

concepts in the book and supposing that findings that refuted the book were in error. I obviously wasn't an impartial observer. As a result of my own study of the book, I began to realize that there were some things with which I wasn't comfortable.

There are several categories of problems that I see in the science and cosmology. In the first category are things such as the rotation of Mercury and the distance to M31, the Andromeda galaxy. These can be verified as incorrect by modern astronomy with methods that astronomers agree are reliable. The other problem category is more difficult to deal with; it is information not verifiable by reliable findings of modern science. This would include things such as the nature of light, and the astronomical topology of the universe. For instance, one of the authors of the book seems to say that light is composed of high speed electrons. However, electrons have a known mass, photons of light have none. Perhaps electrons undergo some sort of metamorphosis when they are accelerated to some critical velocity. Nevertheless, the idea of light as a stream of electrons seems unlikely to me. Another problem for me is the astronomical configuration of the universe presented by the authors. A case can be made for the Milky Way Galaxy being either a superuniverse, a major sector or only a minor sector, depending on which author's information we use.

Astronomers are in the process of mapping the universe at the present time. Their pictures so far don't show anything like seven great conglomerations of stars and galaxies orbiting a central point. Their computer calculated and displayed distributions do show some structure: The universe is like a froth of bubbles. Galaxies form the surface of the bubbles; the centers of the bubbles are nearly free of galaxies. This hardly seems like the picture given by The Urantia Book. Of course, perhaps the book is correct, and we just haven't mapped the universe in fine enough detail yet, or perhaps the delineations between structures in the master universe are not well enough defined to discern the structures described in the book. If it's any consolation, the "frothy universe" theory creates as many problems for Big Bang cosmologists as it does for cosmologists in the Urantia movement. It's hard to imagine how such structures could have resulted from the Big Bang. On the plus side, the streaming motion of galaxies around the so-called "great attractor" is reminiscent of the motion of superuniverses around the Paradise center of the master universe.

It would be gratifying if our 20th century science were advanced enough to give us accurate bench marks to measure the cosmology of the book against, but such is generally not the case. We have a dilemma when we try to measure the cosmology of The Urantia Book using a yard stick whose length may be in error. While we often don't have an reliable standard against which to measure its accuracy, nevertheless, some of it seems suspect. Yes, the book does say that some of the information will become outdated, but some of the problems are more serious than outdated concepts. Problems with the book such as the rotation of Mercury and similar perplexities had earlier led me to one hypothesis: The faulty information was deliberately planted there to show us that the book is fallible so we won't worship it. But another thought has entered my mind after reading some recent things about the origins of the book (such as Birth of A Revelation by Mark Kulieke.) The authors

THE ENIGMA OF LIFE

First there was artificial intelligence, now there is artificial life. Perhaps when you hear such a term, you think of Dr. Frankenstein in his forbidding castle, patching together used body parts and charging them with electricity to bring a monster to life. Are those who speak of artificial life a 20th century version of Dr. Frankenstein? What makes them think they can fashion life?

To understand the vain attempts to create life in a test tube, we must understand the concept of the origin and nature of life held by many modern biologists. 20th century science has no room for gods and demons, having so recently been freed from them by the ascendancy of science during the ferment of the renaissance. No more seven day creation stories. No more people molded from the clay of the earth. Life is no longer sacred; it is just another field of scientific study. Since science can no longer admit that an act of will may have been involved in the appearance of life, it must have had an accidental origin. We would seem to be a chemical accident. No divine intercession required. Take a mud puddle, add heat and electricity, and Presto! single celled creatures appear. And you thought that scientists don't believe in miracles.

The implication is clear: If Mother Nature can whip up life in a complex mud puddle, so can we. Take some carbon dioxide and water, heat it to simulate volcanic heat, and zap it with electricity to simulate lightning and what do we get? Amino acids, which are necessary parts of the cell structure, but which are elementary when compared to the complexity of DNA, the giant double helix gene-bearing molecules in the nucleus of the cell. "Yes, but nature had billions of years and trillions of tries to do the job; we haven't been able (so far) to duplicate that in the lab," the biologist tells us. OK, lets give the accidental origin theory the benefit of the doubt. If we assemble all of the chemicals in the proper sequence, would the conglomeration be alive? What the heck is life anyhow?

The astute Mr. Webster has 19 definitions of life in his dictionary. One of them is (in essence): It is that characteristic which distinguishes a living from a dead body. Not much help there. Another definition tells us: That which is alive has capacity for metabolism, growth, reaction to stimuli, and reproduction. Mr. Webster has told us what something alive does, but not what it is. But we shouldn't be too hard on him; it's a pretty tough question, and the biologists are probably the only ones who even dare tackle the answer.

Biological experimenters have been able to assemble complex molecules into objects that had a few of the characteristics of life, but never all of them. They have not produced life, and The Urantia Book authors say they will never be able to do so. The Life Carriers can fabricate life forms in their laboratories, but even these life forms have one significant limitation; they cannot reproduce. (Pg. 404A) The authors inform us that it is the Mother Spirit who endows life with the ability to reproduce. There is no fully functional life without the action of the Mother Spirit.

