

DDI 03

C/P

War? What's War?

(S)

SPACE COLONIZATION GOOD

2NC Bam! Pow! Slam!
Science = extinction
Modern Living = Extinction
Pollution – Extinction
Vaccines – Extinction
Biological Epidemics = Extinction
Generic Shit = Extinction
Space Colonization Solves Extinction

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*THERE ARE A COUPLE MORE IMPACTS TO SPACE COL. GOOD IN THE METHANE HYDRATES NEGATIVE AND IN THE BIZ CON FILE. GO DESTROY SOMEONE.

- KW, PROUD MEMBER OF **NEGRITUDE**

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BOOM! BAM! POW! SLAM!

8 phenomenal sub-pointed reasons why space colonization solves extinction – star this card, you won't regret it

FALCONI, BS degree in Physics from M.I.T, 1981

(Oscar, The Case for Space Colonization-Now!)

PARTIAL LIST OF CAUSES OF MAN'S EXTINCTION

1. Genetic Manipulation - A good possibility that peaceful research now taking place will evolve uncontrollable 100% lethal epidemics from man-made organisms.
2. Mass Vaccination - of populations with vaccines that were insufficiently researched and tested, or improperly prepared, either accidentally or deliberately. Mass sterility, death, or genetic destruction, now or later, could result.
3. Ecological "Flip" - The establishment of a very different, but stable, environmental equilibrium by man's exceeding an unknown pollution threshold level.
 - a. Atmospheric pollution, affecting earth's thermal balance, from auto, industry, or SST effluents.
 - b. Atmospheric pollution, affecting the ozone layer, from aerosol sprays, SST's, and nitrogen oxides from a limited nuclear war.
 - c. Ocean pollution, from industrial wastes and human sewage. The manner of man's demise, soon, by important authorities.
 - d. Weather (or climate) manipulation, but with no knowledge of short and long term effects, or threshold levels. The effect of reactor effluent Krypton-85.
4. World War III - Third World nuclear capability plus irresponsible, impulsive, actions of incompetents, or a great nuclear holocaust due to large quantities of superweapons: B-52's, B-1's, Minuteman III, Polaris, Trident, etc., and their Russian counterparts, resulting in man's extinction due to excessive worldwide radiation level or by inducing an ecological flip.
5. Chemical, Bacteriological, Biological, or Germ Warfare, resulting in uncontrolled epidemics, long term genetic effects, or an ecological flip, eliminating human life.
6. Nuclear Reactors - The present controversy centers around major accidents, leakage, transport of fuel and waste, sabotage, release of extremely carcinogenic plutonium, waste disposal, theft of fuel or waste by individuals or terrorist groups.
7. Advanced Experimentation - Furious competition in all fields of research, possibly initiating some catastrophe which man had no reasonable possibility of predicting. Modern lasers, particle accelerators, etc., are creating effects unknown in the universe until now. Also, a research breakthrough could tempt a country to undertake world conquest, accidentally ending all human life.
8. Short or Long-Term Genetic Effects - due to:
 - a. Irresponsible mass vaccination or fluoridation.
 - b. Mass ingestion of vast quantities of large numbers of untested food additives.
 - c. Massive irradiation from television sets, medical X-rays, and industry.
 - d. Accidental or deliberate leakage from many nuclear reactors now extant or planned.
 - e. Deterioration, leakage, theft, or sabotage of underground or underwater radioactive waste disposal sites.

Above have been listed many different ways in which man can be wiped out. Further study should uncover many, many more. And surely no amount of study will be able to ferret out the vast number of very subtle, and thus very unpredictable ways of ending our fragile human existence. We should marvel at how the aerosol problem was predicted before there was any indication of a problem. Many thanks are due chemists Molina and Rowland, for they just may have given mankind a few more important years on Earth.

Examining the above list, both known and unknown, one must be impressed with its quantity, variety, and subtlety. Hopefully these deleterious effects will only add, and not multiply. We might allay our fears by applying some sort of "Environmental Superposition Theorem" and thus justify addition instead of multiplication, but again, we just don't know.

In our ignorance we should take urgent steps to protect man's future and proceed with the colonization of space immediately.

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EXTINCTION INEVITABLE NOW - SCIENCE

We are fast approaching extinction by means of advanced scientific experimentation

FALCONI, BS degree in Physics from M.I.T, 1981

(Oscar, The Case for Space Colonization-Now!)

It goes without saying that man's present state of knowledge and understanding is primitive. We have little idea of the fundamental relationships of time, space, action at a distance, life, and so on. There may be a "universal law" stating that research by an advanced civilization progresses in such a logical way that some test or experiment is normally performed that exceeds some limit and unexpectedly causes the civilization to be wiped out before it's had a chance to colonize outside its own planet or solar system. Science in the last few decades has progressed at a phenomenal pace. If there is a limit that we mustn't exceed, we're fast approaching it.

We are now performing experiments wherein the value of certain parameters are seldom surpassed in the entire universe. For example, by means of the laser, recent techniques have produced magnetic and electric fields, energy densities, and temperatures that are found only at the center of our sun. Within decades we'll greatly surpass nature itself in many domains. Are we absolutely sure that some obscure physical effect won't chain react the earth right out of existence?

A further example - the race for the biggest high-energy particle accelerator could easily be the mechanism by which all life on earth is ended. After all, even back during World War II, farsighted people in the Manhattan Project made a cursory examination into the possibility that the 1st atomic bomb at Alamagordo might set off a chain reaction in the atmosphere. Such studies probably aren't being made today. The rush to publish and the need to cut corners, time-wise and money-wise, are the reasons.

EXTINCTION INEVITABLE NOW - MODERN LIVING

Modern living means extinction

FALCONI, BS degree in Physics from M.I.T, 1981

(Oscar, The Case for Space Colonization-Now!)

In attempting to improve his lifestyle, man has come up with a large number of ideas to increase his pleasures, conveniences, and efficiency. But some of these ideas can have subtle unpredictable dangers that only hindsight can sort out.

HE CONTINUES...

MSG (monosodium glutamate) might be considered safe after 5000 years of use in China, but even this chemical was questioned recently because of the vast use now made of this flavoring agent. And who's to say that no genetic damage can occur when a generation of children have been gulping down Kool-Aid, the powdered form of which contained 28% pure cyclamates, a suspected killer.

Fluoridation - Mass fluoridation of our water is much like mass vaccination of children. We don't know what the long term effects will be. One 20-year study discovered that cancer affecting the gastrointestinal, urinary, and female organs is 15% higher in fluoridated cities than in non-fluoridated ones, for a total of 500,000 additional deaths over the 20 year period. Over 90 million Americans now drink artificially fluoridated water, which seems risky considering what little we know, much of which is bad. If cancer is the only problem, we should consider ourselves very lucky.

Nuclear Reactors - The furious proliferation of nuclear power plants is of greatest concern to most people because of the thousands or millions of casualties resulting from a leak of radioactive material or from the reactor going past "critical". But just a million lives is of no importance to us here. We are concerned only with any effect that will exterminate all of mankind.

For instance, from Prof James D Watson, Nobel Laureate, we have: "Only the tiniest traces of plutonium are needed to induce cancer, and, if its use becomes widespread, accidental or deliberate catastrophes may cause wide regions of our earth to become uninhabitable for 1000's of generations." Here we are just a miscalculation, a misconception, or a misdeed away from finding our whole planet to be uninhabitable.

Another example: Krypton-85, a reactor by-product, is being produced and released into the atmosphere in such quantities that inadvertent weather changes are predicted within several decades.

"Our present understanding of atmospheric processes is insufficient to determine the extent of consequent weather changes . . . It is likely that Krypton-85 will accumulate in the atmosphere faster than our knowledge of related phenomena accumulates." W.L. Boeck, Prof of Physics Niagara University, N.Y. Of equal concern is the problem of the nuclear waste. This also can be fatal to all human life, and is discussed later.

Television - Nearly every child and young adult in the world, especially in the U.S., spends a good part of his prechildbearing years in front of a television set absorbing "soft" X-rays emanating from the high voltage circuitry. The "recommendation" is that if one remains more than 6 feet from the set, then the chances of a mutation are "negligible". This is just another case where the whole population is simultaneously exposed to a new variable, capable of vast long term damage, whose effects have never been adequately tested considering what's at stake.

And just how many extremely subtle, innocent, activities are unknowingly and unpredictably leading us to a tragic premature end? We of course can never hope to predict, or even detect, every eventuality in time. A backup colony in near space appears to be the only solution.

" . . . I'm glad I'm not a young man and I'm sorry for my grandchildren." David E Lilienthal - Jan 1976 First Chairman of the U.S. Atomic Energy Commission

** Worldwide lead pollution over the centuries is indicated by the concentration of lead in different levels of polar ice. Since industrialization began, about 200 years ago, the lead content of polar ice has increased by a factor of 400!! The World Health Organization warns that the average human lead intake is already 70% of the "provisional tolerable intake". Recent work has found, however, that WHO's safety level should have been set much lower, meaning we're ALL now absorbing intolerable amounts of lead. As Rome fell, so falls mankind?

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EXTINCTION INEVITABLE NOW - POLLUTION

Runaway pollution will kill us all

FALCONI, BS degree in Physics from M.I.T, 1981

(Oscar, The Case for Space Colonization-Now!)

The study of the atmosphere of the planet Venus has pointed to a runaway greenhouse effect in order to explain the surprisingly high surface temperatures. The "runaway greenhouse" concept goes as follows: a temperature increase causes increased water evaporation which in turn causes greater infrared absorption, causing an even greater temperature increase, and so on until a new equilibrium is found at a very high temperature. That is the situation on Venus.

But earth's atmosphere is now being strongly modified by man and the risk of some runaway effect is not negligible. For the past half dozen years there has been a change in the global weather patterns. Tragically for us, they're changing in a highly unpredictable way. Is this the onset of a runaway situation? Our air now contains 15% more carbon dioxide than it did 100 years ago. There hasn't been that much CO₂ in our atmosphere for about 800 million years. Dr WL Gates, Director of the Climatic Research Institute, states: "If atmospheric CO₂ increases at its present rate, global warming may amount to a climatic catastrophe in the 21st Century."

Simple pollution will never kill off mankind. As the pollution level becomes lethal, the population decreases, and so does the pollution. A population-pollution equilibrium is thus established. However, we know very little about the complicated, non-linear interplay between the various pollutants and the environment. Increasing the concentration of some pollutant over and above an unknown threshold level might start a runaway reaction that quickly increases some lethal factor's level until all human life on earth is dead. We just don't know!

For instance, though he often tends toward abrasive exaggeration and incitement, Dr Paul Ehrlich may be right when he says that the SST (Supersonic Transport) may have ended all life on earth had the U.S. gone ahead with it. Exaggeration and incitement have been avoided in this discourse, but, in fairness to Dr Ehrlich, they might be justified in order to shock America and the world to the dangers around us.

We could well be in the midst of a different runaway situation where the ecological equilibrium of our oceans is flipping from one stable condition to another very different stable condition. The great concern is that the new equilibrium mode, of man's doing, may not include man. Senator Ernest F Hollings and Jacques Cousteau agree that mankind could perish merely from ocean pollution due to industrial wastes and human sewage. Cousteau feels that this could come about in 30 to 50 years. Margaret Meade gives man 25 years!

Of course, from time to time, for 1000's of years, persons have been predicting the end of man for one reason or another. But as mentioned before, the present is unprecedented. For the first time we can speak from a position of some intelligence, with convincing arguments. Cousteau has conveyed great "distress and concern at what is happening to our oceans; our planet; and ourselves." He pleads: "I beg you not to dismiss this as science fiction. The oceans can die, these horrors can happen. And there will be no place to hide.

"Civilization will end within 15 to 30 years unless immediate action is taken against problems now facing mankind, especially pollution . . ."

Dr George Wald c. 1970 Nobel Laureate

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EXTINCTION INEVITABLE NOW - VACCINES

Vaccines will kill us, space colonization key to avert extinction

FALCONI, BS degree in Physics from M.I.T, 1981
(Oscar, The Case for Space Colonization-Now!)

From Britain's "Lancet": (18 Aug 1979): "There is a relationship between crib death and immunizations." (12 Jan 1980): "Persons who received the TB vaccine got more TB than those who didn't." (24 Nov 1979): "At last count there were 2525 cases of children reduced to vegetables by vaccine damage." (just in the UK alone!)

Another illustration, closer to home, of how disaster might strike an intelligent and well-meaning civilization: much has been made of how vaccines could permanently eliminate German measles, polio, mumps, and many other maladies. By merely vaccinating all our babies and children, the United States might be entirely free of these problems and several hundred young lives would be saved per year. Aside from the economics and wisdom of each year subjecting millions of children to many millions of injections, with consequent errors, side effects, and deaths, just to save several hundred of the more frail children, we must consider the possibility of inflicting the whole American and world population with massive, permanent, genetic damage. Remember that German measles is notorious for causing defective offspring. Likewise, the Salk polio vaccine has been suspected of causing chromosome damage. And mumps often troubles the reproductive organs of both sexes.

He continues...

If we continue to indiscriminately subject the whole population to every promising advance, be it vaccine, food additive, drug, etc., then the chances are not negligible that in some decade in the near future the U.S. or world population will be decimated or destroyed.

"Many voice the view that the Salk vaccine has been directly responsible for the major increase of leukemia in this country. The 'theory' that this vaccine had any value should be put to rest."

Dr Frederick R Klenner (1974) Acclaimed pioneer in medical research
After all, this is only the 20th century. In our supreme ignorance compared to the 21st, or the 31st century, we recklessly choose to play with fire. Hundreds of young lives a year, for instance, lost to polio, rubella, or whatever, isn't a high price to pay for protecting trillions of unborn Americans. A few generations of human testing for each new advance is probably all that's required to prevent a catastrophe.

But since it doesn't appear that the government, or the medical profession, or the drug industry, will ever be convinced of the above arguments, humanity's only protection is a space colony. There's an urgent need for an isolated backup civilization.

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EXTINCTION INEVITABLE NOW - BIO EPIDEMICS

Biological epidemics necessitate space colonization

FALCONI, BS degree in Physics from M.I.T, 1981
(Oscar, The Case for Space Colonization-Now!)

About 30,000,000 persons died in the summer and fall of 1918 of "Spanish" influenza. This was about 2% of the world's population and far more than were killed in the 4 years of World War I. Between 1346 and 1358 the "Black Death", probably a bubonic plague, killed 25,000,000 persons just in Europe alone - about 1/4 of its population. In some parts of Europe over 3/4 of the population died.

We should interpret these historical facts as an ominous warning of man's vulnerability to forces beyond his comprehension and well beyond his control.

Less than a thousandth of an ounce of a certain bacterial toxin is enough to kill the entire human population. Bacteria, their toxins, and other substances that are even more deadly, very probably exist in many of the chemical, bacteriological, biological, and germ warfare laboratories of the world. Important questions are: Can these substances kill ALL human life? How secure are they from theft or leakage? Can they be controlled if used?

In 1974, at the now-famous Asilomar meeting, a group of 140 leading genetic researchers discussed the hazards of genetic manipulation, set guidelines, and pledged themselves to restrict certain aspects of their work in order to protect mankind from the potentially disastrous consequences of what modern science can create in a test tube. These scientists realized that they could produce a deadly virus or strain of bacteria against which there was no protection.

From France: "The threat of disseminating new infectious germs that have never existed in nature could provoke uncontrollable epidemics." And from the U.S. National Academy of Sciences: "Man has always been vulnerable to mass hazards, such as plagues and earthquakes, but he now has the capability of creating his own monumental disasters in a way never before possible."

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EXTINCTION INEVITABLE NOW - GENERIC (1/2)

Humanity stands on the brink of an unpreventable and certain doom

FALCONI, BS degree in Physics from M.I.T, 1981

(Oscar, The Case for Space Colonization-Now!)

Carl Sagan, in a recent episode of his very fine TV series, "Cosmos", has reasoned that the chance of human life continuing to exist on earth is less than 1% per century. This is equivalent to less than a 50-50 chance of lasting the next 15 years! As it stands now, it appears that most Americans (half are less than 30) will die a violent death. When the odds against us are bad, and rapidly getting worse, it's time to search for a solution.

But it's impossible to solve the problem of preventing, with 100% certainty, our self-destruction here on earth. This problem is just too complicated, and asks too much of man - such as restraint, understanding, objectivity, intelligence, compromise, and common sense - characteristics which are necessary for future survival, but seldom met with in practice, particularly in politics. We are now left in the ludicrous position of hoping we'll survive through each year.

We're all going to die!!!!

FALCONI, BS degree in Physics from M.I.T, 1981

(Oscar, The Case for Space Colonization-Now!)

As the years pass, it has become more and more apparent that intelligent life on this earth has very little time remaining, and that we're about to experience a terrifying, unpreventable holocaust!

No, this conclusion isn't reached by religious Armageddon-type considerations. Not at all. All life on earth is threatened by political and environmental problems that are quickly coming to a climax: World War III, nuclear wastes, atmospheric pollution, and many more, each by itself able to put an end to man. This book frankly examines these many causes of our destruction and gives incisive and logical arguments that will convince the reader that the colonization of space must be our generation's very first priority and must be undertaken immediately in order to save our fine civilization and to preserve our culture.

The fact that the colonization of space is the only way to save our civilization is an important concept. In this book it is shown that mankind is very possibly alone in the universe. We therefore have an enormous responsibility to prevent our destruction. This can only be done by colonizing space with self-sufficient backup civilizations, a task we are presently quite capable of accomplishing, both technically and financially, within the next 25 years.

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War? What's War?

EXTINCTION INEVITABLE NOW - GENERIC (2/2)

We are going to die for lots of reasons

HAWKING, Way smarter than you will ever be, 2001

(Stephen, 10/16)

"The human race is likely to be wiped out by a doomsday virus . . . unless we set up colonies in space. Although Sept. 11th was horrible, it didn't threaten the survival of the human race like nuclear weapons do," said the Cambridge University Scientist. "In the long term, I'm more worried about biology. Nuclear weapons need large facilities, but genetic engineering can be done in a small lab. The danger is that, either by accident or design, we create a virus that destroys us. I don't think the human race will survive . . unless we spread into space. There are too many accidents that can befall life on a single planet."

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COLONIZATION SOLVES EXTINCTION

Space colonization prevents human extinction

Oakwood Management Research Report 2003

http://www.studyworld.com/newsite/Science/Earth%5CSpace_Exploration-321855.htm

Our civilization is being threatened with overpopulation.
Soon our natural resources will be diminished to a degree
where they cannot possibly support the entire human race.
The hole in the ozone layer grows larger everyday.
Expanding the human population to the point where we live
throughout the solar system would help end the risk of
extinction. possibly even due to a single event, be it
nuclear war, or the impact of a comet.