

The nuclear winter hypothesis is, therefore, false. Its advocates have not proven its truth. Moreover, because of its potential political importance, reliable new evaluations have been undertaken which prove the hypothesis to be false.

Nuclear winter lives on only as a political phenomenon – a political fraud. It is repeated by the advocates of American surrender to the Soviets, because it serves their political purposes.

If nuclear winter were solely a scientific matter, it would be an embarrassment to its authors – faulty science – multiple errors which they would need to “live down” by other accomplishments in the hope that their colleagues might eventually forget.

However, in today’s strange world of pseudo-science and political-science, nuclear winter has become a calling card. Its advocates have demonstrated their political credentials and have permanently endeared themselves to certain dangerous elements within our political system.

2. Genetically Deformed Children and Cancer

Although the antinuclear propagandists are adept at originating doomsday myths, they have damaged America most effectively with more modest myths, especially false scare stories about low intensity radiation.

Our bodies are made up of molecules composed of atoms, and our eyesight enables us to detect atomic and molecular energy radiation in the visible energy range. We cannot, however, see radiation in the higher energy, gamma range even though we are continuously bathed in gamma radiation (See Appendix 5 - Radiation and Fallout - *Fighting Chance* - Ref. 14).

Nuclear reactions differ from chemical reactions in that they involve the rearrangement of the particles of which the nuclei of atoms are made rather than rearrangement of the atoms themselves into different molecular configurations.

Since the binding energies which hold nuclei together are much greater than the binding energies which hold molecules together, nuclear reactions release or absorb larger packages of energy. These packages are usually pure energy, like gamma radiation, or packages of mass and energy like neutrons, electrons which are called beta radiation, or helium nuclei which are called alpha radiation.