



INTRODUCTION

OUR FUTURE

UNPREDICTABLE WEATHER and climate change caused by Global Warming poses the greatest single threat our world and all humanity have ever faced. The danger can no longer be ignored. I believe it is possible to stop Global Warming. I believe it could be accomplished in less than ten years. I also believe the prevention of Global Warming can be achieved at near zero cost. This book shows how we do it.

The effects of Global Warming are much worse than we are encouraged to believe. Global Warming is destroying the accumulated wealth and prosperity of all nations, rich and poor alike. The environmental costs of climatic change are already horrendous and are escalating. In countries all across the globe, people are dying right now because of Global Warming. The resulting loss of human life will ultimately dwarf the death toll from all the world's wars combined.

A myriad of minor environmental issues, being forced down our collective throats, is systematically blinding us to the dreadful and deadly serious reality of the destabilization of world climates. Apart from excessive human population growth, the only environmental threat with long-term and meaningful significance is the phenomenon of escalating climatic instability caused by Global Warming. Its prevention must be our absolute and overriding priority.

Global Warming is an anthropogenic problem, a human problem, created by us changing the total quantity of greenhouse gasses in the Earth's atmosphere. The principal greenhouse gas is carbon dioxide, CO₂. Since the Industrial Revolution, mankind's activities have massively increased its total quantity.

The carbon from which anthropogenic carbon dioxide derives comes from two distinct sources:

Firstly, it comes from our use of fossil carbon to supply energy for human civilization. Fossil carbon exists in the Earth's crust as coal, peat, oil, or as a variety of "natural gasses". When these materials burn they combine with the oxygen in the air in chemical reactions that produce mainly carbon dioxide and water vapour. The chemical reactions also produce usable heat. We burn these materials to produce steam to spin the turbines that generate electricity in our power stations across the country.

Fossil fuels and the heat they produce are also used to run our self-propelled transport systems. Jet fuel powers our air transport. Petrol, diesel and natural gas power our motor vehicles.

Burning these fossil carbon fuels to run power stations and transport systems releases carbon dioxide directly into the atmosphere. There is no possible way of commercially collecting and compressing the carbon dioxide for some later,

yet to be invented, disposal system.

Fossil carbon materials are also used as the raw material in the production of a wide range of petrochemical and agrochemical products. The main products are agricultural chemical fertilizers, plastics and explosives. Carbon dioxide is discharged into the atmosphere in the production of all these products.

Secondly, carbon dioxide is produced in agricultural soils as their fertility declines. Fertile soil contains large quantities of carbon in the form of soil organic matter. The important thing to realize is that there is about twenty times as much carbon in good topsoil as in all the air above it.

The massive worldwide use of agrochemicals to produce food crops is destroying the fertility of agricultural soil by breaking down the soil's organic matter. The quantity of carbon dioxide released into the atmosphere from the destruction of this organic matter is gigantic. That quantity far exceeds the total released in the manufacturing of all petrochemical and agrochemical products.

In fact, the release of carbon dioxide from the destruction of the world's farmed soils is similar in quantity to all that released from the burning of fossil fuels.

The increased level of carbon dioxide in the atmosphere is trapping the sun's heat in ever-increasing quantities. The temperature of both the Earth's surface and atmosphere is increasing dangerously. That is what Global Warming is. And that is our problem.

The object of this book is to show that Global Warming can be stopped and to show how easily this can be accomplished. In addition it is also to demonstrate that halting world temperature rises and returning world climates to normal will cost virtually nothing.

It must also be understood that if Global Warming is to be halted then the fossil carbon industries cannot continue to exist at their current huge size.

Three basic ideas form the foundation of this book:

First: The simple and economical enrichment and development of agricultural soil can extract out of the atmosphere all the excess carbon dioxide that has accumulated over the last seventy-five

years. And it can all be removed in less than ten years. This is mankind's one trump card. But it can only be played once, as the worldwide availability of suitable agricultural land is limited.

Second: There is no economic necessity whatever for us to be completely reliant on fossil fuels for our energy supply. Economically viable alternative energy systems for power generation and motor transport are now available. These are assessed in Chapter 11: **ENERGY SYSTEMS WE USE NOW AND WHAT WE MUST USE TOMORROW**. As excess carbon dioxide is removed from the atmosphere by increasing the fertility of agricultural soils, a rapid switch to these alternative energy systems will maintain normal carbon dioxide levels and maintain climate stability for ever.

Third: Fossil carbon companies, their public relations organizations and their lobbyists have seconded world environmental movements to a massive extent. They fund many of them and their operations. They are thus able to manipulate such organizations to secure continuing and ever-expanding markets for fossil carbon products. They manipulate environmental information. They have turned too many environmental movement members into their own foot soldiers, their pawns, their frontline troops, to unknowingly assist them in the marketing of fossil carbon-based products. The myriad of strategies and techniques whereby environmental issues have been twisted, or in many cases actually invented to sell fossil fuels and fossil carbon-based chemicals is covered in detail in Chapter 9: **STRATEGIES, GUIDELINES, TACTICS AND PLOYS FOR MARKETING AND PROMOTING FOSSIL FUELS AND PETROCHEMICAL PRODUCTS**.

The fossil carbon industries are powerful and their obvious preference is, like all industries, to survive, to expand and to prosper. Therefore, they constantly condition public opinion and manipulate governments and legislators throughout the world to suit their aims and plans. It's now time for us to stop being so compliant. It is now the time for us to exert equal pressure to gain what is needed and stop Global Warming.