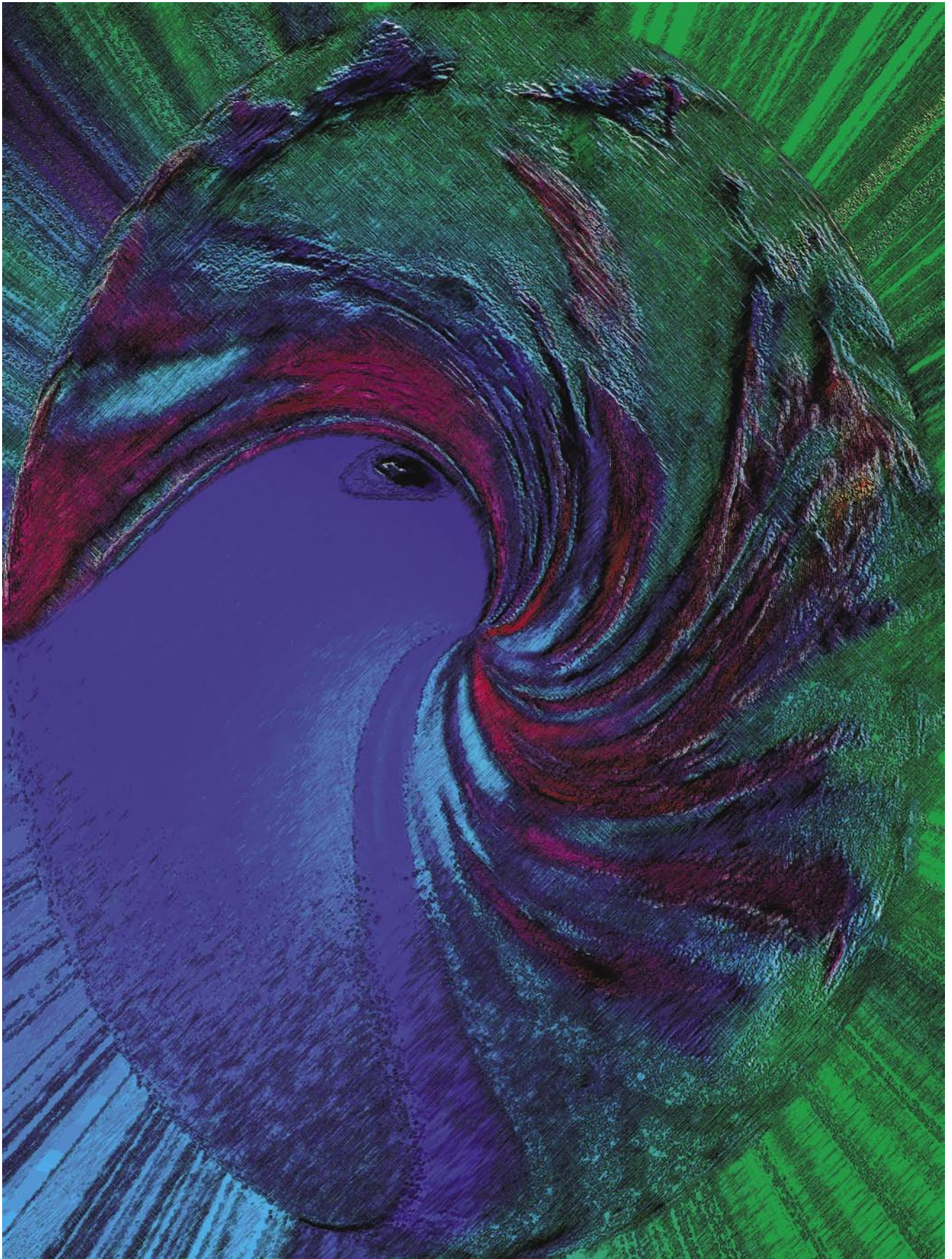
Sentience: a state of elementary or undifferentiated consciousness

Sentient: responsive to or conscious of sense impressions; aware; finely sensitive in perception or feeling

Theory of Infinite Sentience

I would like to explore the possibility that our universe is run by Infinite Sentience from the subatomic to the cosmic. Maybe humans are not the only sentient beings on this planet, but a part of a pattern of sentience, tied to groupings, which exists on infinite levels.

Maybe things happen because infinite numbers of decisions are being made by infinite numbers of sentient entities coming from infinite grouping and size perspectives—infinity to the power of infinity: ∞^∞ .



Infinite Sentience

The Perspective Horizon

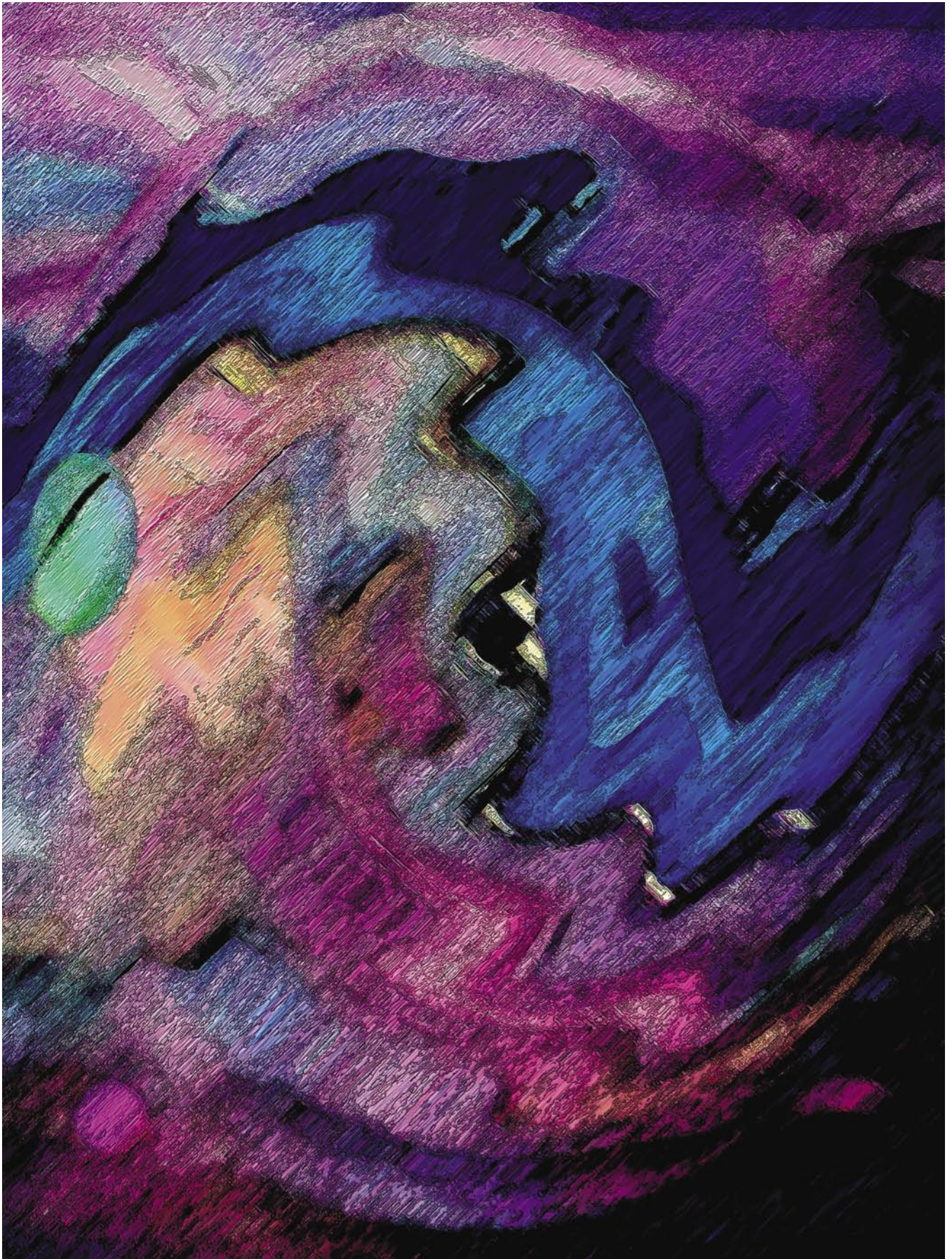
I call these infinite perspectives the perspective horizon. We all sit in a different position on this perspective horizon and are only able to see those entities that are within our own specific range. This perspective horizon extends infinitely in all directions.

What is the fundamental, underlying principle of a tapestry? Are the micro-fibers more important than the overall pattern of the tapestry? Are both absolutely fundamentally equal from their individual places on the perspective horizon? The pattern can be used on different mediums; the medium of the tapestry can be used for different patterns. Can we imagine an entity for which the medium is critical but the pattern is invisible...a blind person? Can we imagine the opposite?

Even if we allow the vibrating strings of String Theory¹ to be the smallest unit of sentience, rather than just as small as we can currently theorize, that unit doesn't necessarily describe the whole any better than any other point on the perspective horizon, as the perspective horizon remains infinite. All points (of view?) on it are exactly in the middle as each point would be surrounded by infinities.

Does every person, place, thing, political point of view, religion, or other ideology, work choice, reading choice, past time choice, fashion choice, relationship choice carry its own validity from its own particular unique place on the perspective horizon? Maybe no place on this perspective horizon is any more special than any other place on this perspective horizon. Maybe nothing is more fundamental than anything else. Could the study of food or dance or ants or cells all show us patterns that help us understand the totality of our universe every bit as well as the study of fundamental particles or of the cosmos?

¹According to String Theory, protons and neutrons are made of quarks under which sit vibrating strings of varying, possibly infinite, frequencies in ten dimensions (nine spatial plus time), maybe creating a wave-particle duality between the quark and the string. Electrons, photons and other subatomic particles would also be strings. The grouping of these wave loops would lie at the bottom of Everything according to this theory.



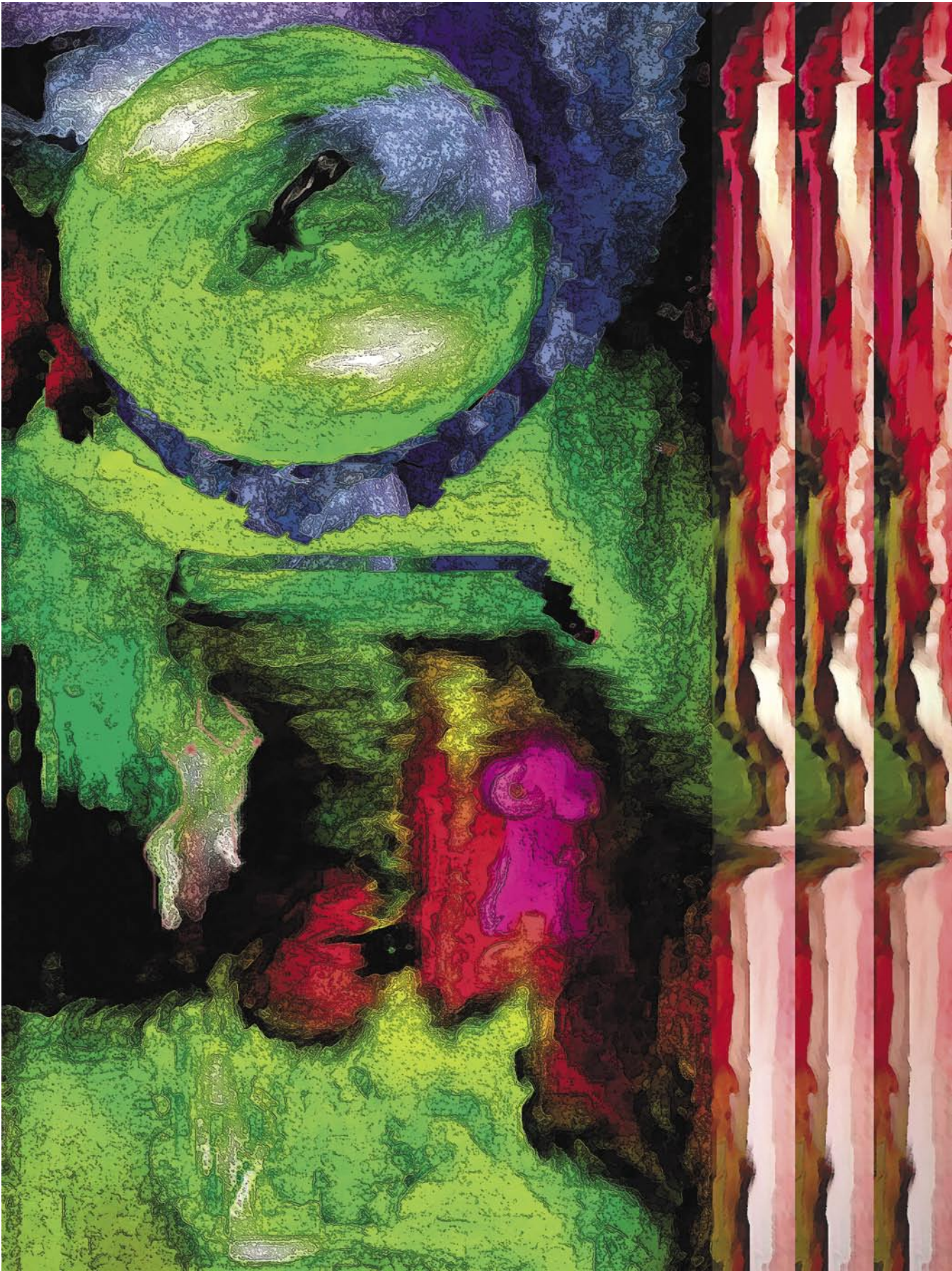
The Perspective Horizon

I first ambled down this mental trail while thinking about Evolution. Evolution at the level of multi-celled creatures seems very obvious. A zebra looks too much like a horse; we look too much like other primates; dinosaurs look too much like reptiles, etc. for me to doubt it.

However on the microscopic level, that moment when life was created from the primordial stew of non-living molecules...how did that happen? One minute there were non-living molecules floating around, the next minute they grouped into one-celled living creatures? How?

How did these one-celled creatures turn into multi-celled, sentient me? What is the mechanism? At one time there were only one-celled creatures, which bonded together to form multi-celled creatures, which began to act as one creature, which eventually emerged a consciousness. How does that work? What law of nature made that consciousness happen? The Weak Nuclear Force? The Strong Nuclear Force? Gravity? Electro-Magnetism? The Laws of Thermodynamics?

Maybe we're asking the wrong question. Just like in a murder mystery, maybe we need to look for motive. Maybe WHY they grouped is more relevant to Everything than HOW they grouped.



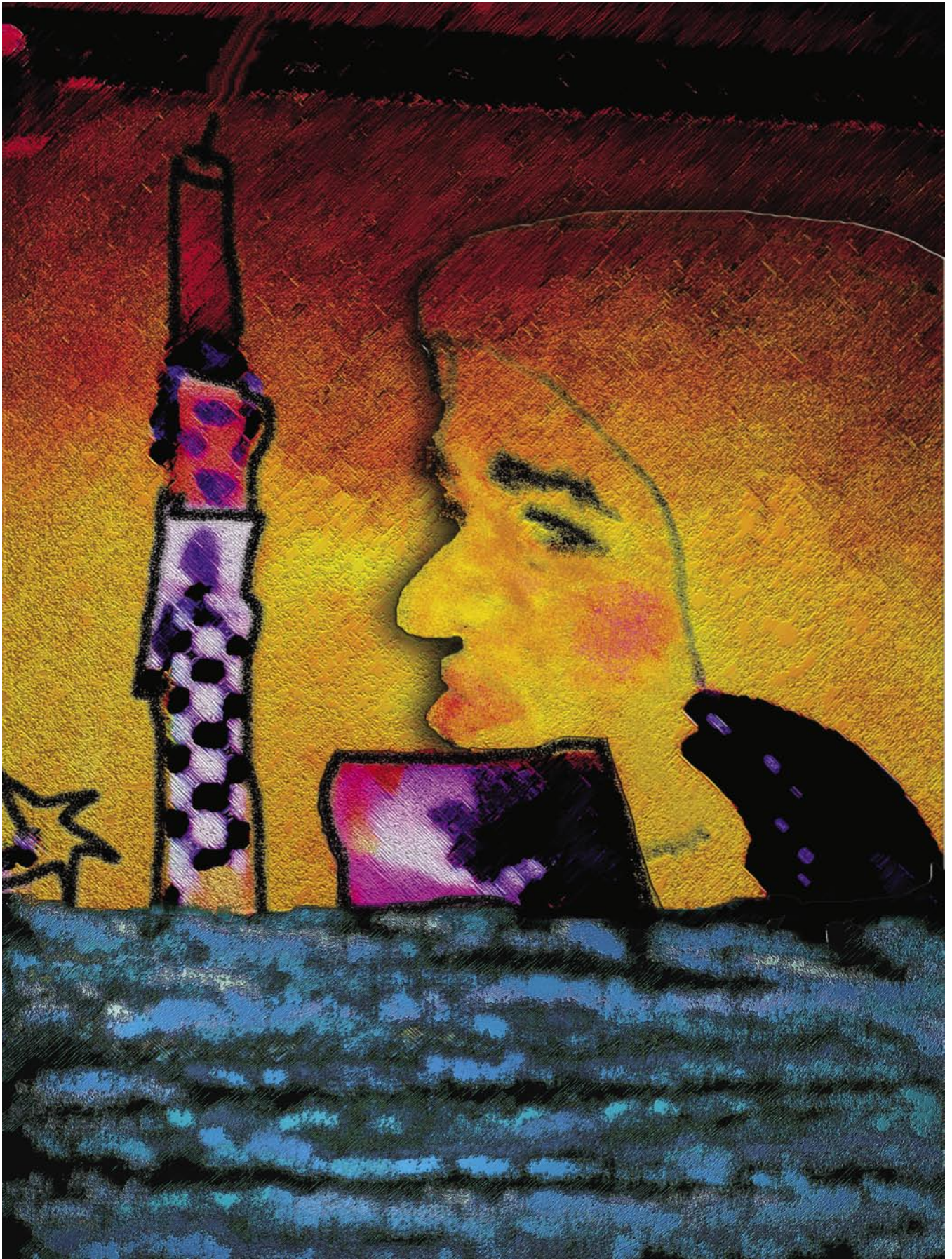
Evolution

As a thought experiment, let's reverse current philosophy that the Human Species has the only known sentient beings. Let's not make humans part of the rule by removing our sentience (as in the philosophies that bring out our "animal heredity"), but rather by granting sentience to Everything Else.

If the one-celled creatures of which I am made were sentient (and still are) and bonded together in much the same way that humans form families and cities and states and countries, to form organs and circulatory systems and other sentient entities, then there is no need for anything new to emerge. Human culture would be evolution up close and personal. Culture wouldn't Group out there all by itself as a human phenomenon. Just as one geographical area may become the energy producing area, or classical music center, or grain producing or wool producing area or city, so organs may have developed, specializing in digestion or respiration or hearing or sight.

We claim to be the only creature to have built structures as elaborate as our skyscrapers or our devices that allow us to conquer the skies and the sea. Consider that the one-celled creatures of which we are made, created us, creatures millions of times larger than they are (as a city is thousands or millions of times the size of an individual); creatures with eyes (Hubble telescopes?) that are able to bring back images and report these images to the rest of the colony; creatures with ears (satellites?) that are able to bring back sounds and report them to the rest of the colony, etc.

I feel very strongly that I have free will (at least now and then); do the members of the colonies that make up my inner cosmoses feel the same way?

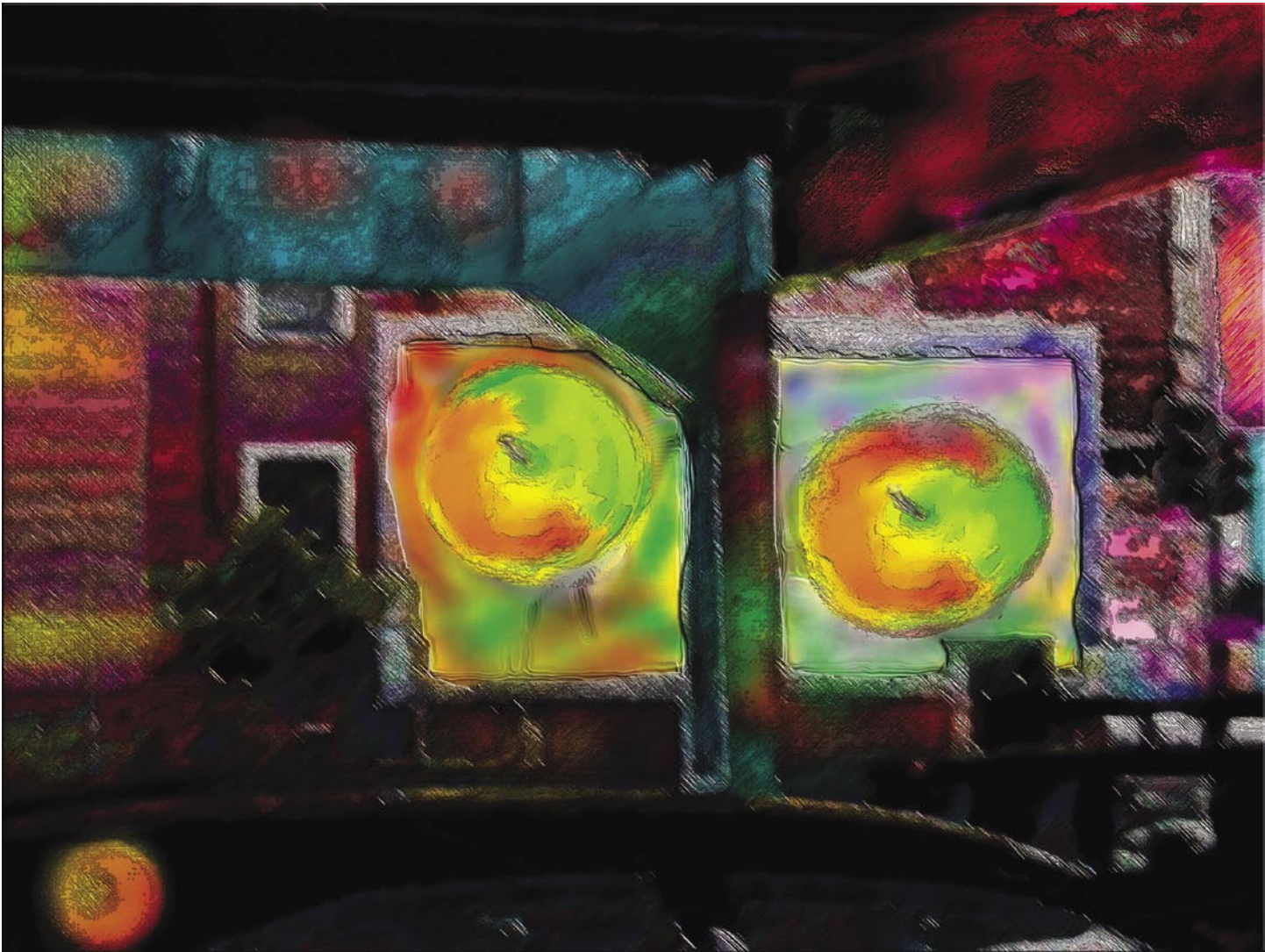


Part of the Pattern

I have been dissatisfied with the current explanations of how humans emerged from non-sentient primates. The religious evolutionists propose that God blew the spirit into man. The scientific emergence theories seem to have the same breath happening, it's just paced differently---it takes place over a much longer period of time.

But what did that first glimmer of sentience look like? What was it made up of? What is it made up of today?

If Everything is sentient and always was sentient, then there is no need for this breath of spirit or emergence of sentience. The spirit was always there. The sentience was always there. Everything is spirit/sentience.



Adam and Eve

I am offering for discussion the theory that the vast colonies of microbes, bacteria and other entities of which we are made, combined for the same reasons that humans combine: they made decisions; they are still making decisions; our cities are making decisions; galaxies are making decisions; the atoms that combined to form molecules and the molecules that combined to form DNA were and ARE all making decisions.

No clockwork universe in my world!



Time Passing