

Chapter 1

Mother Earth Needs Help

In the late 1960's mankind's dream of space flight was fulfilled, and our astronauts upon viewing planet Earth from a distant point in space, proclaimed their awe at the beauty and majesty of our home planet so gently turning in a sea of velvet space. Some of them described Earth as appearing fragile, and even as they viewed its beauty, they were appalled by thoughts of the man-made contamination and strife which was seething and expanding within that beautiful and peaceful setting.

History shows that there has always been turmoil and natural contamination upon Earth. However, in the past few hundred years, it has increased alarmingly because of uncontrolled application of the fruits of our comparatively young but rapidly developing, man-conceived sciences. Many modern scientists have predicted that we are rapidly approaching a point of no return; that we are at that point of deterioration where correction is no longer possible and decline will inevitably continue until Earth can no longer support life. On the other hand, students of history and prophesy are finding evidence to support an expectation of intervention from an outside source before we reach total destruction. Whether or not either of these extremes are as impending as predicted, the

fact remains that our world situation is critical and our concern regarding it is real. It calls for drastic action quickly. Like the man who, while traveling a rugged, mountain trail on a dark night, rode his horse over a steep cliff. As they plunged towards certain destruction, his presence of mind came to his rescue, and he hollered, "Whoa!" just before they reached the bottom.

Our need for presence of mind and quick action is just as urgent now. It is, indeed, time to hollar, "Whoa!" Whoa to all the contamination of Earth and to world strife.

Even though the application of knowledge acquired by man's rapidly developing sciences may be blamed for our desperate situation, it is still to science that we must look for guidance as we seek the way out of this plight. Our science has many branches, all of which can be listed in one or the other of two categories which are diametrically opposite to each other. These are: (1) natural sciences and (2) man-conceived sciences.

Natural science is the practice of working *with* nature. More specifically this means working in cooperation with local forces of our Earth and Sun, as well as other, more subtle Life forces. It works with long-term, stable and permanent phenomena of nature without upsetting the ecology. These natural sciences, strangely enough, enjoy the least prestige as a science, even though they supply us with our most necessary and urgent commodities such as food, fuel and many other resources involving the very essence of Life.

The man-conceived sciences on the other hand, alter or change the state of materials already in existence in order to make them usable for man-designed purposes. The advance of this science calls for ever greater changes and alterations; therefore, it follows that the deeper man-conceived science probes into materials of Earth, the more contaminating are the results. For instance, in the development of fuels, the natural burning of wood was the least contaminating, while each step following: coal, oil, gas and especially atomic fuel has been more destructive, noxious and harmful to life on Earth.

Let us take an unbiased look at the man-conceived science of nuclear physics, which has made the deepest penetration into the unknown. Only 30 years ago this science seemed our hope for a long term answer to our diminishing fuel or energy supply. However, during this time period, we have moved ever closer to the brink of disaster. We now have wide-spread military and industrial contamination as a result of tests and use of nuclear weapons and fuels. We have millions of gallons of boiling, seething by-products from their manufacture, which by-products constitute the most lethal poisons on Earth. Moreover, these poisons lose only $\frac{1}{2}$ of their lethal potential in 24,000 years. It is even more appalling to realize that these poisons are buried in the skin of Mother Earth in short-life containers, some of which are already leaking. Such a pursuit of science leads down the road of no return. In no way could the natural sciences have survived for so long had they pursued such destructive means to achieve results. What is needed is a common breakthrough in understanding to which all branches of science can relate, and with which they can work co-operatively to solve the problems of our present civilization.

At this time of rapid change in concepts by both the natural and the man-conceived sciences, we cannot afford to either defend or reject all of our currently accepted concepts. Instead, we must use our intuition and wisdom in an all out effort to discover and copy Nature's methods which have proven so enduring. Our goal is a clean environment, and the solutions must lie in putting together as is shown by nature. This goal can be reached without going backwards to the physical inconveniences of the days before our young, miracle-working sciences were developed.

Try as one might, a book on clean energy and the science of tomorrow cannot be written without including an analysis of the phenomena and natural settings in which this science must be nurtured. By the time we reach the closing chapters, the progression of these analyses will make it clear that an abundant source of energy does exist, that the method for tapping it is natural, and that because of this naturalness, it will not result in contamination.