

the tell-tale

The Price of Global Warming

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Dear reader. This essay was written in 2018, -some seven years ago.

Since that day, our planet has experienced Covid and several major climatic events,
-such as major bushfires, floods and conflicts.

These events may have caused the population growth to slow beyond what was expected,
and is likely to have slightly influenced the dates the writer has suggested.

But the situation remains the same and the writer stands by his words.

the tell-tale.

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The writer both greets and welcomes the reader,
and asks that you consider the following question.

**"In the event that you survive until the year 2040, how old would you then be?"
because you might then be living in a world where no human had ever lived before,
-in a world without ice and snow, and with ever-increasing temperatures.**

This is not Science-Fiction, it is Science-Fact,
and the blame lies entirely at the feet of our incompetent politicians.

The sources, the reasoning, and the calculations used in this essay have been carefully checked,
and equally carefully double-checked,
and the writer will back himself against any mathematician, scientist, or engineer,
who seeks to prove him wrong*.

Dear reader, you can have confidence that what you are about to read is correct.

* and if that does not invite close scrutiny of this work, nothing will.

The Facts

The reader is undoubtedly already well aware that Climate Change **is** a reality,
that it presents a real and serious threat to life on our planet,
and that the warming of the planet is solely the result of the actions of humans;
-caused by industrialisation, by overdevelopment **and by overpopulation**,
and amplified by the greed, the incompetence and the corruption of those entrusted to govern us.

The future of life on this planet has now fallen into the hands of today's young people.

Young reader, the generations of your parents, and your grandparents, have failed you.

The responsibility has now fallen upon 'your' shoulders.

The main problem lies with us humans. The planet has too many humans.

Our world is over-populated, and the population is increasing by the second.

More people means more consumption, more development, more waste, and more destruction.

It means more pollution, -of all kinds, and more greenhouse gas production,
and that can only lead to one thing, -unstoppable and irreversible Global Warming.

Unstoppable and Irreversible Global Warming will mean 'The End of All Life on Planet Earth'

It is now beyond question that the protective layer of our atmosphere has been damaged,
-both by man-made chemical-elements and by the burning of fossil fuels,
and that it is now allowing an excess of the Sun's heat to pass through.

Our planet's upper atmosphere is also being polluted by the exhaust gases of high-flying aircraft,
-both commercial aircraft and military aircraft.

These exhaust gases, -tiny carbon particles, -the products of burning fossil fuels,
together with the build-up of Methane and Carbon Dioxide, is said to create '**a blanket effect**'.

By preventing excess heat from being reflected out into space, we are causing our planet to heat-up.
This excess heat is presently being mainly absorbed by the ice and snow on our planet.

There is overwhelming evidence that the ice-cap at the North Pole is melting away,
and that the ice and snow, at the South Pole, is likewise melting, and is melting rapidly,
-each at a rate unheard of before, and that this is entirely due to atmospheric pollution,
yet the fools who are governing us continue to promote the uncontrolled burning of fossil fuels.

When the ice and snow has all melted, 'that' will be when the planet will really start to heat up.

The reader is asked to carefully consider this page, because it is important.

Each day, the ice and snow on our planet is absorbing more heat and is becoming warmer.

As it warms it moves closer to its melting point.

When ice and snow melt, that which remains becomes less in quantity,
-meaning that less ice and snow is then available to absorb the excess heat.

This causes the remaining ice and snow to warm and to melt at an ever-increasing rate;
-and this includes the ice and snow of the planet's glaciers and snowfields.

More ice and snow melted today than did yesterday,
and that which remained became slightly warmer and a little closer to melting.

Tomorrow, more ice and snow will melt than that which melted today,
less will remain, and that which remains will become warmer still;
-and this will be the case for each and every tomorrow
until no ice and snow remains.

When that happens, we will have passed 'The Point of No Return'

**When that point is reached, the full extent of the excess heat
will be applied directly to the planet's crust and to its waters.**

The Melting

It was at some time in late **2017**, that the writer watched television footage of water '**gushing**' from the shores of Antarctica.

That vision caused the writer to question where the water was coming from and to attempt to determine the date when, -if things didn't seriously change, the ice and snow on this planet would become '**no more than just a memory**'.

After much deliberation the writer concluded that the water must be that of melted snow.

It was in early **2018** that the writer decided that **1970** was an acceptable start-date for the current increase in the warming of the planet.

The reason for selecting the date of **1970** is given in **Explanation A** on page **44**.

In this section the writer has used 'a graph' to try to better explain the situation.

Many people are unfamiliar with graphs,
-graphs being not a part of their lives.

Some people even allow themselves to be intimidated by graphs.

**Dear reader, graphs are no more than lines on a sheet of paper,
and their purpose is to tell us a story**

and, -in this case, it is a very important story,
so **please**, allow the writer to try to explain the graph and its purpose.

Most times, a graph is comprised of three lines.

One, a vertical line, usually at the left-hand side of the page.

Another is a horizontal line usually close to the bottom of the page,

and there is a third line that tells us the story,

-and it may be a straight line, a curved line, or a combination of each.

In the case of the graph on page 8, the vertical line at the left side of the page tells us of the quantity of snow that existed in Antarctica in the year **1970**.

Now of course, **no one knows** how many millions of tonnes, or cubic kilo-metres of snow there was in Antarctica in **1970**, and nor could we even make an intelligent guess but, -if we work in '**percentages**', we can say that, -in 1970, **100%** of the snow existed, -which is not really as daft as it sounds, **-because it is true!**

At that moment in time, in 1970, **the snow that existed, was all there, -all 100% of it.** The reader is invited to read those lines again, -because it is important that you believe.

That said, let us now check-out the horizontal line of the graph.

In this case, the horizontal line has been used to measure the time from **1970**, until the unknown date when no ice or snow will remain, and it has been divided into **ten** equal and numbered parts.

The reason that we are doing this is to try to determine the date when all of the snow in Antarctica will be gone.

When the snow in Antarctica has gone the reader can be assured that the snow and ice elsewhere on our planet will also be gone.

It is not possible for us to determine the actual rate at which Polar snow is melting.

There are far too many variables and far too many unknowns
for us to be able to establish anything meaningful.

What we do know is that unless things change quickly, and drastically,
with each day the temperature of the snow will **increase**,
whilst the volume of the remaining snow will **decrease**.

As the volume decreases, '**the rate of warming**' of the remaining snow will also **increase**.

The following words refer to the graph on page 8.

**If we say that 'the percentage-rate of the melting of the snow',
increases proportionately to the square of the time-elapsed.*
it would give us the equation- $D - t^2 = D_2$**

where **D** represents **the depth of the snow** (in 1970.) **before** melting began.

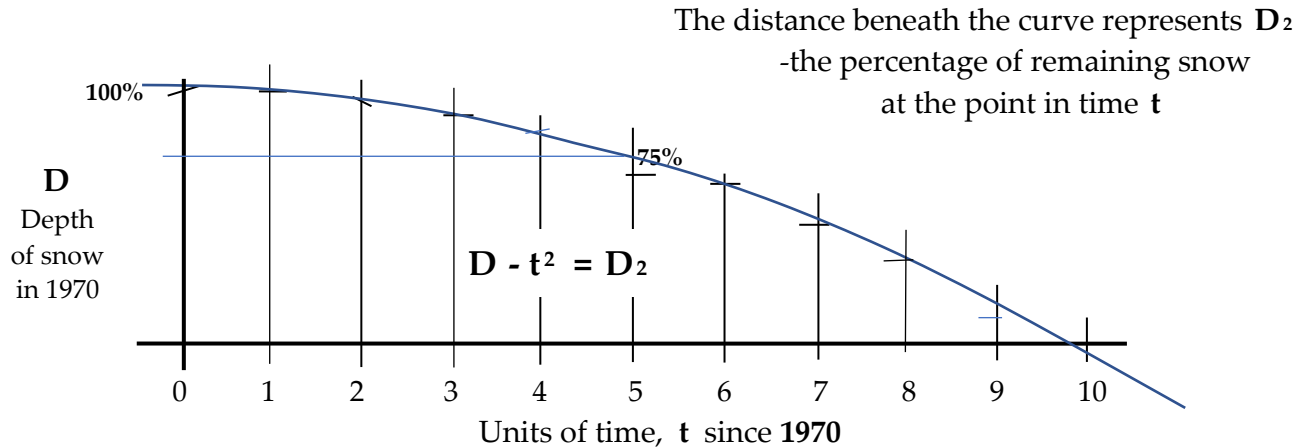
t equals **the time-elapsed since melting began**. (being a number 1 to 10.)

and **D₂** represents **the depth of the remaining snow**, -as a percentage of **D**
measured at that point in time **t**

and it represents the percentage of snow beneath the curve at that point in time,
and can be considered as being '**the relative volume of snow remaining at that point in time**'.

If the reader didn't understand this, please try reading it again, -it does make sense.

*Justification for this determination is given in the following pages.



The fifth division of the time-scale on this graph ($t = 5$)
shows the remaining snow as being at **75%** of that of 1970.

$$(D - t^2 = D_2 \quad \text{where } t^2 (5^2) = 25 \quad \text{therefore } 100\% - 25 = 75\%)$$

If $t = 5$ represents the year **2030**, the time elapsed would equal sixty years. (1970 to 2030.)

Sixty years divided by 'the five time-scale divisions' gives twelve years per division.

The ten divisions shown would then equal a total period of **120 years** for the melting process.

120 years starting from 1970, gives a final date of **2090**.

70 years from now is plenty of time to put things right, -or so it might seem.

To provide a starting point, it was **assumed** that in 2030, 75% of the snow was remaining.

Global temperatures have already increased above the optimum range, and that is **the sole reason** why this planet's ice and snow has started to melt away, and why the Polar ice shelves and the planet's glaciers are beginning to break up.

Today, melt-water is pouring into the Southern Ocean from Antarctic shores.

The Arctic Ice Cap is rapidly melting away.

The planet's glaciers are moving and its snowfields are melting.

None of this was happening in 1970.

These facts alone should be sufficient cause for concern.

In 1970, melt-water was not pouring into the ocean from the coast of Antarctica.

Today, forty-eight years later, it is.

The very first question must be- '**From where is the Antarctic melt-water coming?**'

The only plausible answer is 'that it is coming from **the surface** of the Antarctic snow', and that this is caused by the radiated heat of the Sun melting that snow.

The Science

As we know, heat will flow from a warm substance to a cooler one.

This applies equally to snowflakes.

Fifty years ago, heat from the Sun still warmed the surface of sub-zero Antarctic snow.

As the Antarctic surface warmed, heat would have been transferred to the layer of snow below,
and to the layer below that.

As the Antarctic Summer progressed, -with the then mean air temperature of **32°C**,
so too would the snow mass have warmed, -but not significantly.

With the coming of the Antarctic Winter it would have cooled back to its previous state.

As the heat from the Sun falling upon Antarctica increased,
 -perhaps as the result of Ozone depletion, and an increase in the atmospheric blanket effect,
 so too would the heat absorbed by the snowflakes increase
 and, -as a result, some snowflakes may have melted.

Let us now consider the case of just 'one' such snowflake.

If one snowflake melted, it would have been the case that the snowflake,
 -now as melt-water, would have sank to the snowflake beneath,
 and that the heat contained in the melt-water of that melted snowflake
 would be transferred to the snowflake below, and to the adjacent snowflakes,
 until all of the associated snowflakes had attained the same temperature,
 and had caused our melted snowflake to now become frozen water
 but now, -as with the adjacent frozen snowflakes, **all slightly warmer than before.**

With each successive surface snowflake **in that location** that melts,
 the temperature of this group of snowflakes would slightly increase,
 at the same time, sharing the increased temperature with the layer below.

As the number of melted snowflakes in that location increased, -it would create a tiny hole in the snow,
 and so too would the temperature of this group of snowflakes continue to warm.

Once again, with the return of the Antarctic Winter
 the surface snow would have returned to its previous frozen state,
but the tiny hole caused by the previously melted snowflakes would remain.

With each succeeding Antarctic Summer, and with increasing solar heat,
the snowflakes surrounding this tiny passage would continue to melt
and would slowly create an increased flow of melt-water,
which might cause the passage to become enlarged and more direct,
with each melted snowflake causing the temperature of the passage to slightly increase,
in turn, causing the temperature increase to extend still further below,
the process again pausing with each Antarctic winter,
**until such time as a trickle of melted snow found its way to the land beneath,
creating a tiny passage from the surface of the snow to the surface of the land below,
and thence to the coast of Antarctica.**

**Dear reader, we began this discourse using 'just one snowflake',
and 'just one trickle-down passage'.**

Forty-eight years, from 1970 to 2018, is a long, long time.

Many Antarctic Summer days are almost endless. On some days the Sun never sets.

Over a period of forty-eight years, the process just described of one snowflake melting and creating a passage to the land beneath could have repeated itself countless times.

On the surface of Antarctica there would be 'countless trillions' of snowflakes, and there could, by now, quite easily be 'hundreds of millions' of such trickle-down passages, resulting in the Antarctic snow having become, to a degree, **porous**.

It is reasonable to assume that with each passing year, and with increasing temperatures, the number of melted snowflakes that have travelled down the passages to the ocean has increased, and that the pathway for melted snow to travel to the Southern Ocean has now become well established and entrenched, giving us the situation that we have today, **where melted Antarctic snow now pours, -in great quantity, into the Southern Ocean.**

The evidence of this having happened is there for all to see.

With global temperatures still rising, -as they are today, the pathways can only get bigger, and more snow will now melt, -at an ever-increasing rate, and will then find its way into the ocean, **-and that can not be good news.**

From the writer's own deliberations, he concluded that-
the period between **1970** and the end of ice and snow on this planet, would be **68 years**,
and not the **120 years** of the graph shown on page 8.

68 years, from 1970, now gives us the year 2038.

A detailed explanation of this now follows.

This explanation is based upon the latest information available in **2018,**
and upon the assumption that things will not change.

According to people who claim to know, the Global Population is set to increase markedly.

Accompanying the projected and undoubtedly-certain increase in the global-population,
 there will be **the associated uncontrolled development, consumption, wastage, and pollution.**

The release of Ozone depleting chemicals and gases will continue unchecked and,
 -as with the release of Greenhouse Gases, **will increase in proportion to the population.**

The undoubted resulting increases in Antarctic ambient summer temperatures,
 and an unquestionable increase in the warming of the Antarctic snow,
 and the associated rapid increase in Polar air temperatures **will hasten the melting process.**

With the thawing-out of **the Arctic Permafrost**, -and the release of **massive amounts of methane**,
 it has now become patently obvious that the year **2090** (page 8.) could be no more than a pipe dream,

and that the ice and snow will be gone, long before then,

and that, -with today's systems of mis-government, greed and corruption, nothing will change.

The reasoning that follows incorporates these assumptions, and notes the fact

**that we have no knowledge whatsoever
 of how much ice and snow has already melted since 1970.**

For the year 2006,

the writer has opted for a quantity of 85% of Antarctic snow still remaining.

It was no more than a hopeful guess.

If more than 85% still remains, it will not make that much difference to the end date.

The anticipated global population increase from Eight Billion to Ten Billion
over the space of eight years *

would represent a **year-on-year increase of three percent.**

Other factors that are associated with population size include-
'Consumption', 'Pollution', 'Ozone Destruction', 'Greenhouse Gas Emissions' etc,
and each could be expected to suffer a similar percentage increase.

The writer has decided to use this three-percentage increase in his calculations.

* Details can be found on page 19.

The Calculations

There is no magic formula for calculating the date when all of the ice and snow will be gone. Each of the previously mentioned 'factors', -spoken of on page 16, -and other factors besides, will contribute toward the more rapid melting of the remaining ice and snow, and not a single one of these factors will disappear overnight. They will each continue for as long as the present systems of mis-government continues.

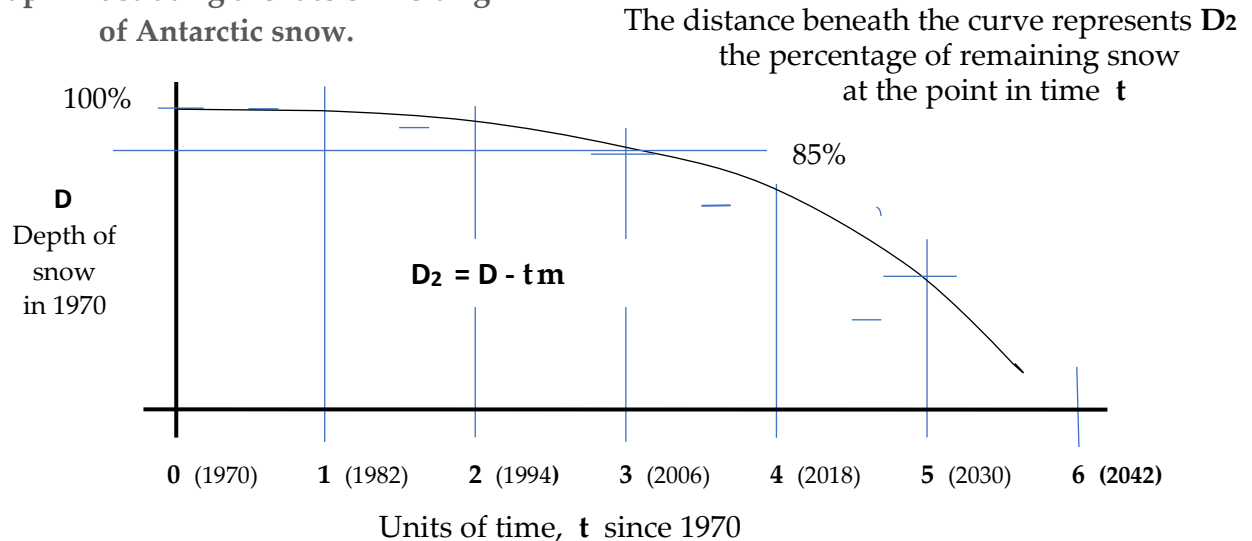
In an attempt to compensate for these year-on-year increases
the writer has been obliged to try to simulate '**the non-existent magic formula**'.
The reader is invited, -if you are able, to find a more plausible method.

The value of '**m**' has been chosen as being representative of the annual increases in the population, -and it includes the associated increases in consumption, pollution, et cetera, -and the fact that more people, means more houses, more roads, and more everything undesirable.

Details of the consequences of this are given on page 19, together with a table of calculations.

In an attempt to make it easier for the reader to understand, the writer has chosen to show the graphical results **before** explaining the calculations.

A graph illustrating the rate of melting of Antarctic snow.



The third division of the time-scale on this graph ($t = 3$) shows the remaining snow as being at 85 % of that of 1970. (page 16.)

If we let $t = 3$ represent the year 2006, the time elapsed would equal 36 years. (1970 to 2006.)

36 years divided by the three time-scale divisions gives 12 years per time-scale division.

This graph shows the end date of Antarctic snow as being 5.65×12 which equals 67.8 years.

67.8 years from 1970 translates as 20 October 2037.

Further explanation and calculations supporting this graph are given on page 19.

If each year, the melting-inducing 'factors' spoken of on page 16, each increase by 3 percent then, with each following year, there will be a 3 percent increase on the previous year's total.

In the table below, the value for 't' is taken from the graph on page 18.
 The value 'm' is the result of a repeated annual 3 percent increases for each year **since 1970**.
tm represents the percentage quantity of snow that will likely melt in that 12-year period.
 Deducting **tm** from the previous remaining total gives the quantity of snow that remains.

12-year period ending	Value of 't'	Multiplier 'm'	tm	Remaining Ice and Snow
1982	1	1.42	1.42	98.6 %
1994	2	2.03	4.06	94.5 %
2006	3	2.90	8.69	85.8 %
2018	4	4.13	16.52	69.3 %
2030	5	5.89	29.45	39.8 %
	5.65.	7.02	39.72	0.1 %

The value of 't' at 5.65 equates to **20 October 2037**.

A graph illustrating these calculations was shown on the previous page.

**What has been written is no more than guesswork, -and life is a lottery,
-and we just don't know what is coming at us down the track.**

We should be more careful about who we allow to vote and who we elect to govern us.

It could also be that, -forty-eight years ago, the Antarctic snow may have been densely packed, and that by 2006 it had become cavernous and porous, with perhaps less than 85 percent remaining.

It is important to realise that, whether the numbers stated here are correct or otherwise,
as things stand today, **and unless we act 'now',**

the day will dawn when no ice and snow exists on this planet.

We have no way of knowing of our present position on the graph,
-of how much snow still remains,
nor of the actual equation of the curve,
nor of the day when all of the snow will be gone,
but we can be assured that from this moment on, -whatever the case,
the melting will occur at an accelerating rate,
and we can no longer afford to be complacent.

If greenhouse gas emissions continue to increase, the heating-up of the planet will also increase,
and the rate of melting of ice and snow would likewise increase.

This makes it even more essential to immediately curtail the emission of Greenhouse Gases,
and to permanently end the burning of fossil fuels.

**We can no longer afford to tolerate the stupidity of our elected politicians,
and those climate-change-denying media personalities.**

The only people who will attempt to dispute and ridicule these findings will be our corrupt politicians, and those corrupt 'so called scientists' who are also on the secret-payroll of the Multi-National Coal-Mining Corporations, -together with those pathetic political 'leaders' who worship 'that imaginary man who lives in their sky, and hides in their clouds'.

'Leaders' whose singular purpose is the destruction of all life on planet Earth in order to bring on what they call 'The End Days'

so that they can then 'drift up into the clouds' to spend the rest of eternity with that figment of their warped, childlike imagination that they call 'Lord Jesus'.

These people are the TOTAL cause of the trouble.

One of them is 'Scott Morrison', -the Pentecostal Prime Minister of Australia, and that arrogant lunatic, the Pentecostal 'Donald Trump' is another.

"For as long as you continue to tolerate such people, nothing will change", and the extinction of all life on Planet Earth will become a reality.

Greenhouse Gas Emissions

Today, these 'pseudo scientists' (on the secret payroll of the Multi-National Corporations.) are telling us- **"We still have twenty-years in which to turn things around."**

They are dangerous people, and we must totally disregard them.

We have not got twenty-years, we have not even got twenty-minutes.

The very existence of life on this planet is at stake.

It is not sufficient to reduce greenhouse gas emissions to year 2000 levels.

**If life on this planet is to survive, we must quickly reduce emissions to almost zero,
-and in the shortest time possible.**

When the ice and snow has gone, it will be gone forever.

We do not have the option of failure.

**The 'Sixth Extinction' is upon us
and, -unless we act quickly, it will include us humans.**

Today's politicians, -almost certainly also on the payroll of the Fossil Fuel industry, speak of reaching '**Net Zero Greenhouse Gas Emissions**' by **2050**.

By this, they mean that they have no intention of ever reducing Greenhouse Gas emissions, but that, -in the next 30 years, they intend to plant millions of trees in the hope that the Carbon absorbed by the trees will negate the Carbon that they criminally intend to keep pumping into our atmosphere.

Every day, more trees around the world are cut down than are planted, just so that the land can be used for Palm Oil production to meet the demands of the ever-growing population.
More people, means more everything bad.

As the planet warms, -as bushfires become more common and more intense, the trees will burn. The so-called 'stored Carbon', -and much more beside, will then be returned to the atmosphere.

The Fossil Fuel Industry speaks of '**Carbon Sequestration**'. It is a hoax.

Carbon Sequestration is the lie that they have invented to allow them to continue polluting.

For Fifteen Years they have been talking about it. Nothing has ever happened. It is a lie.

The words '**Net Zero**' are weasel words,
'Net Zero' emissions are unattainable in the world of today.

What is needed now is **ALMOST ZERO** Greenhouse Gas emissions
and it is needed **NOW**, not 30 years too late.

Get rid of your corrupt politicians now, or get ready to say Goodbye to all life on Planet Earth.

Atmospheric Carbon takes a long time to decompose.

It has been suggested, -by people who claim to know,
that some greenhouse-gases present in the atmosphere of today,
will take perhaps ten years to decompose.

If true, this means that even if the global emission of greenhouse gases ceased today
global temperatures, -for a major part of the next ten years, would continue to rise
and the ice and snow would continue to melt.

We need action now, -and it needs to be positive and decisive.

Taking action thirty years too late is not good enough.

Time, -for us humans, is quickly running out.

There is now no time left to waste.

No time left to just stand around complaining.

**If our politicians will not act effectively and immediately
we must urgently rid ourselves of them,
-and by whatever means necessary.
They can no longer be trusted.**

This planet's future is now in our hands.

We must do 'whatever is necessary' to prevent the destruction of all life on this planet.

**We must put an immediate end to the Multi-National Corporation control of our politicians,
and the only way to do that is to remove those corrupt politicians
and to replace them with honest, intelligent people
who will re-introduce Corporal and Capital punishment.**

**It is the only way to stop this endless pursuit of development and increased population,
and the wilful pollution of our atmosphere, lands and waters.**

Only by bringing back Corporal and Capital punishment
can we again have honesty in our parliaments and national institutions.
Only then will people again be safe in their homes and safe on the streets.

**We need to drastically reduce the planet's human population,
and what better way to start than by ridding ourselves of the rubbish.**

It is the greed and the corruption of today's politicians
and their Multi-National Corporation and Property Development benefactors
that has got us into this mess.

And this applies the world over, not just to Australia.

But Australia is a good place in which to start.

It is now long past being a joke, -look again at the graph on page 18.

The Position Today

Water from the melted snow at Antarctica, and the ice and snow at the Greenland glacier, is **pouring** into the oceans at an alarming, unmeasurable, and increasing rate.

It is happening even as you read these words. -check it out for yourself!

The waters of our planet are in motion, and are constantly circulating about the planet, -caused by the rotation of the planet.

(An explanation of this can be found in **Explanation B** on page 48.)

Because of the constant circulation of the planet's waters, the cold melt water is slowly and gradually mixing with all of the planet's water and is slowing, and is concealing the heating-up of the oceans, **causing ill-informed people to claim that Global Warming is not happening.**

At present, the ice and snow on our planet is absorbing most of the excess heat.

As a result, the ice and snow is becoming warmer by the day,
and with each day it comes one step closer to being gone
and, -as far as we are concerned, once it has gone, it will be gone for ever.

**When no more ice and snow remains to absorb the excess heat,
the full amount of the excess heat
will be applied directly to the Earth's oceans and to the Earth's plates.**

**When this happens, temperatures will begin to rise dramatically.
We will then be long past the point of no return.
Planet Earth will then be on course to turn into A Lump of Lifeless Rock.**

We have no way of knowing how much time remains before the ice and snow is gone,
but however long it is, we cannot afford to waste even one second of it.
We must urgently do 'whatever it takes' to prevent it from happening,

This page is a late inclusion. -dated 22 July 2020.

Temperature measurement recordings taken by American scientists have now revealed that the temperature at the planet's ice-caps is increasing at a rate equal to **Three times** that of the temperate zones.

In plain English this means that a One-degree temperature increase for us represents a Three-degree temperature increase at the poles.

Scientists tell us that we must limit 'global' temperature increases to Two degrees. Two degrees for us means Six degrees warmer at the poles.

According to World Wild Life Fund for Nature, Polar Bears will be extinct by year 2050 because they will have nowhere to live, **the Arctic Ice Cap having melted away.**

This claim is supported by National Geographic, U.S. Geological Survey, U.S. Fish and Wildlife Service, The Washington Post. of January 10 2017, and other reputable bodies and organisations,

This lends support to the calculations on page 19 of this essay which clearly shows that, -unless we act immediately and effectively, **all of the ice and snow on this planet could well be gone by as soon as 2038.**

When things heat up, they expand.
 The planet's oceans and tectonic plates are no different.
 When our oceans heat up, there is only **one** way for them to expand, -and that is **up**,
 resulting in rising sea levels and coastal encroachment,
 threatening dwellings and infra-structure.
 The extra water from the melted ice and snow will further compound the problem.
 When our tectonic plates heat up, they expand laterally, -sideways.
 For the plates to expand sideways they must slide over, or under adjacent plates,
 or they fracture, and form ridges, hills or mountains.
 Either way, they generate massive shockwaves that we call earthquakes.
 When the ground quakes, people tremble, and buildings crumble.
 When earthquakes happen beneath the waves
 where water, to all intents, is incompressible,
 the radiated shockwaves are concentrated mainly in a vertical manner,
 sometimes resulting in the creation of a massive, but barely noticeable, ocean swell.
 Barely noticeable that is, until it reaches the shorelines, when it will steepen and break,
 resulting in what is known as a **Tsunami**.

The planet's tectonic plates have already started to heat up and have begun to expand.

They are beginning to fracture at their weakest points.

This is evidenced by the increasing frequency and magnitude of volcanic eruptions,
of minor earthquakes, and small tsunamis.

With the warming of the planet, we can expect rising sea levels
and more widespread, more frequent, and more intense earthquakes and tsunamis,
together with more frequent and more intense tropical revolving storms,
and ever increasing day-time and night-time temperatures.

It is not good news.

It is the justification for us to take immediate action.

The end days of ice and snow will herald the start
of uncontrollable and rapidly rising temperatures.
Temperatures are already beginning to rise, -that should tell us something.

Already in many places, crops are failing,
wild animals and birds are becoming fewer in number,
yet our so-called 'leaders' appear to be completely oblivious of it.

It will soon happen that forests and pastures will burn. Bitumen roads will burn.

Houses will burn. People, including little children, will burn,
and there will be not a thing that we could do to stop it.

Global Warming will then have become self-fuelling,
and the days remaining, -of humans on planet Earth, will be numbered.

When that happens there will then be no point in saying -

“Oh, I wish we had done something about it when we had the chance.”

because you would have left it too late.

There will not be any second chances.

**Either do something about it now, -and do whatever it takes,
-or suffer the consequences.**

To Summarise

It is beyond question that our planet's climate is changing for the worse,
-that temperatures are increasing and rainfall is becoming unpredictable.

**It is something that 'only politicians on the secret payroll of Multi-National Corporations'
and corrupt media personalities would choose to contradict or deny.**

In Australia, we recently suffered a period of unnatural and serious storms and flooding rains
that caused much damage, some loss of human life, and the loss of much animal life.

Today, we are experiencing a period of unnatural heat, serious drought and catastrophic bushfires
resulting in the loss of many human lives, the loss of immeasurable animal and bird life,
and with the burned-down homes now numbering in the many thousands.

Who knows? Tomorrow even worse storms and floods may yet lie in store,
-to be followed by still worse droughts and even-more-catastrophic bushfires.

Already in the vicinity of the writer's home, animals and birds are in decline.

Where once they were in abundance, there are now fewer to be seen.

Today, -with a global population of **less than Eight Billion humans**,
we are seriously fouling and poisoning the planet's soils and waters,
and are polluting the atmosphere and damaging the protective layers.

As a result, global day-time and night-time temperatures are unquestionably rising,
and are causing the ice and snow to more rapidly melt, and the permafrost to start to thaw,
-and this with **less than Eight Billion humans**.

At some time in the next eight years the global population is expected to **exceed Ten Billion**,
-a **28% increase** on today's population.

With increased population comes increased consumption and increased wastage,
increased pollution of the land, sea, air, and upper atmosphere,
together with the associated increase in global Greenhouse Gas emissions,
along with the inevitable increase in temperatures.

With this you can expect an increase in the number of earthquakes, and volcanic eruptions,
a noticeable increase in ocean temperatures and rising surface levels,
and an increase in catastrophic bushfires, -and in places that have never before known them.

By the year **2036**, the global population is expected to **exceed Twelve point Five Billion**,
-an increase of **over 60%** on today's figure.

**For as long as you allow these greedy, incompetent and, -without doubt, corrupt
puppets of the Multi-National Corporations to sit in government,
our planet will continue on its path to destruction.**

Until they are removed from office, -along with their legal and judicial allies,
and together with their Multi-National cohorts, and are held to account for their crimes,
and are dealt with as part of a global population reduction,
nothing will change.

As was said earlier, 'you no longer have time to stand and complain'.
If you are to make changes you must make them right now.

**There is at hand, 'a moment in time' that will determine our future,
-a moment in time when it will become too late to try to turn back the clock,
a moment in time, when it will be too late to regret your inaction.**

That 'inevitable moment' looms ever closer.

The final extinction may have already begun,
 and the blame lies entirely with those puppets of the Multi-National Corporations,
 those politicians who betray the people who voted for them,
 those greedy, selfish politicians who sell-out their country for nothing more than money.
 'They' are the real terrorists of this world. 'They' are the real enemies of our planet.
 They must be removed from office as soon as possible and made to face justice,
 before it becomes too late,
 -and a similar thing must apply in every other country on this planet.

These puppets of the Multi-National Corporations, these corrupt, arrogant, traitors
 who promote 'increased population, unending development and more pollution'
 must pay the price for their crimes
 otherwise, 'that lump of lifeless rock called Planet Earth' will soon become a reality.

What happens next dear reader depends entirely upon 'You'.
 You cannot escape your responsibility.
 You cannot now just leave it to others.
 We either fix the problem together, or we perish together.

Comments by the Author.

Upon reflection, -and if we are to be realistic and honest with ourselves, we will admit that it is highly unlikely that any of the words in this essay will ever be acted upon.

For as long as **those treacherous puppets of the Multi-National Corporations** occupy the seats of government, nothing will be done to slow or stop Greenhouse Gas emissions, and not a thing will be done to reduce the planet's human population.

Drastic circumstances demand drastic actions
but we live in a world full of 'apathetic dead-beats', 'believers in gods' and 'followers of sport'.
It must therefore become an undeniable conclusion that things will not change.

With each day the protective layer of our atmosphere will be further compromised, the temperatures will continue to rise, and that the ice and snow will soon be gone,
and that then it will be just a matter of time before the final extinction.

If the reader is a gambling person, you could do worse than to bet your money
on **'the ice and snow being all gone by 2040'**,
and 'all the surface dwelling creatures and vegetation being gone before **the end of 2045'**.
Subterranean, and Ocean life? Well, that would just be a matter of time.

The reader may well ask of the writer,

“How do **‘you’** know what is going to happen to our planet?”

-and I would have to reply with the words- “**Unfortunately**, I do not know,

-and nor it is possible for anyone else to know ,

-but at least, **I care enough about life on our planet to want to do something to preserve it.”**

We have an Australian government, and world leaders who do not care,

-people who care only about themselves and their Secret Tax-Haven Bank Accounts.

The year **2038** was my best estimate, -based upon the scant evidence available,

upon sound engineering and mathematical principles,

upon scientific fact and intelligent reasoning, plus **honest evaluation** of the situation,

-and I truly believe it to be a plausible and likely date, -if nothing is done to prevent it.

But I might be wrong. It could be five years later than **2038**, -or even five years earlier,

-we can never really ‘know’ until it actually happens,

but **‘when’** it happens is not important, what matters is-

‘If we do not do enough to prevent it from happening, it will happen’.

This writer willingly concedes that in today's world, we can be sure of nothing. There are too many unknowns, too many variables, and too many uncertainties.

For example,

For how long will global Greenhouse Gas emissions continue to increase?

Will global temperatures still keep rising if the emissions ever cease?

What will be the situation, -in the year **2026**, when the global population is expected to have increased by **25%** to reach **Ten Billion** humans?

and again in **2034**, when it is expected to exceed **Twelve point Five Billion** humans?

How much longer will the planet's Ozone Layer remain mainly intact?

What would happen should the Americans seize the remaining supplies of mineral oil? ?

Would a released killer-virus wipe-out enough humans to make a difference?

These are just a few of the unknowns, the variables, and the uncertainties that beset us.

The destruction of life on our planet is now **virtually inevitable** because '**the stupid ones**' sit back and allow '**the corrupt ones**' to get away scot free with their criminal misdeeds.

Those politicians with the Secret Tax Haven Bank Accounts who take money from Multi-National Corporations and Property Developers as payment to legislate so as to benefit their benefactors at our expense are Traitors. They have betrayed us. They have sacrificed our planet for their own personal gain, -and, -almost without exception, each one 'a god-worshipping hypocrite'.

Today we have reached **‘The Moment of Truth’**.

Today maybe our last opportunity to put things right,
-to completely end the emission of Greenhouse Gases and Ozone destroying chemicals,
and today is the day when we should seriously begin to reduce the global human population.

But nothing will happen whilst 'believers' such as Trump, Netanyahu and Morrison,
and their kind continue to dictate policy.

For the record, this writer does not have any agenda to promote.

The destruction of all life on this planet will have little effect upon me.
At close to 81 years old I will be gone, -long before the real suffering starts,
and I have no descendants to have to worry about.

**It will be ‘You’ who will be left to do the worrying, the suffering, and the crying.
‘You, and your offspring’.**

If we were to be really serious about preventing the destruction of all life on this planet we would, -on a global basis, **immediately**, -and without question, round-up and arrest every single one of the Executives and Senior Management and past Management of every Multi-National Corporation, every single Property Developer, and every Politician who can be shown to be in any way associated with any of them.

Then, within the hour, -without pomp, ceremony, or trial these corrupters and traitors would be converted into fish food and organic fertiliser, with not a trace or memory of them remaining.

We would then seize their total assets, and every cent that can be traced back to them, -such as gifts to friends, siblings, wives, offspring etc, -every last cent. And it would mark the start of very serious population reduction campaign.

But alas, it will never happen.

We lack intelligent leadership, therefore we humans will simply continue to over-breed, -breeding more louts, more criminals, more drug addicts, more obese and more morbidly obese, more corrupt politicians, more paedophiles, more sodomites and more of the imperfect.

We have it within our power to put things right before it becomes too late,
but we humans lack the intelligence to realise it, and the courage to act upon it.

**We have, -in this planet, the makings of a Utopian paradise.
We have the brains, the skills and the wherewithal to make it so,
but instead we waste, we despoil, we destroy.**

We are incapable of properly managing ourselves and of taking good care of what we have,
and we have no excuse, for we know-well that there is nowhere else for us to live.

We do not deserve to have what we have, and so we will lose it.

Without question, this planet will not tolerate us humans for much longer.

**If we will not now seriously reduce our population, the planet will do it for us,
-and we will have only ourselves to blame.**

Life on Planet Earth will become extinct.

The corrupt and the treacherous will, meantime, remain untouched,
and nothing will change,

because 'the stupid ones' are more interested in so-called 'sport' and 'hero-worship',
in so-called 'social drugs', and in 'the rubbish' that is displayed on their television screens,
than they are in the welfare of life on their planet.

It will be 'the stupid ones' who will be really to blame for turning our planet into
'A Lump of Lifeless Rock'.



Explanation A

Up until the start of the Second World War, -in 1939, life on this planet was fairly simple.

Life was hard, working hours were long, and luxuries were few and far between.

In England, the working week had fallen to one of **fifty-six hours of work** spread over **six days**, few women, -if any, had paid employment; -it was held that a woman's place was in the home, -making beds, cleaning, doing the washing, the shopping, the cooking, and tending children, **which was much harder in those days than it is today.**

Sunday mornings was for god-worship, Sunday afternoons would have been free time.

In those days, **'the l-b-g-t-i people'** were **very few in number 'and they loitered in the shadows'**, because standards and morals were high and **'such creatures'** were not to be tolerated.

Motor-driven vehicles were also thin on the ground, -the horse and cart ruled the day, and commercial aircraft were virtually non-existent.

The planet's human population stood at **about two billion.** (2,000,000,000.)

By the end of the Second World War, -in 1945, the population was fractionally less and much of the world's war-destroyed infrastructure needed to be re-built.

There was much work to be done.

The end of the war was also a time for people to rejoice, -a time to copulate, -a time to fornicate, and the world's population began to explode. What we now call 'The Baby Boom'.

It was the beginnings of all our troubles.

For many years after the end of the War, -in affected countries, life was even harder. Many foodstuffs, -and things such as petrol, were in short supply and were strictly rationed, petrol, -for example, being available only to those who needed it for essential purposes. The bicycle was the mechanical transport of the day, and annual holidays were unheard of. Both during, and after the war, new clothes, besides being unaffordable, were simply unavailable.

It was a case of make do, and mend.

When the seat of the trousers wore through, it was time to sew on another patch.

To find a patch of matching colour was sometimes not possible,
so the patches on the seat of our pants sometimes looked, well, colourful.
If we were lucky enough to find a piece of old leather, it went into our shoes to cover the holes.

It was in 1953 that the writer began work, -as an apprentice toolmaker.
By 1955, Union action had reduced the working week to **forty-eight hours** over **five** days with Saturday morning, from seven a.m. 'till noon as overtime, paid at time and one-fifth.

Six hours pay for five hours work !

At that time, this first year apprentice's basic pay was thirty-three shillings per week,
-the equivalent of three dollars, thirty cents per week,
but income tax and deductions reduced it to twenty-six shillings (\$2.60.)
of which this writer's mother seized twenty shillings for board and keep.
Cheap cigarettes cost ten pence for a packet of five, and beer was one shilling and six pence a pint.
Times for this poor boy were really hard ! -but we knew no different.

It was not until late **1955** that petrol became more readily available and, in England, and in Europe, it was no longer rationed to the few, -even so, very few families owned a motor vehicle and by 9.00 pm almost everyone was asleep. Virtually, the only pollution came from the burning of coal, and the smoking of cigarettes, and only ashes from the fireplace went into dustbins, -as garbage cans were then called, but the planet was beginning to warn us, -with winter 'smogs' and 'pea-soup' fogs.

By **1956** things had begun to change. War-time frugality was coming to an end. People began to have money in their pockets, and 'luxuries' slowly became available. Things such as Chocolate, and Oranges, and Pomegranates began to appear in the shops, -things that this boy had never before heard of, -and still could not afford. In those days, -before the coming of luxuries, people were lean, fit, healthy and content. Then the price of second-hand motor cars started to come within the reach of a few.

At that time, military conscription existed in England. Two wasted years of a young man's life. Anyone who defected from the Armed Forces was relentlessly hunted down and **executed**.

Occasionally, it was reported on the radio that a defector had been found in Australia, or perhaps South America and, -after being brought back to England, -in chains in the ship's hold, **he had swung on the gallows**. There was little sympathy. That was the way it was.

Then the do-gooders arrived on the scene.

The last execution of a deserter happened in the early 1960's, the punishment then becoming life imprisonment, -in those days, a fate far worse than death.

At about the same time, -in England, -in 1960, -everything suddenly went horribly wrong. Things had progressed too quickly and production of manufactured goods exceeded demand. Goods were stockpiled, warehouses filled and, -as a consequence, factories were closed-down. It was the beginning of a serious recession and previously employed people, -including the writer, were thrown onto 'the scrapheap of unemployment'.

Slowly things improved, and by 1962 the economy was again booming, 'Plastics' had been developed and their use was spreading like wildfire. New labour saving devices, -such as automatic toasters, washing machines, and stainless steel cutlery appeared, together with refrigerators and non-iron shirts, -and **televisions**, -with giant seventeen inch (43 cm.) monochrome screens filled the shops. Department Stores began to resemble Aladdin's Cave.

Then they invented '*Hire purchase*'. Buy now, pay later. By 1970 the 'Baby Boomers' had all grown-up, and they all needed somewhere to live, and now, -with Hire Purchase, they could all suddenly '**afford**' a car.

Development proceeded apace, -the Multi-National Corporations demanded it and the politicians did their bidding. And since that day, nothing has changed.

It was hello to Greed and Treachery, goodbye to Contentment.

The late 1960's heralded the start of uncontrolled, and uncontrollable pollution, of over-population, and of a culture of greed, selfishness and wanton waste.

Explanation B

Concerning the movement of water in our oceans.

The reader may be surprised to learn that-

‘The water on the eastern side of the Central American Isthmus is much, much higher than it is on the western side of the Isthmus.’

(The Isthmus being that strip of land between North America and South America.)

This water on the eastern side of the Central American Isthmus is also much higher than the water in the vicinity of Iceland.

Water, being fluid, seeks to find its own level.

This results in a **major flow of water** from the Caribbean Sea, -in a northerly direction, -off the eastern coast of North America, toward Iceland. It is known as ‘**The Gulf Stream**’.

This causes the water level around Iceland to become considerably higher than the water level off the western coast of North Africa.

It results in water flowing south from Iceland toward the coast of North Africa.

This flow is known as ‘The Canary Current’. (Because it flows past the Canary Islands.)

South of the Canary Islands, the current begins to swing westward, to become a part of the ‘westward flowing North Equatorial Drift’, -**caused by the rotation of the Earth and Inertia**, to once again find itself back in the Caribbean, again to pile-up against the Central American Isthmus, -resulting in a continuous clockwise flow of water in the North Atlantic Ocean.

A similar thing happens in the South Atlantic Ocean,
 with 'The Brazil Current' flowing southward, -off the east coast of South America,
 to then merge with the Southern Ocean,
 before branching off to the north to become 'The Benguela Current',
 which then continues northward, -off the west coast of Africa,
 before finally swinging westward to find itself, once again, back in the Caribbean.
 This results in a continuing counter-clockwise flow of water in the South Atlantic Ocean,
 and all caused by a difference in surface levels, caused by the rotation of the planet.

If one was able to stand above Australia, at the limit of our atmosphere, facing north,
 one would observe Australia below, moving slowly left to right, -from west to east,
 with India and Africa later passing to the north, to be followed by the Americas, and so on.

It is the rotation of our planet that causes the flow of ocean currents.

The water at the Equator, -close to the ocean floor, moves with the planet,
 whilst the water at the Equator's surface, -reluctant to move, does so at a much lesser rate,
 resulting in what we refer to as the (westward setting) Equatorial Drifts.

This is caused by three factors, -called 'friction', 'laminar flow', and 'inertia',
 and it is the reason why water piles-up against the eastern side of the Central American Isthmus.

In the North Pacific Ocean, a similar thing happens,
again caused by the North Equatorial Drift, -the flow of water from east to west.

This results in the northerly setting 'Kuroshio Current' off the eastern coast of Asia,
and in the southerly setting 'California Current', -off the west coast of North America,
resulting in a clockwise flow of water in the North Pacific Ocean.

In the South Pacific Ocean, the counter clockwise currents are known as-
'The East Australian Current', the northern most-waters of the Southern Ocean
and, -off the west coast of South America, 'The Humboldt Current',
and are each the result of the 'South Equatorial Drift'.

Similar things happen, to a lesser degree, in the Indian Ocean to the west of Australia.

Water movement is also generated by the gravitational pull of the Sun, and of the Moon,
 which results in 'a lifting-up', and later, -with the passing of the celestial body,
 in 'a lowering' of the water,

-creating a flow and ebb, rather than a constant flowing current.

Simply put, the tide moves, the water does not,

-much like a rat moving under a carpet, -the rat moves, the carpet doesn't.

Were it not so, the Sargasso Sea* would end-up on America's east coast beaches.

Wind driven water, -being shallow in depth,
 is of secondary consequence in the worldwide movement of water.

Eddies and currents exist within larger currents, and there are counter-currents galore.

Sub-marine currents exist in all oceans and seas.

Currents are not contained within themselves.

Both at the edges and beneath, they intermix with adjoining currents,
 which in turn do the same with other waters.

It is this combination of currents, tides and winds that causes our planet's waters
 to mix, and to circulate to virtually every part of our planet's marine environment.

**The fact that the Polar melt water is mixing with the rest of the planet's waters,
 and is artificially holding down the temperature of the waters,
 leads poorly-educated people to think that Global Warming is not occurring.**

* The Sargasso Sea is the rubbish dump of the North Atlantic Ocean.

The fact that there is a considerable difference in the levels of water at the Eastern and Western sides of the Central American Isthmus must not be seen as an opportunity to generate hydro-electric power.

Interfere with the flow of Ocean waters at your peril!

Reduce the planet's population and we will not require so much electricity, and such electricity can then be easily generated by clean renewable means.

Thank You dear reader for having read this essay.

What happens to our planet, -from now, on depends entirely upon **You**.
If you want to do your bit to save life on our planet then please spread the word.

Tell your friends about this essay,
and please, do not leave it to other people to do what is required.

-just one more page

Dear reader. If you appreciate the writer's efforts
and would like to see more of the same
a small donation would help the writer no end.

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For which I would thank you.

the tell-tale



The reader may also care to consider the essay titled- '**This Overpopulated Planet**'