

On Planetary Oneness Paradigm

Thereby Averting the Destruction of Our World

Rodney Shakespeare

**Foreword
by**



On Planetary Oneness Paradigm

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Rodney Shakespeare

Former Visiting Professor of Binary Economics, Trisakti University, Jakarta

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NB. Please ensure that the font size (of the print) in any publication is sufficiently large so that people with weak eyesight can actually read the text.

11, Charman House,
Hemans Estate,
London, SW8 4SP,
United Kingdom

Email: Rodney.shakespeare1@btopenworld.com

Tel: (UK) 020 7978 1635

Summary

A major paradigm is the societal understanding of reality which decides what does, or does not, happen in everyday life. A paradigm shift, therefore, is of huge importance.

This book contains large-scale research into paradigm shift and sets out the factors contributing to a shift. The result is the *Planetary Oneness Paradigm* which, embodying understanding of a universal unity, knows that everything is interconnected and that the ecosystem is fragile.

However, today's mainstream understanding of reality is reductionist and denies the fragility. It is also outdated, inaccurate and static and so, because outdated paradigm is the cause of today's inefficiencies, injustices and depredations, a historical investigation is made into how this situation came about.

The investigation starts with astronomy and the geocentric Ptolemaic paradigm which viewed the Earth as God's special creation placed at the centre of the universe. From the placing was deduced an authoritarian Divine Right for rulers to rule and, because they are God's Children with high status, a right of planetary dominion for humans in general.

Then, in the first paradigm shift, the Copernican Revolution put forward an **opposite**, namely, the heliocentric (sun-centred) understanding of the universe which began the destruction of authoritarian rule but maintained the status of God's Children.

There followed the second paradigm shift not in astronomy but in biology. This was Darwinism which, again putting forward an **opposite**, revealed that humans are not God's Children but rather only one species among many species engaged in a daily struggle for survival. Darwinism (together with other philosophical notions of the period which developed the concept of a selfish *Homo economicus*) then summarised the meaning of life as *Survival of the Fittest* with consequent implications for aggression, colonialism and depredation of the environment.

At the same time as Darwinism, the mainstream paradigm for economics was consolidating its fundamental assumptions about reality which, unfortunately, (because of the social and technological effects of the Industrial Revolution), had already become profoundly false and out of date.

Today's task, therefore, is to comprehensively address the consequences of the (astronomy) Copernican Revolution and (biology) Darwinism while, at the same time, identifying the false assumptions underlying mainstream economics. To date, fifty nine false assumptions have been identified and, amazingly, it is discovered that the **opposites** (of the false assumptions) **are true!**

Thus the **opposites** become available to form the components of the new major paradigm which is not reductionist and is comprehensive, modern, accurate and dynamic. In particular it is capable of solving today's global problems which, at present, appear to be insoluble.

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Therefore, (assuming that the human race manages to avoid destroying itself in the meanwhile), we will soon come to experience a third paradigm shift which is capable of unifying Science and Religion and has practical outcomes including universal basic income, capital ownership and voluntary population stabilisation or reduction. These outcomes will create circumstances in which a selfish *Homo economicus* is enabled to evolve into an environmentally responsible *Homo cooperans* thereby providing hope for the future of the world.

When reality is accurately understood, new policy options easily arise

This Book is Dedicated

To

People of faith or, simply, of good faith
activists
environmentalists
economists
politicians
humanists
academics
scientists
plain decent folk
and
courageous leaders of thought

Who are invited
To throw out the Old Guard
and
Bring in the New

On Planetary Oneness Paradigm

Now – or Never!

Current polycrisis teaches us that humanity
must evolve in consciousness,
far beyond what it thinks is intelligent;
far beyond its pride in technology,
far beyond ingrained, encultured egotism

We need to seek free springs of knowledge
flowing directly from a new Paradigm
with urgent rediscovery of eternal gifts,
history's great triad – Faith, Hope and Love –
lived in societal structures of just co-operation

The Reverend Canon Peter Challen

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Acknowledgements

In 1962, Thomas Kuhn described paradigm but it was then to be forty years before there was large-scale historical research explaining the factors necessary for achieving a paradigm shift.

The research (whose main principles were verbally communicated to this author at a Conference in 2000) was done at the behest of the American government, cost a substantial amount of money and was carried out by Professor Rogers Hollingsworth and colleagues. However, the research is not widely known and its precise location is unknown (or at least unknown to this author) because it may have been suppressed.

The reason for the suppression is possibly because the research implies that American society – then having a flush of triumph after the fall of Soviet communism – is not the End of History (Fukuyama, 1989) but rather something likely to need improvement.

Alternatively, the suppression has something to do with the nature of the third factor required for a paradigm shift.

Whatever the truth, Rogers Hollingsworth and colleagues have the credit for explaining the factors contributing to paradigm shift and recognition of their research is long overdue.

Over the years Masudul Alam Choudhury has been an inspiration particularly with his understanding of the unity of knowledge.

Michiel Bijkerk, Peter Challen and Talib Warsi are thanked for help and encouragement.

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Foreword

Preface

A major paradigm is the societal understanding of reality which is based on factual assumptions. It exists at a particular time and does not necessarily evolve or change.

Indeed, major paradigms tend to ossify becoming outdated, inaccurate and static. Consequently they ignore anomalies and, in particular, fail to take account of significant technological, economic and social developments.

Whereon unease spreads; doubts about the paradigm's value start to grow; disillusionment sets in and calls for reform are heard.

Outdated paradigm maintains the power of the social and political elite

However, despite the disillusionment, despite the calls for reform, nothing happens – the overall situation remains static. In short, the outdated paradigm (together with its associated everyday practices) prevails.

All of which is not chance. Indeed, there is deliberate causation because, in a fundamental way, the outdated paradigm is the intellectual, moral and psychological basis of the power of the social and political elite.

As such the outdated paradigm is claimed to be an incontrovertible, accurate, even God-given apprehension of reality with those who dare to differ being identified as irresponsible wreckers of the (desirable) *status quo*.

Paradigmatic crisis

Nevertheless, as the anomalies continue to be ignored and no account is taken of significant technological, economic and social developments, researchers become restless; discontent simmers; opposition grows – and soon a paradigmatic crisis (which is more profound than a political crisis) breaks out into the open.

And *that* is the situation we are in today....

Paradigm shift

The paradigmatic crisis is the reason for this book which contains large-scale research into the factors contributing to paradigm shift and so the possibility of considerable benefit for humanity. In particular, the book identifies the factual assumptions which underlie mainstream thinking.

Readers are firstly invited to review the assumptions.

Secondly, they will notice that, in practice, the assumptions decide what does, or does not, happen in everyday life.

Thirdly, they will understand that the assumptions must be robustly challenged because they are ultimately responsible for the inefficiencies, distortions, depredations and injustices which beset us today and disfigure our planet.

Fourthly, they will be surprised to discover that the assumptions are not only **false** but that their **opposites** are true!

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Fifthly, they will have the pleasant experience of a paradigm shift giving their lives cohesion, meaning and purpose.

An expression of scientific method

It should also be noted that the exploration of basic assumptions necessarily goes deeper than a mere reassessment of political parties and societal institutions. This is because the *Planetary Oneness Paradigm* manifests a realistic grasp of physical reality and so is **an expression of scientific method**. Thus the *Paradigm* comprehensively addresses facts, applies logic and ensures coherence in overall explanation.

The result is that the present mainstream paradigm – which is an outdated, inaccurate and static understanding of reality – is replaced by the new paradigm which is not only modern, accurate and dynamic but is profoundly scientific having potency comparable to that of the Copernican Revolution.

Interconnection and reductionism

The *Planetary Oneness Paradigm*, however, differs from conventional science in that it encompasses content which goes far beyond that of a traditional academic subject. Indeed, it encompasses at least fifteen subjects.

This happens because the *Paradigm* knows that everything is interconnected. Thus the *Paradigm* **cannot be reductionist** and, as such, demands that interrelationships be everywhere identified. This is so even though academic ‘silos’ and massive amounts of subject-centred information seem to force knowledge to be sectionalised and understood only within narrow confines.

All-pervading, universal sea of consciousness

Furthermore, there is a profound reason for upholding the interconnectedness. It arises out of an increasing scientific awareness that everything seems to be somehow related to everything else. (Choudhury)

Indeed, there are indications that living things (such as ourselves) exist on the edge of, or possibly within, an all-pervading, universal, sea of consciousness into which they can at least paddle (but should do so with caution).

Moreover, living things could be related to non-living things because the implication of measurement experiments in quantum mechanics is that *humans can never separate their experience from nature*.

On top of that, quantum entanglements (i.e., ‘*spooky action at a distance*’ – Albert Einstein) have implications for interconnectedness going far beyond the usual physical limitations.

Fragile ecology, global responsibility and existential risk

Nevertheless, temporarily setting aside the implications of an all-pervading consciousness, it suffices to observe that humans are a species which is **part of**, and

not separate from, our planet as a whole and so it behoves us to face up to, and undertake, a global responsibility.

Aware of the interconnections and the responsibility, therefore, we can easily understand that humans are biological organisms physically dependent upon a fragile ecology. Indeed, it is salutary to remember that, even after only apparently minimal changes in environment, disaster jumps up and many species have disappeared.

In fact, as explained by the Cambridge (UK) *Centre for the Study of Existential Risk* and others, there are many risks to human existence. They include pandemic viruses, flooding, loss of native pollinators, desertification and depletion of resources.

It is therefore hubristic to think that the human species is immune from disaster and guaranteed to survive.

Doomsday Clock – *eighty nine seconds* before ‘midnight’

In particular, we should also remember that humans exist within a social *milieu* (the surrounding society) which must be physically, politically and spiritually healthy if, again, our species is to survive.

Above all, it is incumbent upon us to avoid – this is a gentle reminder – not only war but that war which is capable of destroying everything.....

Alas! The Doomsday Clock is now only *eighty nine seconds* before ‘midnight’ and people are either ignoring the danger completely or, in some cases, naively dreaming of being saved from destruction by some benign, outside, extra-terrestrial intervention. In respect of the latter, it should be noted that, although there is some evidence of extra-terrestrial incidents in our world, there is no evidence of any future benign extra-terrestrial intervention which would prevent atomic war.

The *Planetary Oneness Paradigm* transcends traditional discourse

The *Planetary Oneness Paradigm* transcends traditional political and economic discourse about left and right. That said, this book does provide a plausible mechanism for spreading capital ownership and guaranteeing a Basic Income for everybody. Moreover, these two measures leave the ‘market’ system intact.

Furthermore, in the *Planetary* economy, people’s current economic interests are **not** threatened or negatively affected.

Indeed, **EVERYONE** gains from implementation of the *Planetary* economy because it ensures that the benefits of technological and natural productiveness become available to **ALL** people (rather than, as happens at present, only a few).

Psychological problems and joyful experience

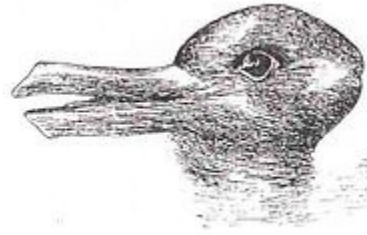
In particular, it should be observed that psychological problems can arise when people, in a sudden shock, realise that much of the intellectual, psychological and even career basis of their lives so far has been built on sand rather than rock.

Yet, despite the shock, they should take heart because, at some time or another, we all have to start anew and starting anew can be a joyful experience.

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A taste

Here is a taste of the experience,
Is this a duck or a rabbit?



When reality is accurately understood, new policy options easily arise

Chapter One

Time for a change

Summary:

Mainstream economic and political thinking is unscientific. It is not only the basis of an elitist power structure but also the foundation of the false factual assumptions which decide what happens in reality and so are the cause of today's biggest problems (e.g., persistent poverty).

Mainstream economic and political thinking complacently believes itself to be a paragon of accuracy, objectivity, efficacy and comprehensiveness.

This book, however, challenges that belief. In reality, mainstream thinking is inaccurate, grossly biased, inefficacious and selective. Put shortly, it is wrong.

"Impossible!" a voice exclaims. "Is not mainstream thinking the progenitor of aeroplanes, medicine and the internet?"

Yes. But that is mainstream *scientific* thinking and not today's mainstream economic and political thinking which, far from being scientific, is unscientific, contradictory, outdated and determined to obfuscate wherever it possibly can.

Furthering the interests of an elitist power structure

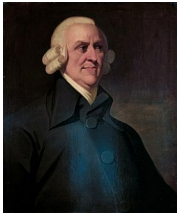
The lack of a scientific approach arises because the purpose of mainstream economic and political thinking is to further the interests of an elitist power structure rather than the interests of everybody else.

Indeed, in pursuit of that purpose, reality is twisted, untruths are told, contradictions ignored and opponents smeared. This happens because a power structure always thinks that, in the cause of perpetuating its own existence for ever, anything – from lies to torture and killing – is permissible.

In short, false thinking and false propaganda are used to further the interests of an elite bent on self-aggrandisement. At the same time, accurate thinking and true perceptions are suppressed because of their ability to initiate substantial and beneficial societal change.

Falsity

Furthermore, let nobody be under any illusion as to the extent of the falsity. For example – and this is extraordinary – mainstream economics has apparently never heard of the Industrial Revolution with its associated powerful machinery and technology – steam engines, spinning jennies, flying shuttles and Bessemer furnaces.



Beginning about two hundred and seventy years ago, the Revolution introduced mass production which has continued to expand ever since. Yet mainstream economics still worships Adam Smith who (in *The Wealth of Nations*, 1776) falsely asserted that all output of goods and services is the result of human labour thereby ignoring the contribution to output coming from **non**-human things such as machines, technology and nature.

The Smith assertion essentially says that, because labour creates all the output of goods and services, there will always be plenty of jobs for everybody. Moreover, at the same time, the assertion restricts machinery and technology to a role in output which is minor at best **and so downplays the considerable benefits that derive from ownership of machinery and technology**.

Therefore, whilst it is true that craftspeople – e.g., carpenters, millwrights, stone masons and blacksmiths – originally made the machinery and technology, those same craftspeople (and their descendants) are denied an ongoing capital income coming from ownership of machinery and technology (which income is inherently increasing).

Thus, today, the craftspeople – and billions of others – are confined only to labour income (i.e., jobs, if possible; and welfare benefit, if available) which, relative to capital income, is in decline.

Mainstream economics falsely claims that all output is produced by humans

Indeed, determined to deny a general right to capital ownership income and only allow a right to labour income, **mainstream economics simply promotes a complete falsity** – that, in a task, labour creates all, or most, of the output and so there will always be plenty of jobs in both quantity and quality.

Fully automated factory

Consequently, when considering the output of a fully automated factory – the first automated factories were being constructed sixty years ago – mainstream economics thinks that all the output is created by humans. The actuality, of course, is a complete **opposite** (or near-opposite) because in an automated factory there is **no** (or only minimal) human involvement!



NB. The designers and constructors of an automated factory have long ago been paid while maintenance and repair workers are **not** part of the production process – they are like your doctor who repairs you but has no claim on your productive output.

Therefore, in reality, in most tasks nowadays (even when non-automated), human labour is, at best, only doing **part** of the work while a bigger, ever-increasing, part is being done by the capital instruments.

Capital instruments

A capital instrument is any **non-human** thing involved in the production of goods or services e.g., a chicken; an acorn (it becomes an oak tree); scissors; an automated factory; fertile land; mineral land; forests; tools; a bridge over a river; a self-opening door; a pump; a building; machinery, a house; a road; a ship; or technology.

Other non-human things....

Failing to understand that an automated factory **really is automated** is extraordinary enough. And it's the same with a self-opening door, a moving staircase or a computer-driven car.

Readers, moreover, might wish to consider that mind-boggling thing – the internet – which operates largely by itself or even completely by itself (depending upon how the situation is viewed).

And then they might wish to reflect on the input contributions made by a sidewalk (which helps us to walk easily); a bicycle; garden shears and a pipeline. All these input things contribute massively to output.

Furthermore, in upholding the Adam Smith belief that human labour creates everything, mainstream thinking ignores the contribution of natural things such as mineral and agricultural land. Indeed, mainstream thinking tends to take for granted natural things. Thus (being self-centred, controlled by outdated dogma and unable to use its own eyes), mainstream thinking ignores the contribution to output of water, oxygen (which enables our bodies and brains to function) – **and the sun** upon which all life ultimately depends. The sun is also a capital instrument but not one that can be owned!

Chickens, plants and trees

Yet even more extraordinary is the inability of mainstream thinking to comprehend the true contribution to output made by living things – animals, plants and trees.

Indeed, it is incredible that mainstream economics apparently thinks that humans (and not chickens) do the work of producing eggs; and that trees never grow by themselves until, at the very least, a human starts looking at them.....!



Bounty of technology and nature

In short, mainstream thinking, in alleging that human labour creates all goods and services, is denying every part of that bounty which is provided by technology and nature.



Historical, technological and holistic ignorance has serious consequences

This historical, technological and holistic ignorance has serious consequences one of which is a complete inability to grasp the true cause of persistent poverty.

Thus half the world's population lives on **under \$5.50 per day** – that's for everything including travel, accommodation, food, medicine and dentistry (Oxfam, 2019). However, the mainstream explanation for this is that, because labour creates all, or most, of the output, people are poor because they are unwilling to work or become trained and educated.

Yes, mainstream economics – with the extreme self-righteousness of those who believe that God is on their side – is claiming that billions of people are poor because they are layabouts and good-for-nothings!

Which is a gross insult because, right the way around the world, people are willing to work hard and be educated but, even when educated, are still unable to get a job.

Moreover, even when they do have jobs, people are low paid and insecure. Furthermore, they are without protection against environmental hazard (see the work of Berggruen Philosophy Prize winner Paul Farmer) or natural disaster.

Above all, they are indebted to usurious money lenders and have no hope of ever saving enough money to start their own business. Most of the time, their lives are some form of desperate attempt to avoid falling into penury with consequent risk of starvation and death while **women are in a particularly precarious position**.

The situation can be summed up by a simple image – in many countries today, gleaning women can be seen. After a harvest, small birds peck up the few grains which are left unless, of course, the women get them first.



And because 860,000,000 people have to try to survive on only **\$1.90 per day** (that's for everything – Oxfam, 2022), the situation in many parts of the world has not much changed since, in 1857, Jean-François Millet painted *The Gleaners*.

Something is profoundly wrong

Clearly, something is profoundly wrong and readers may already be having an intimation that it has something to do with the mainstream understanding of who or what really does create the output of goods and services.

Indeed, readers may be sensing that what is wrong is the mainstream concept of (alleged) continually rising labour productivity rather than the (certain) continually rising productiveness of the capital instruments.

NB. Mainstream economics tries to claim that it takes proper account of the contribution to output provided by capital instruments (such as an automated factory). However, its account is false and contradictory. See *Productivity* in Chapter Eight.

Angels dancing on the head of a pin

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But mainstream economics always prefers to follow Adam Smith in claiming that human labour creates all the output and it belittles any explanation for persistent poverty other than its own.

Moreover, obsessed with mathematical abstraction and hieroglyphics obscuring the underlying contradictions and falsities, mainstream economics smugly claims an efficacy which simply does not exist.

Indeed, it sometimes seems as if mainstream economics inhabits one of those medieval seminaries where there was much meretricious debate about how many angels can dance on the head of a pin.

Very obviously, it's time for change – and a big one, too!



Chapter Two

Bad News

Summary:

The case for a big change is the stronger because there is much Bad News which includes environmental destruction and an inability to achieve positive developments thereby endangering civilisation.

But it's worse than that because a selfish wealthy elite (with exceptions) is not only bent on owning and controlling everything but is pointing out that, in future, most people will have no productive function and so will be (in the view of the elite) 'useless' and of no value.

Thus a morally degenerate fascism is likely to eliminate billions of people by **involuntary means**.

The case for a big change is the stronger because there is much Bad News.

For twenty five years or more, economists and others have realised that something is amiss with the basic principles of their study. However, only now – and belatedly – are they beginning to define what is wrong and, in particular, waking up to the need for sustainable, rather than exploitative, growth. Only now are they beginning to sense that a division between humankind and the environment is a mistake.

Yet environmentalists have been awake at least since 1962 (when Rachel Carson noticed the *Silent Spring*).

Increasingly worried by flooding, for example (although drought is another worry), they are pointing to the need for sustainable retreat and so are advocating the evacuation of millions of people from low-lying areas such as those in Bangladesh, Pakistan and the Mississippi floodplain.



Indonesia, moreover, because of flooding, has decided to move its capital city – Jakarta – over one thousand kilometres to Borneo.

Civilisation is endangered

Even worse, environmentalists such as the late James Lovelock (of *Gaia* fame) see civilization itself as endangered. The danger arises because environmental destruction and ecocide, if not resulting in overall global catastrophe, could only too easily result in chaotic, disastrous circumstances creating the satanic warlords of George Orwell's *Nineteen Eighty Four* (1949).

There is also the increasing possibility of something akin to an electronic concentration camp run by the ghoulish technocrats of Aldous Huxley's *Brave New World* (1932). In that world there will be a relatively small population completely controlled – physically and mentally – by a tiny elite using bio-engineering, artificial intelligence, digital currency with 'social controls' and the Metaverse (a computer, immersive, interoperable, synchronous, absorbing, digital experience).

A deep inertia

Nevertheless, while there is commendable protest (especially from some of the young), things stay the same. It is as though a monolith is crushing ideas and resisting all substantial change. The result is a deep intellectual and spiritual inertia.

But why – when danger threatens – is there inertia? Why is the 'Green' movement, for example, struggling to succeed? Why do 'alternative' schools of thought generally fail to get their proposals implemented?

The cause of the inertia – *fifty nine* false assumptions about reality

The answer is that all proposals – 'Green', 'alternative' or even conventional – are asking to be implemented in today's societies which are based upon *fifty nine* false, interconnected assumptions about reality. These assumptions are the components of the prevailing paradigm and paradigms decide what does, or does not, happen in everyday life.

The proposals, therefore, whilst often apparently admirable in themselves, conflict with the false assumptions and so inevitably come up against diehard opponents (of many academic backgrounds) determined to uphold the *status quo* and oppose any change – even if that means extinguishing the human race....

Pontificators



Chief among these opponents are the pontificators who think that only *they* know what is practical.

Being both obstructionist and prevaricating, they are out of touch with reality. Indeed, showing little, even no, sense of history and devoid of empathy, they are often ensconced in government and university departments where, intentionally or not, they promote antiquated policies *in practice* bringing death to millions now and millions more in the future.

An example is that, globally, **every day, ten thousand people** (half of whom are children) die from the effects of dirty water. (Water)



The true meaning of the *Great Reset*

It won't be death for everybody, of course, because the oligarchic elite will survive. Thinking only selfishly, it is building doomsday bunkers and buying remote islands while ensuring it owns and controls everything.

And let nobody have any illusions – **a rich elite owning and controlling everything (including humans)** is the true meaning of the *Great Reset* now being canvassed at the highest levels (particularly by the *World Economic Forum*).

As rich as Croesus

In fact, the *Great Reset* elitists want to be as rich as Croesus and, in every way they can think of, indulge themselves in excessive consumption (rather than, as some do, using their wealth for the benefit of others).

Actually, they want to be **richer** than Croesus – their greed is endless – and they think that everybody else should live in abstemious poverty, for the sake of the environment, of course! (Consortium News). The egocentric hypocrisy of the *Great Reset* elitists is astonishing (although, of course, there are admirable exceptions).

Composition and practices of the elite

The elite essentially consists of **a** wealthy oligarchy comprising under 1% of the global population with interlinked shareholdings in huge financial institutions. All the time, the elite hogs assets to itself and its preferred methods for taking over basic infrastructure, public utilities and social services are financialization (Palley, 2007) and privatization.

A 2011 global analysis shows that 147 companies control 40%, and 737 companies control 80% of the global economy. Financial institutions predominate (Vitali *et al*). There are also private companies and wealthy individuals with opaque (often off-shore) holdings in trusts, property and the like.

The elite is financially and politically dominant because it is supported by academics, politicians and a technocratic management class creating a vast network of patronage which exercises intellectual control via the mainstream media, political parties and most (but not all) schools and universities.

David Rockefeller (founder of the elitist *Trilateral Commission*) has expressed the concept of elitist control while referring to world government:-

'The world is now more sophisticated and prepared to march towards a world government. The supranational sovereignty of an intellectual elite and world bankers is surely preferable to the national auto-determination practiced in previous centuries. (Aspen)

Aims of the elite

Furthermore, the *World Economic Forum* – which organises those infamous annual meetings in Davos, Switzerland – says that, in future, *You'll own nothing and you'll be happy!* (World Economic Forum)

On top of which, particularly because of the power arising from 'social credit' digital money, an authoritarian technocracy is being proposed by international finance. As Ellen Brown has written:-

'You will have an account with the central bank and a mandatory federal digital ID. You will receive a welfare payment in the form of a marginally adequate basic income – so long as you maintain a proper 'social credit' score. Your central bank digital currency will be 'programmable' – rationed, controlled, and cancelled if you get out of line or disagree with the official narrative.' You will be kept happy with computer games and drugs.' (Global Research)

Extensive unemployment – 'useless people'

But being 'kept happy' assumes being allowed to have reasonable lives – and assuming **that** could prove to be a **very** big mistake because. in the first instance, extensive unemployment is looming.

With amazing candour and stark brutality, Yuval Noah Harari (of the *World Economic Forum*) is succinct:-

'What to do with all these useless people?...When they are basically meaningless, worthless....?' (Harari)

Harari begins to answer his own question. The 'useless people' will be controlled by:-

'A combination of drugs and computer games'

AND, NB, by enabling the Metaverse to take over people's lives.

He subsequently goes further and refers to 'some crumbs like universal basic income'.

'People realize that "The future doesn't need me. ... Maybe if they are nice, they will throw some crumbs my way, like universal basic income."'

'Vast majority' of the population not needed

BUT Harari (who also foresees the demise of existing religions and the family) then trumpets the unwholesome truth as seen by the *World Economic Forum* – **in future, the vast majority of the population will not be needed.**

'We just don't need the vast majority of the population because the future is about developing more and more sophisticated technology, like artificial intelligence and bioengineering.' (Harari)

Thus **they** (i.e., the *World Economic Forum* and the *Great Reset* elite including the *Bilderberg Group* whose tentacles control much of the world), **don't need 'useless people'** who are the inevitable result of:-

- the growth in artificial intelligence
- the arrival of the 4th Industrial Revolution
- bio-engineering
- IoT – the *Internet of Things*. There are already *twenty two billion* devices 'talking' to each other
- drones, voice recognition, virtual assistants, payment systems, translation software

all of which are eliminating regular, secure, well-paid jobs.

The crunch issue – 'useless people' have no value

And therein lies the crunch issue – according to the *Great Reset* elite, these 'useless people' (in debt; hooked on drugs, social media, video games and the Metaverse) are useless because **they have no productive function (and therefore no value)**.

Furthermore, the lack of productive function for the majority of people has an astonishing meaning – that **only a tiny elite** (i.e., the owners and controllers of the future technology) is, and will be (*in its self-centred view*):-

- genuinely productive
- entitled to own the technology and be its beneficiaries

In short, the tiny elite (*in its self-centred view*) is not only entitled to own and control everything but also has the strongest possible sense of the moral worth of its own existence **combined with a complete inability to comprehend the worth of the existence of anybody else**.

In practice, the elite views ordinary people with contempt. Deep down, it despises anybody who is not part of the elite.

Power tends to corrupt: absolute power corrupts absolutely (Lord Acton)

Unfortunately, it is a truism of history that *Power tends to corrupt and absolute power corrupts absolutely*.

Put differently, those who are powerful are likely to view those who are powerless as inconvenient trash to be hidden or otherwise disposed of.

The elimination of billions of people

Moreover, disposal will come the quicker if the powerless are also viewed as 'useless'.

And quickest of all will be the disposal in a situation where the powerful elite wishes to lessen strain on global resources.

Thus a situation is developing in which there could be the **elimination of billions of people** and there is talk today of the need for a global population **under 7%** of the present total – see the now-destroyed Georgia Guidestones. (Georgia)

Authors such as Paul R Ehrlich have suggested a global population about one third of the present level. (Ehrlich)

A morally degenerate fascism

All of which reveals the awkward truth that, whereas;-

- God values **ALL** human beings (as does the *Planetary Oneness Paradigm* and the ethical approach of Berggruen Prize winner Peter Singer) **AND**
- belief in God is a valuable bulwark against those who view others as ‘useless’ the *Great Reset* elitists **value NONE** – except themselves.

And so, because of their designation of the majority of people as becoming ‘useless’, there is no reason (in the eyes of the elite) not to eliminate those who are ‘useless’.

Thus a morally degenerate fascism, with no compunction about killing people, is in prospect.

No voluntary way – people are sensing the *in*voluntary

The key point is that the global elite **has no voluntary way** of achieving population stabilisation or reduction. It can therefore be expected to resort to *in*voluntary ways.

Fear of the *in*voluntary arises because, ever since the Club of Rome in 1972, the global elite has wanted to reduce people’s consumption – except its own, of course. (Club of Rome)

However, the amount of consumption is largely related to the number of people and so questions arise as to the global elite’s attitude towards population levels. But, since it has no voluntary methods for reducing the population, is it possible that the elite is secretly researching involuntary ones?

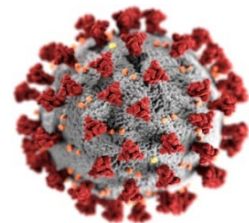
Viruses

Alas! It is only too possible.

Indeed, many people fear the elitists intend using laboratory-created viruses to reduce the population (Mahathir, 2015). In fact, there are many bio-laboratories doing gain-of-function (i.e., *strengthened*) bat virus research and the Wuhan laboratory holds a patent for a new type of bat cage. (Wuhan)

Pentagon bio-laboratories

Moreover, there are question marks over the true purpose of the bio-laboratories –and the admission by the Pentagon that it is funding an astonishing **forty six** such laboratories in Ukraine increases the question marks. (Pentagon, 2022)



And so people are fearful of pandemic viruses; sceptical about a natural explanation for their origin; and worried about the purpose of the associated vaccines.

Indeed, it sometimes feels as if (in addition to a **Forever War** ethos created by the global elite as in Orwell’s *Nineteen Eighty Four*), some form of pandemic is to be inflicted on us forever.

Insufferable arrogance and lunatic hubris

Furthermore, plans for population reduction and digital control are apparently confirmed by the elite's insufferable arrogance. At the *World Economic Forum* in 2022, for example, Chairman Klaus Schwab, well known for bragging about his organisation's political influence, referred to the 'global agenda' and boasted that:-



'The future is built by us, by a powerful community as you here in this room.' (Schwab)

NB. Built 'by us', and not built by everybody. This is the lunatic hubris which comes from youthful absorption of Ayn Rand's *The Fountainhead* (1943) and *Atlas Shrugged* (1957). It combines an extreme individualism and selfishness with *laissez-faire* capitalism telling us that only 'Captains of Industry' have the answer to today's problems. Thomas Carlyle – who was also obsessed with 'Great Men' – is probably jumping out of his grave with delight.

Farming without farmers

At the same time, Vandana Shiva points out that the elite is:-

- eliminating small businesses and farms
- using dangerous bio-chemicals and genetically modified organisms (GMO)
- ending genetic diversity and natural, organic practices
- failing to understand that the soil is a natural ecosystem (Shiva, 2021)

She says that Bill Gates (now the largest private owner of farmland in the USA) wants farming without farmers (by which she means without the independent farmers who honour, and do not destroy, the soil). (Gates)

On top of that, *BlackRock* and *Vanguard* (two mega-corporations) are intent on owning **everything** – forests, rivers, land and seeds. '*Natural Asset Companies*' (which are now listed on the New York Stock Exchange) are the mechanism for doing so.

Warning

So let nobody be taken in by the claims of the *World Economic Forum* and the *Great Reset* elite that they are protecting 'Western democracy', 'European values' or 'human rights'.

They are doing nothing of the sort, have no intention of doing anything of the sort and will only be content when they are in complete control and everybody else has been subjugated.

Stop and think!

In short, the intent of the *Great Reset* is:-

- no private property for most people
- elimination of small businesses and farms
- a tiny basic income for most people

On Planetary Oneness Paradigm

- exorbitant riches for the few
- constant control and surveillance
- an authoritarian technocracy
- reduction of population – probably by involuntary methods

All in all, there is much Bad News and the overall situation is beginning to look much like something run by the ghoulish technocrats of *Brave New World*. Somehow, we have to get out of this mess.

Chapter Three

How did we get into this mess?

Summary:

Faced by environmental destruction, moral degeneracy and the prospect of *involuntary* population reduction, we have to ask how the present situation came about and then see whether it can be remedied.

To that end this chapter delves into history by examining the consequences of major paradigms and analysing what happens when they shift. The Ptolemaic paradigm is considered followed by an analysis of the ensuing shift (the Copernican Revolution) which weakened authoritarian power. There is then the further shift caused by Darwinism (which resulted in the notions of a selfish *Homo economicus* and *Survival of the Fittest*).

A third paradigm shift is now beginning. It will allow *Homo economicus* to evolve into *Homo co-operans* and also create a Shared World View against which policy decisions can be measured and judged.

So how, in the first place, did we get into this mess?

Are humans inherently incapable of solving their own problems?

Or is it possible – just possible – that significant matters in the past contributed to the present situation which can now be rectified?

In order to find out we have to go back a very long way to when, during the day, humans saw the sun going around the Earth and recognised it as the force upon which all life depends.

And so there were Egyptian, Indo-European and Meso-American sun cultures with sun gods (who sometimes demanded human sacrifice).

The Ptolemaic paradigm understood the Earth as God's special creation

Moreover, thinking about the sun during the day and observing the stars at night, humans concluded that God had put His special creation – the Earth – at the centre of the universe.

The existence of a special creation implied that:-

- the world with its humans, *fauna* and *flora* had come into existence only a few thousand years ago
- humans are **God's Children** with a right to planetary dominion

Ancient science then codified the available information into the geocentric (Earth-centred) Ptolemaic system which became the major paradigm (i.e., the societal understanding, or perception, of reality).

On Planetary Oneness Paradigm

The Ptolemaic paradigm survived for many centuries even though, as long ago as the third century BCE, Aristarchus of Samos had explained that, rather than being geocentric, the cosmic truth was heliocentric (sun-centred). (Ashford & Shakespeare)

Nevertheless, because ordinary people could **see** the sun in daily transit across the sky, 'common sense', if nothing else, upheld geocentric theory.

Everyday practicality – circumnavigation

Moreover, as an apparently accurate depiction of physical reality, the Ptolemaic paradigm was surprisingly practical. Thus *Polaris* (the North Star) and the *Southern Cross* were adequate for navigation.

Indeed, using these stars, the Portuguese Magellan expedition was able to circumnavigate the globe during the years 1519 – 1522.

Divine Right

However, above all, the Ptolemaic paradigm was also very convenient for the rulers who could claim, and did claim, that **they** had been placed into power by God and so had a *Divine Right* (i.e., a God-given right) to rule.

The outcome was that anybody who dared to challenge the *Divine Right* could only be a Satanic demon disrupting God's creation. Consequently, individual challengers faced the Inquisition, thumbscrew, rack (which ripped bodies apart) and death by fire.



War and Crusades

On the larger scale, moreover, there was war which generally took the form of Crusades waged against Muslims in the Holy Land (Palestine) and Mediterranean.

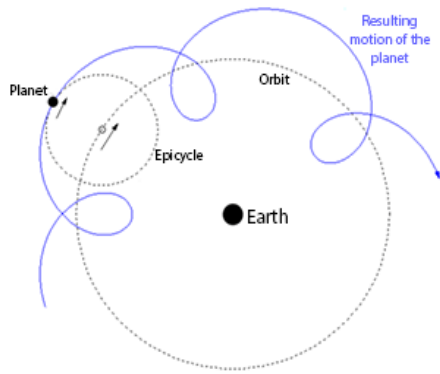


Nevertheless, Crusades could also be waged against Christians. Indeed, during the gruesome Albigensian Crusade (1209 – 1229), Christian Cathars in southern France were attacked with genocidal ferocity. Around one million people were slaughtered, hanged, or burned at the stake.

The Ptolemaic paradigm was maintained by *epicycle* theory

And even when meticulous observation was providing new information – the forward-back, quick-slow movements of the planets (Venus, Mars etc.) as well as the light-dark changes in their illumination – the Ptolemaic paradigm still prevailed. This happened because a paradigm is a mindset and a fixed one at that. ***Therefore any new information will always be interpreted in the same way as the old information had previously been interpreted!***

On Planetary Oneness Paradigm



So, with a heavy inevitability when faced with the new information, the Ptolemaic mindset developed the '**epicycle**' theory which said that the planets were moving in little circles whilst, at the same time, spinning around the Earth. The *epicycle* theory was complete nonsense but it had the huge advantage (particularly for the rulers) of keeping the Earth at the centre of the universe thereby maintaining the *Divine Right*.

Consequences of the Ptolemaic paradigm

The Ptolemaic paradigm and *epicycle* theory had momentous consequences:-

a) Absolute dominion and authoritarianism

Because the Earth was viewed as God's special creation (brought into existence only recently), rulers gained absolute dominion over other humans.

Furthermore, the dominion extended to men having dominion over women.

And so, all in all, with rare exceptions (e.g., the efflorescence of democracy in ancient Greece and the Roman Republic), the prevailing political and societal systems were starkly feudalistic, socially oppressive and authoritarian.

b) War

Moreover, war was a natural, even desirable, consequence of a ruler's power.

c) Political passivity – *Best of all Possible Worlds!*

The Ptolemaic paradigm, furthermore, had a significant long-term consequence – political passivity. This was because the world was seen as God's special creation at the centre of the universe and so there was every reason to suppose that fundamental political change was neither possible nor desirable.

Thus, generally, people acquiesced in the existing social and political systems. In fact, the Ptolemaic paradigm essentially inculcated the insidious belief that humans already live in the *Best of All Possible Worlds* and so the *status quo* is God's Will and any improvement in society is unthinkable.

d) God's Children – exploitation of natural resources

At the same time, the Ptolemaic paradigm gave God's Children (i.e., humans) an unbridled dominion over the Earth's *fauna*, *flora* and natural resources.

That is not to say, of course, that medieval humans were wasteful – everyday life required a husbandry of resources as well as techniques to maintain the fertility of the soil.

Nevertheless, in principle, the Ptolemaic paradigm gave God's Children an inherent right to limitless exploitation of the world's agricultural, piscatorial and mineral resources. That meant there was no general sense that the resources should not be

exploited to the fullest extent, still less that there might be a future need for restraint or prohibition.

e) God's Children – expansion of population levels

Moreover, the warm feeling engendered by *knowing* that humans are God's children had another consequence – a psychological *certainty* that there should always be the maximum possible number of humans. Indeed, the Bible exhorted humans to go forth and multiply. (Bible)

Furthermore, the maximum possible number of humans was demanded by *necessity* because the harsh reality was that hunger, starvation, disease and war made it imperative that human reproduction should always be as prolific as possible.

Summary of the Ptolemaic paradigm

In summary, the Ptolemaic paradigm, arising from seeing the daily passage of the sun, had momentous consequences, i.e.:-

- rulers have dominion over other humans
- men have dominion over women
- war is natural, even desirable
- the world is the *Best of All Possible Worlds* i.e., it cannot be improved and so political passivity is not only desirable but God's Will
- humans are God's Children given dominion over the planet and its resources
- the reproduction of God's Children should be as prolific as possible

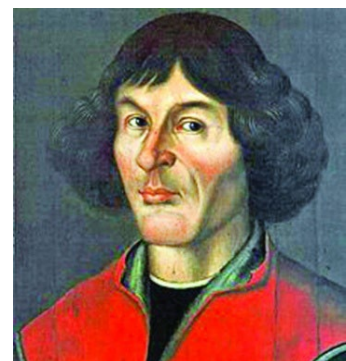
A. The first great decentering – of the rulers

Then there came a shock – the **Copernican Revolution**. It was a paradigm shift.

As the result of meticulous observation and mathematical calculation, Copernicus had demonstrated that the Earth was speeding around the sun – and not vice versa. (Copernicus, 1543)

Thus, if the Earth speeds around the sun, it follows that the Earth is *not* the centre of the universe.

Furthermore, if the Earth is not the centre of the universe, then the existing rulers were *not* appointed by God and *not* necessarily entitled to authority and power.



Consequences of the Copernican Revolution

The Copernican Revolution had huge consequences:-

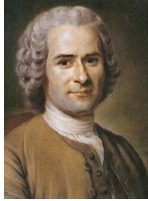
a) The rulers were being subtly decentered

The existing rulers were being subtly decentered from the centre of the universe as well as from their ruling positions on Earth. Thus began a long political and social process undermining the *Divine Right* and authoritarian power.

b) Ending of political passivity – Age of Enlightenment

The decentering also meant that, during the 18th century, a new sense of political possibility would be expressed by the *Age of Enlightenment* (or *Age of Reason*).

The *Enlightenment* thinkers, particularly French *Philosophes* such as Jean-Jacques Rousseau and Voltaire (both being influenced by John Locke of England),



unequivocally attacked the prevailing political and social structure. In particular, they advocated concepts directly opposite to the *Divine Right*, namely, **individualism**, **liberty** and **natural rights**.



Soon, in France, a democratic spirit was developing. However, its first practical expression was not to be in France but in America where, in 1776, the American patriots overthrew their British oppressors.

An even bigger democratic expression then came in 1789 with the French Revolution which overthrew the monarchy and aristocratic landowners.

Furthermore, under Napoleon, the French revolutionaries would set out to overthrow *ancien régimes* wherever they could be found and, notwithstanding their military defeat at the Battle of Waterloo in 1815, the French had successfully inflamed democratic yearning with immense implications for the future.

c) Attack on the established Church

Furthermore, the *Enlightenment* attack, particularly in France, was not only aimed at the monarchy and aristocratic landowners but also at the established Church which supported the monarchy and aristocratic landowners.

Belief in God

NB. Although the established Church was attacked, belief in God remained strong and, crucially, was able to provide a moral backing for forwarding social cohesion and progressive purpose e.g., the abolition of slavery and charity for the poor.

d) God's Children retain dominion

However, in an important respect, the Copernican Revolution did not initiate a big change. This was because humans were God's Children and, as such, were entitled to have dominion over the entire planet exploiting it in any way they could.

Consequently, forces of an aggressive and rapacious nature were beginning to surface. Encompassing exploratory voyages, economic expansionism, religious proselytising and militarism, these forces were 'opening up' (i.e. taking over) and occupying foreign lands.

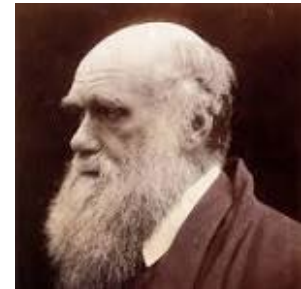
e) Population reproduction

Moreover, maximum population reproduction continued to be advocated as desirable.

B. The second great decentering – of God’s Children

There then came another shock – Charles Darwin’s *On the Origin of Species*, 1859. (Darwin)

The book turned the world topsy-turvy profoundly affecting science, society and religion with reverberations continuing to this day. It was a second paradigm shift.



Consequences of Darwinism

Darwinism had enormous consequences:-

a) Plants and animals not instantaneously created but had evolved

Aware of the work of geologists William Buckland (Buckland, 1836) and Charles Lyell (Lyell, 1833), which was indicating that the world had come into existence millions of years ago, Darwin established that animals and plants had **not** been instantaneously created a few thousand years previously but, instead, in many different forms, bit by bit, had **evolved**.

Moreover, a sense of evolution further contributed to the undermining of the power of authoritarian rulers.

b) Decentering (or dethroning) of God’s Children

But the biggest consequence of Darwinian Evolution was that it took away the belief that humans, as God’s Children, are a unique part of God’s creation. Instead, *Homo sapiens* became **only one species among many**.

The inevitable psychological consequence was that *Homo sapiens* had been thoroughly decentered i.e., dethroned.

c) Competitive advantage – aggression and self-centeredness

Furthermore, Darwinian Evolution had a profound (and negative) broader effect on human psychology.

Pointing to the violent struggle for existence experienced by all species, Darwinism viewed life as a process of continual battle with the survivors being only those whose evolution had given them some form of competitive advantage.

In addition, in the battle for existence, Darwinism explained aggression and self-centeredness as necessary. Thus humans are mere animals who, every day, in a hostile world, must fight if they are to survive.

d) Maximum population reproduction

Significantly, Darwinism saw the battle for existence as so fierce that a species must reproduce itself prolifically if it is to survive at all.

e) Competition for resources – war is inevitable

On top of which Darwinism understood all species as being in endless competition for scarce resources not only with other species but also within their own species. Therefore war is inevitable.

Justification by Science!

Thus Darwinism was painting a grim picture asserting that:-

- *aggression* is necessary
- *self-centeredness* is necessary
- *a lack of concern for others* is inevitable

Furthermore, to cap it all, the picture was the grimmer because the aggression, self-centeredness and lack of concern had not only been explained but also **justified by Science!**

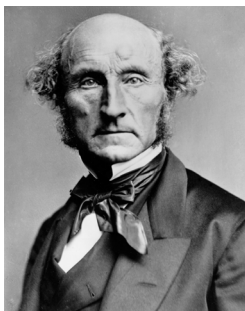
Homo economicus – Greed is Good

At the same time, the grimness was being intensified by a deep-seated philosophical and moral background. Thus, in the *Wealth of Nations*, **Adam Smith** had written:-

'It is not from the benevolence of the butcher, the brewer, or the baker that we expect our dinner, but from their regard to their own interest.' (Smith, 1776)

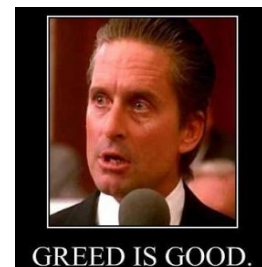
Although (in his *Theory of Moral Sentiments*) Smith had also said that individuals have some sympathy for the well-being of others, he was essentially expressing a highly individualistic and self-centred view of human nature. (Smith, 1759)

Then, in 1798 (*Essay on the Principle of Population*), **Thomas Malthus**, manifesting middle-class fear and snobbery, had claimed that lower-class humans have a tendency to endlessly replicate themselves with little intent of becoming educated or even attaining a higher standard of living (Malthus, 1798).



And so the scene was set for **John Stuart Mill** who (in *Political Economy*, 1836) presented the concept of *Homo economicus* which described humans as being consistently 'rational' meaning 'narrowly self-interested' and, in particular, always pursuing their ends in the most optimal fashion.

In short, according to Mill, all humans are selfish and greedy or, in a phrase, *Greed is Good*. (Mill, 1836)



Nature Red in Tooth and Claw

On Planetary Oneness Paradigm

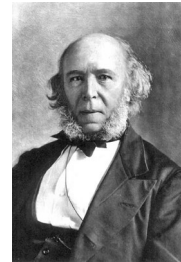
Mill was followed by **Alfred, Lord Tennyson** who wrote of:-

Nature Red in Tooth and Claw

(Tennyson, 1850)

Meaning of life – *Survival of the Fittest*

Then, after reading Darwin, **Herbert Spenser** bluntly summarised the meaning of life with the phrase *Survival of the Fittest*. (Spenser, 1864)



Empires, expansionism and industrialisation

And so Darwin's great scientific work was conflating with the philosophies of Adam Smith, Thomas Malthus, John Stuart Mill, Alfred, Lord Tennyson and Herbert Spenser.

The result was that there had developed a narrow, aggressive and ultimately destructive view of humans and their place on our planet as well as their relationship to other species and resources.

The inevitable consequence was a disastrously arrogant attitude which, unfortunately, coincided with the later stages of imperialism and the global expansion of European countries into other continents.

Furthermore, at the same time, the Industrial Revolution – then in full swing – was stimulating a race for resources and markets over the entire globe.

Moral justification and academic codification – *White Man's Burden* and mainstream economics

And let nobody think that the imperialism and expansionism were described and justified as such. On the contrary, they became tastefully clothed in the garb of the *White Man's Burden* i.e., a claimed **moral** duty to help and improve the world. In practice, of course, the so-called moral duty became aggressive colonisation.

Moreover, there was academic codification because mainstream economics, ignoring unhappy actualities, was claiming to be a science of objective reality and perfect equilibrium all of whose outcomes are inevitable, practical – and just!

Summary consequence of Darwinism – *Survival of the Fittest*

In sum, Science, philosophy, economics, literature, colonial expansionism, industrial exigency and militarism had combined to allege a moral and academic justification for conquering wherever conquering could be done (with, in particular, environmental issues being viewed as extraneous and of no concern).

Indeed, deep down, in individual and national psyches (and this is the depressing truth which obtains to this day), almost **anything can be justified** because, in essence, everything is all about *Survival of the Fittest...*

Today's problem – as things stand, there is no solution

All of which brings us to today's problem – a world whose intellectual conceptions and daily practices are such that, as things stand, there is not, **and never will be**, any limit

to aggression and material expansion with consequent depletion of the planet's resources.

Indeed, **everything** (particularly the economic, political and social systems) depends upon an aggressive individualistic materialism. The evidence for this is seen in today's societies as they push for endless 'economic' growth and recklessly deplete resources while their governments hypocritically talk of peace as they prepare for, and often conduct, another war.

Unfortunately, there is no solution at present because:-

- *Homo economicus* is seen as fundamental human psychology which cannot be changed
- if the citizens of the world are to have a standard of living equal to that of American citizens today, global resource consumption would be **more than five times** what it is at present. (Statista)

However, American society has many poor people and so (if the poor are to have a reasonable standard of living) **the five becomes seven**. On top of that, the present global population (around eight billion) is predicted to increase to ten billion or more. (Population)

All in all, at the American standard of living and projected population levels, the future global resource requirement would be about **TEN times** the present requirement.

The implications of that (if only in depletion of resources and war for what remains) are horrific and, at present, there is no solution.

C. The third great decentering – of self-centeredness

Yet – *Good News* – there **is** a potential solution i.e., a third paradigm shift.

Firstly, a significant realisation is afoot – sensitive sensor technologies, massive data collections, mind-boggling computer achievements and trenchant investigative techniques (on both miniscule and cosmic scales) are leading to the inevitable conclusion that **everything is interconnected**.

Planetary and universal consciousness

Moreover, the interconnection can be summarised as *Planetary*. *Planetary* is a world view encompassing living species and non-life forms all seen against a backdrop of universal consciousness.

Avoiding naught – a change in human psychology

However, just viewing the world is never going to be enough – what is important is whether destruction can be avoided and improvement made. Put another way, major matters must be effectively addressed or everything will come to naught.

And avoiding naught, in the first place, means providing a solution to two matters in particular:-

- the world's burgeoning population levels

- excessive material consumption

It is important to note that, unlikely though it might seem, both matters are **connected and so can be addressed at the same time.**

Furthermore, both matters essentially boil down to **one matter having one solution!**

And if that seems surprising, readers should be informed that both matters have something to do with changing the material circumstances of **everybody** in the world so that **human psychology will have a chance to change as well.**

Creating a Shared World View

Nevertheless, yet again, everything will come to naught unless all countries address the main issues **at the same time.**

Unfortunately, at present, that is unlikely.

Or is it?

Rather than proposing a world government – which would embody **old** paradigm thinking on a monstrous scale – the solution lies in creating a **Shared World View** against which all policy and decisions can be measured. In this way, the new paradigm will not be forcing itself on anybody or any institution but instead be something against which everything can be judged – and, in any fair judging, the new paradigm will win.

Suffice it to say at this point that the *Planetary Oneness Paradigm* has a world view which can come to be understood by everybody. Consequently, it is possible that individual countries may begin to look beyond their immediate past history and an outdated conception of their own interests and start to behave in a more global way.

Furthermore, social, academic, research and political groupings will want to make direct contact with others across international borders in a resolve to break with outdated thinking and bring in the new.

In short, the first requirement is for everybody to acquire a modern, accurate and dynamic understanding of physical reality – a Shared World View – because anything less will only end up propagating more difficulties and divisiveness than before.

Chapter Four

Tumbledown becomes *Planetary Oneness Paradigm*

Summary:

The main difficulty in building a Shared World View is that present mainstream thinking is based on fifty nine factual assumptions about reality all of which are interconnected so that the intellectual structure is rigid.

But when one of the assumptions is found to be false the interconnection means that the whole structure begins to crack before it tumbles down revealing a paradigmatic crisis.

Whereon, at first, there appears to be an empty landscape but, in the background, true components of the new paradigm (resulting from reversal of the false assumptions) are starting to interact with one another and soon, in the foreground, new plants and animals are springing into existence providing new solutions for previously intractable economic, environmental and political problems.

The basic problem in building a Shared World View is that there are at least *fifty nine* false assumptions underpinning the rigid intellectual and moral structure of mainstream economics and politics. The purpose of this rigid structure is to maintain the power of the elite.

Moreover, the assumptions are ***interconnected***. Thus it follows that one assumption cannot be changed without changing all the others. That is the Bad News.

The structure comes tumbling down!

But it also follows that (because of the interconnections and the rigidity) when one assumption is found to be false it has the effect of weakening the whole intellectual and moral structure.

Therefore, when more assumptions are found to be false, the pontificators get a nasty shock because the structure starts to crack and crumble before it tumbles down revealing that the world is in paradigmatic crisis.

That is astonishing but the revelation provides hope to those who have long been acutely aware that something is profoundly wrong.



Reversal of false assumptions at first creates an empty landscape

Yet even more astonishing is what happens when the individual false assumptions are fairly examined and **reversed**. As that is done – and here comes the Good News – it is realised that the **reversals (or near-reversals) are true** (or, at the very least, truer) and so **fresh components (for the new paradigm) become potentially available**.

Nevertheless, at first, even though there is realisation that everything is changing, there is an apparently empty landscape.



The

***Planetary Oneness Paradigm* manifests itself in new life forms**

The landscape is not empty for long, however, because, in the background, the fresh components are quietly intertwining with, and latching onto, each other as they search for something with which they are immediately compatible.

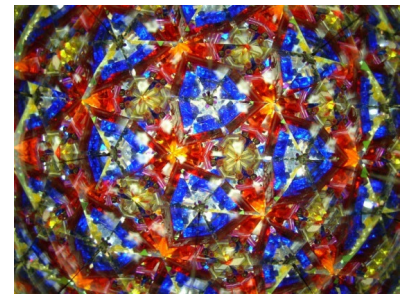
Indeed, quite remarkably, the components have a proclivity to latch onto **all** the other components and, for a while, there is a kaleidoscopic situation of changing colours and patterns beginning to create unusual understandings and insights in markedly original and constructive ways.

Then, as things coalesce in the background, surprising things start to happen in the foreground not least the emergence of new life forms.

In fact, it will be seen that unfamiliar animals are entering the landscape and, everywhere, unlikely plants – Can they really be that shape and colour? – are springing up.

As was said by Thomas Kuhn:-

‘It is rather as if the professional community had been suddenly transported to another planet where familiar objects are seen in a different light and are joined by non-familiar ones as well.’ (Kuhn)



New solutions, magnificent glory and true life purpose

Whereon it will be seen that new solutions for the world’s economic, political and environmental problems have appeared.

Soon, the *Planetary Oneness Paradigm* will have manifested itself in vivid, magnificent glory.... – and many people will be discovering a true purpose for their lives.

However, before that can happen, some worldly matters need to be addressed.

Chapter Five

A meeting is called

Summary:

A meeting is called to address the worldly matters (i.e., present global facts) and see whether they really do constitute evidence of deep and extensive paradigmatic failure.

Unfortunately, much evidence demonstrates the failure and, furthermore, that the world is in polycrisis.

In order to address worldly matters i.e., present global facts, it is convenient to conceive of a meeting at which people can speak their minds.

And the meeting opens with the Chair making a brief explanation of interconnectedness and *Planetarity* followed by reference to the sea of consciousness.

Only a few people have the *Planetarity* mindset

The Chair then says that only a few people have the *Planetarity* mindset and so 99.9% of the world's population remains inextricably mired in outdated paradigm.

However, with the *Planetarity* mindset people will have a trusted friend and, together, be able to extricate themselves from the mire before striding forth to address existential risk.

A shock.... – *fifty nine* false assumptions!

At which point the meeting has a shock when the Chair reveals that the miring is not the result of just one mainstream assumption about reality but rather of *fifty nine*! Yes, *fifty nine*!

Furthermore, the shock intensifies upon discovering that **ALL** fifty nine assumptions are **false**!

Bewilderment – evidence of deep and extensive paradigmatic failure

Worse, even those with the *Planetarity* mindset become bewildered when it is explained that the fifty nine false assumptions are the **cause** of the distortions, depredations, inefficiencies and injustices besetting the world today all of which are evidence of deep and extensive paradigmatic failure.

Consequently, as a result of the failure, there is a need for a paradigm shift which must be urgently addressed if there is to be any hope of ever extricating ourselves from the mire.

Silence

Whereon there is silence – then a voice mutters that nothing can be changed because people are powerless.

In any case, adds another voice, change on the scale of major paradigm is impossible.

Agreed, says a third.

A cup of tea

Nevertheless, perhaps after a cup of tea, a fourth person remembers that the 18th century French *philosophes* certainly *did* succeed in achieving paradigmatic change.

Furthermore, somebody else points to a modern example which, although not achieving large-scale paradigmatic change, at least had political effect – Noam Chomsky's *The Responsibility of Intellectuals* (1967) which greatly helped to stimulate and coalesce opposition to the Vietnam War (1964 – 1975).

And so, feeling a little more positive, the meeting decides to begin by examining the present global facts and see whether they really do constitute evidence of deep and extensive paradigmatic failure.

Humans are like fish contaminating their aquarium

Almost immediately, a silver-haired lady puts up her hand and proposes a simile – as a species humans are like fish contaminating the aquarium in which they swim and, unless something is done, disaster is inevitable. Thus we:-

- Commit ecocide by putting plastics into the oceans (and into our bodies); poison the atmosphere; destroy *flora* and *fauna*; and deplete our mineral resources. (Plastics)
- Allow (and, apparently, welcome) preposterous accumulations of wealth which do **not**, and cannot, 'trickle down' to ordinary people. (Piketty, 2013)
- Deforest land, enervate soils and pollute rivers.
- Exclude from the formal economy women and girls who, **every day**, do 12.5 billion hours of 24/7 unpaid caring work without which the human race cannot survive. (Oxfam, 2020)

And we:-

- Fail to remember that **half** the world's population exists on less than \$5.50 per day for everything including food, accommodation, travel, medicine and dentistry. Moreover, 860,000,000 people have to try to exist on \$1.90 per day. (Oxfam, 2022).
- Ignore parlous water and sewage situations – **ten thousand** people (**five thousand of whom are children**) die **every day** from the effects of dirty water. (Water)
- Insouciantly disregard colossal debt – personal, corporate and national. A Minsky Moment approaches (i.e., when debt becomes un-repayable).



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- Are indifferent to the implications of a **quadrillion** (10^{15}) dollar inverted pyramid of derivatives described by Warren Buffet as “financial weapons of mass destruction”.

Moreover, we:-

- Avert our eyes from lamentable homelessness – yet building materials are available. House prices, furthermore, have become unaffordable for ordinary people.
- Understand that the middle classes are being destroyed. In America, for example, real middle class incomes have been relatively going **backwards** for twenty five years. The American Dream is becoming a nightmare.
- Embrace super-smart Artificial Intelligence but are heedless of the dangers.
- Ignore the existence of bio-laboratories developing killer viruses.

And, to cap it all, we:-

- Have an inability to address the technological shift which, instead of good, secure jobs, is resulting in part-time, insecure, zero-hours-contract, ‘gig economy’ jobs which are not really jobs at all. (Standing)
- Are apparently unable to solve the continuing migration from global ‘South’ to ‘North’. This is caused partly by global warming making areas of the globe uninhabitable and partly by ‘globalisation’ which expropriates local resources; puts poor countries into ever-increasing debt and, in particular, ensures that there are no fair economies for the many (rather than the few).

Whereon it is **UNANIMOUSLY AGREED** that there is overwhelming evidence of deep and extensive paradigmatic failure manifesting in polycrisis and so, after some precipitating ‘black swan’ event, a collapse is inevitable....

It is FURTHER AGREED that, at the next meeting, a member will give a presentation on *Progressive Innovators*.

Chapter Six

Progressive Innovators

Summary:

The next meeting continues with account being given of the Progressive Innovators who, against all the odds, succeeded in achieving paradigm shifts in their respective fields of study but, usually, not within their own lifetimes.

The question then arises as to exactly why they had so much difficulty and the answer gives no cause for optimism.

At the next meeting, the member gives her presentation on *Progressive Innovators*.

She opens by saying that there are many historical examples of false assumptions about reality founding a major paradigm and so being the basis of powerful structures. The false assumptions are rooted in an academic subject and, at first, cause tension between those in the centre of the subject and those on the edge.

Vicious battles

The tension then increases before erupting into vicious battles.

On one side (personifying the centre of the academic subject and representing vested interests), are the **Conservatives** who wish only to maintain the *status quo* and so do not much care about establishing the truth. In particular, they have no desire to benefit others, let alone society as a whole.

On the other side (personifying the **edge** of the subject and **not** representing vested interests), are the **Progressive Innovators**. They are intent on establishing the truth and welcome change. They most certainly **do** desire to benefit others and their desire **does** extend to wanting to benefit society as a whole.

Progressive Innovators present an **opposite central factual assumption**

The viciousness of the battles is evidenced by the lives (and subsequent treatment) of the Progressive Innovators whose names, in addition to those of Copernicus and Galileo, are inscribed in gold within the annals of history.

In all cases, the Progressive Innovators realised that **one** main factual assumption about reality was central to their academic subject. **The assumption, moreover, was false.**

Furthermore, they knew that the Conservatives were not taking all the facts into consideration. On top of that, such facts as were being considered by the Conservatives were also being misinterpreted.

Above all, the Progressive Innovators were worried by overall explanations that, instead of being elegantly simple, preferred to be convoluted or opaque.

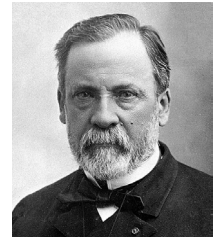
The challenge

They then made their challenge by presenting an **opposite** central assumption which was of much higher quality (as compared to the false one) and which took into consideration **ALL** the known facts.

In addition, the **opposite** central assumption enabled an accurate interpretation of the facts and did so without resulting in a convoluted or opaque overall explanation.

The Progressive Innovator challengers

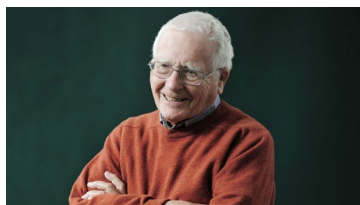
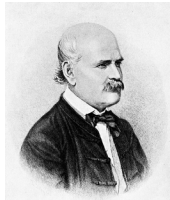
Thus **Louis Pasteur** demonstrated an **opposite** – that invisible, rather than visible, things are the cause of disease. He was rejected by his contemporaries.



Charles Darwin demonstrated that plants and animals had **not** recently entered the world but, instead, had evolved over millions of years. He, too, was rejected by contemporaries.

And it was the same with:-

- **Alfred Wegener** (shifting tectonic plates and continental drift). He died despairing that his colleagues would ever see the obvious. (Wegener)
- **Barbara McClintock** ('jumping' genes). Her research was rejected particularly because she was a woman.
- **Ignaz Semmelweis** who thought doctors and nurses should wash their hands – he was put into a mental asylum and probably beaten to death.
- **Cecilia Payne** (astrophysics)



- **James Lovelock**
- **Lynn**
- **Jane**



- and
- **Margulis (Gaia)**
 - **Goodall** (primatologist).

She contested conventional belief that chimpanzees do not make and use tools.

All the above Progressive challengers put forward **opposites** and were rejected by their contemporaries.

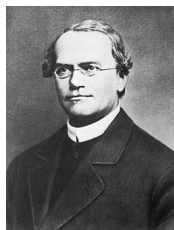
Vindication of the Progressive challengers

Nevertheless, without exception, the Conservative upholders of the prevailing major paradigm were eventually proved to be profoundly wrong and their Progressive challengers spectacularly right.

Vindication was complete.

The fixed rule

So why do these battles happen in the first place?



And why is there the fixed rule that *those who dare to challenge the prevailing paradigm must always expect rejection?* (However, sometimes, as with Gregor Mendel (genetics), Progressive challengers are simply ignored.)

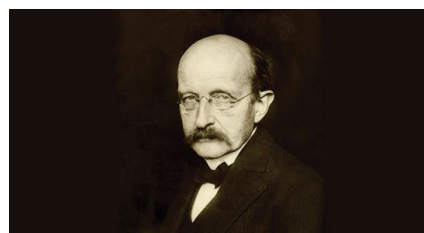
The situation of Progressive challengers

Charles Darwin succinctly delineated the situation:-

'I by no means expect to convince experienced naturalists whose minds are stocked with a multitude of facts all viewed, during a long course of years, from a point of view directly opposite to mine.' (Darwin)

And Max Planck, the originator of quantum theory, (*Scientific Autobiography*, 1950), went even further:-

'A new scientific truth does not triumph by convincing opponents and making them see the light, but rather because its opponents gradually die, and a new generation grows up that is familiar with it.' (Planck)



Battling on

Darwin and Planck, therefore, are saying that, such is the power of the prevailing outdated paradigm, the usual weapons of rationality – facts and argument – cannot win.

Instead, the upholders of new modern paradigm must battle on, and battle on again, often despairing that truth will ever prevail....

Notable battlers today include Rupert Sheldrake (whose propositions on universal consciousness, morphic resonance and morphic fields are arbitrarily dismissed as worthless by conventional scientists); physicist, astronomer and Berggruen Essay Prize winner Adam Frank; and Nobel Prize physicist Brian Josephson.

The length of the battles is the problem in achieving paradigmatic change

It is therefore inevitable – continued the member – that the battles between old and new paradigm are long and it is the *length* of the battles which is the biggest problem in achieving paradigmatic change.

Thus the Copernican Revolution started with Copernicus's *On the Revolutions of the Spheres* in 1543 and, in **scientific** terms, culminated with Isaac Newton's *Principia* in 1687. (Newton, 1687). That's **144** years!

But the achievements of the Revolution were also **political** and included the stimulation of – literally – revolution and so encompass the American (1776) and French (1789) Revolutions. That's **246** years!!

However **religious** acceptance of the Revolution did not come until 1992 when the Catholic Church finally admitted that Galileo was right. That's **449** years!!!

Nevertheless, there were shorter periods for scientific recognition of the work of other Progressive Innovators. In the case of Alfred Wegener it was fifty years after his death before scientific recognition came but within the lifetimes of both Charles Darwin and Barbara McClintock.

The opening situation – blanket hostility and assertion of dominance

In all the above examples the opening situation was one of blanket hostility, imperviousness to change and an assertion of dominance such that the Progressive Innovators could never have expected to succeed.

And that is the situation today with blanket hostility, imperviousness to change and an assertion of dominance manifesting in a cocky confidence proclaiming, for example, that a collapse of 'globalisation' is impossible because the 'free market' is always in balance and, if sometimes a little out of kilter, will soon return to equilibrium.

Propaganda further proclaims that the 'free market' is free and has outcomes which are always just i.e., all people get what they deserve.

Yet every sane person knows that, leaving aside environmental matters, the globalised 'free market' is **un**balanced; **inefficient**; **un**free (most people cannot acquire productive capital); and **un**just – most people do **not** get what they deserve....

Where does the cocky confidence come from?

So where does the cocky confidence come from?

It comes (said the member) from a profound belief that mainstream thinking is based upon accurate assumptions about factual reality – and nothing else.

Indeed, mainstream propagandists, academics and politicians are bumptiously **certain** that their assumptions about reality are sound and reasonable. As a consequence, they are convinced that the economic, political, social and environmental outcomes of their assumptions will also be sound and reasonable – as well as, in their view, desirable.

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In fact, it never occurs to them that their assumptions – far from being sound and reasonable – are patently **unsound** and **unreasonable** with outcomes that are **undesirable** so that society is mired in profoundly outdated paradigm and its negative consequences.

Best of All Possible Worlds

To be sure (the member adds) a complacent, arrogant mainstream thinks – much like Pangloss, the preposterous Optimist Philosopher in Voltaire's *Candide* (1759) – that its assumptions about reality automatically result in the *Best of All Possible Worlds!* (Voltaire, 1759)



Dismay cannot last forever

However, most people instinctively sense that, at the very least, the mainstream propagandists are being over-confident and, moreover, are ignoring the possibility that, far from being sound and reasonable, their assumptions are **unsound** and **unreasonable**.

To the cocky confidence of the propagandists, therefore, people react with dismay.

But dismay cannot last forever and so they begin to wonder whether there might be a new thinking which is clearly based upon sound and reasonable assumptions about reality and which **does** have desirable outcomes.

And yes (promised the member as she ended her presentation), there is.

Chapter Seven

The research of Rogers Hollingsworth and colleagues

Summary:

However, the Chair says that new thinking and paradigm shifts are never easily achieved and, to forward the thinking and help the process of making the shift, it is first necessary to learn of the remarkable historical research done by Rogers Hollingsworth and colleagues which identified the three main factors which must be in place before a shift can occur.

At the next meeting the Chair opens by saying that new thinking and paradigm shifts are never easily achieved and so, before continuing the quest for new paradigm, it is necessary to refer to Thomas Kuhn's *The Structure of Scientific Revolutions* which is the seminal work on paradigm and paradigm shift. (Kuhn, 1962)



In particular, Kuhn explained that a new paradigm **cannot** come into existence by using the vocabulary and concepts of the old one because old and new are **incompatible i.e., it is impossible to understand the new in terms (vocabulary and concepts) of the old.**

Forty years before explanation for paradigm shift



Unfortunately, while Kuhn comprehensively described paradigm, he did not also explain the factors necessary for bringing about a paradigm shift.

It was then to be forty years before the explanation was brought to light by the remarkable historical research done by Rogers Hollingsworth and colleagues. Commissioned by the USA government at a high cost (and discussed with this author at a Conference in 2000), the research encompassed all of history and a very large number of academic subjects.

The three factors in paradigm shift

Crucially, the research discovered that **three** factors must be in place before a paradigm shift can occur.

The three factors are part of a process operating over time. It has many aspects; sometimes involves many individuals; rarely moves in a straight line; and has

surprises as when somebody realises, or gets near, the truth but, for some reason, accidental or deliberate, the truth remains occluded or blocked.

For a few minutes members reflected on this.

First Factor

The first factor – the Chair was resuming – is obvious. It is:-

Widespread conservative knowledge and understanding of the main academic subject together with its factual assumptions about reality

An example is astronomy and the Ptolemaic geocentric paradigm which existed for many centuries and ensured that, although there were sometimes democratic outbursts, the balance of political and social power would always revert to authoritarianism.

Second Factor

The second factor is less obvious. It is:-

The tension which arises between Conservative and Progressive practitioners of the academic subject

In the case of the Ptolemaic paradigm, the tension arose as a result of the meticulous observations showing the movements and illumination changes of the planets all of which were then subjected to increasingly sophisticated mathematical analysis. Scientific method was at work.

The Ptolemaic Earth stayed at the centre of the universe – ‘epicycle’ theory!

However, the Conservatives chose to interpret the observations as revealing that the planets spin in little circles or ‘epicycles’ whilst also going around the Earth.

Thus the Conservatives, despite having to rely on the convoluted ‘epicycle’ theory, could still claim that the Earth is at the centre of the universe!

In this way the existing authoritarian political and social structures were able to maintain their power.

Demolition of Ptolemaic paradigm and overthrow of political and social structures

Nevertheless, the Progressives **did** eventually succeed in establishing factual realities directly **opposite** to those contained in the Ptolemaic paradigm and the associated ‘epicycle’ theory.

And so both Ptolemaic paradigm and ‘epicycle’ theory were to be demolished by the **Copernican Revolution** with long term consequences going far beyond scientific analysis to the overthrow of powerful political and social structures.

Lessons for us today

The story of the Ptolemaic paradigm and the associated ‘*epicycle*’ theory has implications and lessons for us today.

Firstly, we are in a situation similar to the one existing at the time of Copernicus and Galileo in that the prevailing false paradigm is creating a social, economic and political power structure with beneficiaries – the global elite – who rule the world.

Secondly, **just as** (at the time of Copernicus and Galileo) there was extensive social and economic failure, for example:-

- rich-poor division
- massive poverty
- destruction of *fauna* and *flora*
- high levels of debt

so there is similar failure today.

Thirdly – the Chair continues – there is tension today because Progressives who dare to doubt the worth of the mainstream paradigm are reviled and derided as trouble-makers, fantasists, screwballs, socialists, communists, nutcases – or even terrorists.

Moreover, censorship is building and courageous truth-sayers are being punished. Indeed, the censorship of so-called ‘misinformation’ has already begun. Even responsible websites are being falsely accused and then shut down. Individuals are being criminalised. Julian Assange, for example, was persecuted for revealing a terrible war crime in Iraq.

Even worse – potential totalitarianism

Even worse – if that is possible – it is likely that governments, on behalf of the global elite, will soon be taking absolute control over ordinary people via **Central Bank Digital Currencies**. These will have ‘**social controls**’ enabling stringent monitoring of all bank accounts. Individual items – income in and expenditure out – will then be partially, or totally, blocked. Totalitarianism is in prospect.

Third Factor

So what is the third factor?

Unfortunately, the third factor is far from obvious. Yet, at the same time, it can be clearly defined as:-

Some force of opposite mindset, powerfully present, coming from outside the academic subject and acting on the progressive thinking at the edge so as to create the new paradigm

But what ‘force of opposite mindset’? What is meant by ‘powerfully present’ and how can any idea come ‘from outside’? After all, ideas arise inside people’s heads!

Components of the third factor

In order to understand the third factor it is helpful to split it into three components:-

a) 'some force of opposite mindset'

A 'force of opposite mindset' is a challenging state of mind determined to:-

- meticulously examine the facts
- correctly identify their meaning
- do so in complete opposition to mainstream thinking

However, in the geocentric paradigm, **God had appointed the world's rulers** and so the new heliocentric paradigm was a direct challenge to autocratic regimes!

Therefore the 'force of opposite mindset' can only be:-

A radical willingness to challenge everything about an academic subject even though imprisonment, torture (the rack) and death by fire are the penalties



This radical willingness imbues Progressive Innovators as well as giants such as Jean-Jacques Rousseau (Rousseau, 1762), Voltaire and Tom Paine who have a towering sense of moral and political responsibility.

b) 'powerfully present'

The second component is that the 'force of opposite mindset' must be 'powerfully present' i.e., not only powerful in itself, but supported by powerful institutions and groups.

Unfortunately, support is almost impossible to obtain because the existing powerful institutions and groups are **always** the vested interests which are buttressed by:-

- most universities
- most think tanks
- the Central Intelligence Agency (or similar)
- the mainstream media

All of these institutions and groups exercise influence and, consciously or unconsciously, are bent on perpetrating and perpetuating a false (and profoundly reductionist) conception of physical reality.

Foundational *raison d'être* of intellectuals – speaking the truth

Such their benighted obduracy and to their eternal shame, **none** of these institutions and groups has any conception of duty to others, nor duty to our world. Indeed, they all betray the foundational *raison d'être* of intellectuals which is **to speak the truth and to expose lies**.

Moreover, they seem never to have heard of Noam Chomsky, still less of Julien Benda (*La Trahison des Clercs*, 1927).

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Put differently, globalised society is permeated, manipulated, deceived, corrupted and coerced by sociopathic institutions and groups which do **not** declare the forces they represent and smugly claim that they know better than everybody else.

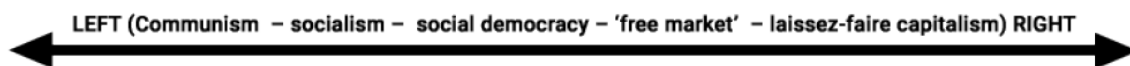
Gadarene swine

In fact the institutions and groups are much like a herd of (Biblical) Gadarene swine which embodies evil but is not yet ready to drown itself in the sea.

c) 'coming from outside'

The Chair continues by saying that the requirement to come 'from outside' is the most difficult of the components to understand because, on the face of it, a new paradigm **cannot** come from anywhere in the existing world.

This situation arises because **ALL** existing institutions (and the society in which they are embedded) are manifestations of outdated, inaccurate and static conceptions of reality. Consequently, because they are **ALL** based upon similar (false) assumptions, **ALL** present economics and politics exist somewhere on a left-right linear spectrum.



Indeed, even 'Green' economics is based on false assumptions. For example, 'Green' economics generally assumes that human labour (rather than capital instruments and the bounty of nature) does most, if not all, of the work in producing output.

In short, any new paradigm will be **outside and beyond** the linear spectrum and consequently **cannot** be understood by anybody using the old vocabulary and concepts.

A neatly dressed man – receptivity to re-consideration of basic assumptions

At which point in the meeting, a neatly dressed man raises his hand, looking worried.

"I'm an ordinary chap," he says. "How can I be expected to understand this paradigm stuff?"

No problem

"There's no problem," the Chair replies. "You do not need to be a top scientist (like the Progressive Innovators) nor a moral and political giant."

Indeed, the Chair goes on to explain, any reasonably well-motivated and knowledgeable person can understand because **they need only be receptive to re-considering some of their basic assumptions about life on our planet.**

At first, their basic assumptions will **appear** to be sensible, even true.

A BIG surprise – the opposites are true!

However, a **BIG** surprise comes when the **opposites** of the assumptions are considered and the **opposites** are realised to be **not only vastly superior but also undoubtedly true....!**

Once understood there is no turning back

Very soon, receptive minds will be imbued with the new paradigm and, once it is understood, there is no turning back....

Indeed, Galileo put the matter precisely:-

All truths are easy to understand once they are discovered: the point is to discover them. (Galileo, 1632)

**Amazing suddenness – apples can fall....Archimedes....**

Moreover, new truths can appear with amazing suddenness – as when Isaac Newton was (allegedly) hit on the head by a falling apple or Archimedes jumped from his bath!

In pursuance of the truth – and in the hope of being hit by an apple – it is now time to describe the false assumptions of mainstream thinking together with their true reversals (or opposites).

Buckminster Fuller – changing an existing paradigm

We will then be well on the way to having a 'light bulb' (or apple-hitting) moment and so be able to follow up on the advice of inventor, philosopher and futurist Buckminster Fuller:-

In order to change an existing paradigm you do not struggle to try and change the problematic model. You create a new model and make the old one obsolete (Fuller, 1968).

The meeting was then **ADJOURNED**.

Chapter Eight

Four (false) mainstream assumptions about reality

Summary:

The meeting now addresses four mainstream assumptions about reality all of which are false. They relate to:-

- who or what creates the output of goods and services
 - the cause of persistent poverty
 - the belief that, in future, there will always be jobs sufficient in both quantity and quality
 - the belief that wealth 'trickles down' from rich to poor
-

A week later the Chair announces that it is time to examine the first four of the false mainstream assumptions about reality which underlie today's prevailing major paradigm.

Mainstream false assumptions are interconnected in a net

He goes on to explain that, rather than taking a linear form (with one following on from another), the assumptions are ***interconnected in a net*** so that there are many points from which a start can be made.

That said, it is convenient to begin with one particular assumption because it is easily the most pernicious of all the false assumptions.

i) First false assumption – that human labour creates all the output of goods and services

In economics the most fundamental question of all is:- *In a task producing goods or services, who or what contributes to output and gets the benefit thereof?*

Whereon the first false assumption gives its answer:-

*In a task producing goods or services, the human labour contribution to output is 100% i.e., **humans do it all.***

Derived from several sources (including religious texts, David Ricardo and Karl Marx – Labour Theory of Value and 'congealed' labour theory), the false assumption is famously (or infamously) set out in an outdated and obfuscatory tome – *The Wealth of Nations* (Adam Smith, 1776). The tome opens with this sentence:-

The annual labour of every nation is the fund which originally supplies it with all the necessaries and conveniences of life which it annually consumes, and which consist always either in the immediate produce of that labour, or in what is purchased with that produce from other nations.'

The sentence speaks of human labour at a time when it undoubtedly contributed to (or rather, **appeared** to contribute to) output.

Moreover, the contribution was usually arduous and, in particular, the Protestant religion emphasized the importance of hard, physical work as a virtuous path to Heaven.

Furthermore, when Smith visited a pin factory (or had read Diderot's French *Encyclopédie* description of a pin factory) he observed that there, too, human labour (using tools) and **NOT** machinery did the work. Indeed, the processes involved were specialized **HAND** processes (although tools were also involved) e.g., extruding the wire; snipping and filing – eighteen operations in all.

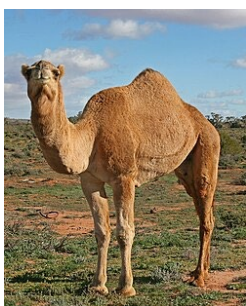
The pin factory, therefore, was efficiently producing pins because of narrowly specialised **hand** workers who were gathered in one place, easily bossed around and employed during set, regular hours. **No machinery was involved!**

Smith had got things badly wrong!

Yet in Smith's time there **already** existed many highly productive capital instruments providing goods and services e.g.:-



- windmills (invented over one thousand years ago in Iran); watermills (invented by ancient Greeks); and keystone bridges **all operating by themselves**



- pack-horses, donkeys and camels carrying loads largely by themselves
- ploughs, wagons, lifting equipment, olive oil presses, ships and brick kilns **all doing a lot of work** (but also requiring some human – or animal – input)



NB. Moreover, Smith was also not taking account of **the bounty of nature (i.e., natural productiveness)** which supplies us with fruit, fish, animals, plants, materials, water and minerals. A hunter-gatherer makes physical effort and exhibits skill, but the hunted animal, gathered fruit or netted fish **is really the product of the bounty of nature** i.e., **natural productiveness**.

Smith had therefore got things badly wrong because, in relation to the total output of a task, the percentage input contribution of the capital instruments was **INcreasing** while that of the human labour was **DEcreasing**.

Today, furthermore, Smith's error is the greater because of:-

- the growth in artificial intelligence; the development of quantum computers; the arrival of the 4th Industrial Revolution; and bio-engineering
- IoT (the *Internet of Things*) – **twenty two billion** devices already 'talk' to each other
- drones, voice recognition, virtual assistants, payment systems, translation software
- huge technological advances in manufacturing industry, agriculture, transportation, information and communications – with possible 'free' energy devices to come

ALL these things massively increase the total output with the **capital instruments doing an ever-increasing percentage** of the output.

Furthermore, recognition of the increase results in a **paradigm shift**.

The truth today – productiveness analysis

Therefore the truth today – this is the productiveness analysis – is that, in a task, as a percentage of the contribution to output, human labour:-

- **sometimes** does **ALL** the work in creating the output i.e., **labour does 100%**.
- **sometimes** does **A PERCENTAGE** of the work, ranging from large to small, with the rest being done by the capital instruments i.e., **labour does anywhere between 99% and 1%**.
- **sometimes** does **NONE** of the work with everything being done by the capital instruments i.e., **labour does 0%** (as in an automated factory)

To be fair to Smith, a close reading of *The Wealth of Nations* indicates that he was becoming aware of the productive power of machinery. It is thus unfortunate that he did not live a few years later, in 1803, when the Frenchman Jean-Baptiste Say most certainly *did* understand the productive power of machinery and he castigated Smith for getting things badly wrong. (Say, 1803)

Back where it belongs – on the bookshelf

Nevertheless, since Adam Smith was fundamentally wrong about who or what really does create the output today, it is time to put *The Wealth of Nations* back where it belongs – on the bookshelf.

Intellectual and philosophical foundation of Communism

NB. At this point the Chair inserts a note on Communism. He says that the false assumption that human labour creates all the output of goods and services is the intellectual and philosophical foundation of Communism. Unfortunately, **it leads to the government** (allegedly representing the workers and allegedly apportioning

income fairly) **owning and controlling everything**. The overall result is inefficiency and power-abusing governmental structures.

Communism certainly (and rightly) trumpets a call for justice but, **because of being based upon a false assumption about reality**, it is eventually doomed to fail.

Productivity The Big Problem

The Chair then speaks of the Big Problem which exposes mainstream economics as being completely out of touch with reality. By 'Big Problem' is meant the mainstream concept and definition of productivity.

He goes on to say that mainstream economics generally defines productivity as total production output **divided by** total labour input. Thus productivity is:-

$$\frac{\text{total production output}}{\text{total labour input}}$$

NB. This claims that **ALL** the output is done by human labour!

And so, as the production output increases (or the labour input decreases), the calculation of productivity can only increase. Indeed, any shift upwards in production output, or shift downwards in labour input, has the consequence of increasing the productivity.

Then, as the amount of automation increases (particularly as the number of workers approaches zero), so the productivity calculation starts to become weird. Indeed, 'fantastical' is a better word because the productivity rises at an impossible rate – ten times, one hundred times..... – even one million times or more!

And when the number of workers goes down to 0 (zero), **the productivity number reaches infinity!** Or rather, it is more realistic to say that **the productivity collapses to nought!**

Infinity and nought at the same time! This is ridiculous! It is impossible for productivity to rise to infinity while, at the same time, it has collapsed to nought!

In sum, the mainstream explanation of productivity is false and contradictory.

The Chair adds that the new paradigm concept of productiveness is far better and that the essence of the coming paradigm shift is simply to understand the crux of the matter i.e., wealth-creating capacity is increasing because of technological advance. A small, but impressive, work of art entitled *Paradigm shift* by Ian Bride (2024) summarizes the matter.

ii) Second false assumption – that persistent poverty is the result of unwillingness to work

The Chair goes on to say that Smith's error (magnified many times today), has a disastrous consequence because it allows mainstream thinking to make an outrageous explanation for persistent global poverty which completely obfuscates the true cause. The explanation says that the destitution of **half** the world's population (living on under \$5.50/per day) is because people are unwilling to work, or do not work hard enough, and/or are unwilling to become trained and educated.

But global poverty is **not** the result of an unwillingness to work. Rather it results from people being denied access to what really does create the goods and services i.e., **the capital instruments**.

The true cause of persistent poverty

Thus the true cause of persistent poverty is:-

(In addition to lack of good, secure jobs), a lack of ownership of, and access to that which:-

- really does create the wealth (i.e., technological and natural productiveness as embodied in capital instruments)
- finances the acquisition of technological and natural productiveness (i.e., low cost capital credit)
- legally consolidates technological and natural productiveness (i.e., capital ownership)
together with
- the burden of compound interest
- a thoroughly outdated understanding of economic reality

Consequently, if there is to be the elimination of poverty, **there must be widespread ownership of productive capital instruments i.e., Planetary Capital. However, this cannot happen while an untruth – that human labour creates all the output – prevails!**

Unfortunately, the mainstream media, academics and politicians, always acting as gatekeepers protecting the estates of the elite, continue to propagate the untruth because it disguises the percentage contribution to output of the capital instruments **thereby justifying the narrow, instead of wide, ownership of the capital instruments.**

iii) Third false assumption – that, in future, there will always be sufficient jobs

The Chair then raises the subject of jobs saying that mainstream propaganda says that there will always be sufficient jobs. Yet that is untrue – although there will always be some jobs and some good jobs, **sufficient jobs (in quantity and quality) for most people will NOT exist.**

The Chair develops his theme saying that the economic forecasts are for diminishing employment and he reminds the meeting of Yuval Noah Harari saying that, in future, the vast majority of the population will **not** be needed:-

'We just don't need the vast majority of the population because the future is about developing more and more sophisticated technology, like artificial intelligence and bioengineering.'

Horrendous implication

Thus, with hubris and arrogance, the *World Economic Forum* is saying that, because of having no productive function, most of humanity will have become, in the unfortunate little phrase uttered by Yuval Noah Harari, 'useless people'.

The phrase has a horrendous implication – that only those who are productive (i.e., the rich) have a right to exist while the unproductive majority does not.

Yes, dear reader, you **did** understand that correctly....

And so there is the terrifying prospect of a fascism bent on **INvoluntary** population reduction.

iv) Fourth false assumption – that wealth 'trickles down' from rich to poor

Then the Chair sets out the fourth false assumption which is that wealth 'trickles down' from rich to poor.

However, he says bluntly, 'trickle down' does **not**, **and cannot**, happen because the rich **never** spend all their money. Moreover, it is impossible for them to do so since their wealth increases **faster** than they can spend it.

Thus the world's richest 1% has more than double the wealth of 6.9 billion of the world's population and the twenty two richest men have more wealth than all the women in Africa (Oxfam, 2020). And billionaires increased their wealth as much in the last two years as normally happens in twenty three! (Oxfam, 2018)

Unfortunately, mainstream thinking worships billionaires and, in a way which may fascinate students of the after-life, is now apparently 'channelling' Ayn Rand and the extreme wealth differences she espoused in *Atlas Shrugged* (1957)!

Whereon, with enough information upon which to reflect, the meeting is **ADJOURNED** for a week.

Chapter Nine

Fifth false assumption – How banks create money

Summary:

The next meeting addresses the fifth false assumption relating to the creation of money. Members are surprised to learn that today's money is created out of nothing by simply pressing computer buttons. Moreover, the money is then **not** put into spreading the real economy to everybody.

A week later, another member – a grizzled accountant – is invited to speak. His subject is:-

v) Fifth false assumption – that banks lend existing money i.e., lend a real thing

The accountant opens by saying that mainstream propaganda cultivates the pernicious belief that the banks lend existing money.



However, the banks do **NOT** lend existing money – today's bank money is created **out of nothing** by the pressing of computer buttons! It is not silver or gold.

Mervyn King, former Governor of the Bank of England, said:-

'When banks extend loans to their customers, they create money by crediting their customers' accounts. The usual role of a central bank is to limit this rate of money creation, so that an excessive expansion of money spending does not lead to inflation.'
(Bank)



Yet propaganda still leads people to **believe** that lent money is a real thing **although it is not**.

Moreover, nobody's private money – not yours, not even the bank's – is being lent. **New** money is created (in electronic form which, if desired, is convertible into paper money and coins). In a process known as **fractional reserve banking**, depositors' and bank capital money act as a reserve and the newly-created money is *many times* the reserve amount.

The button-pressing process of creating the new money is admitted by the Bank of England which says:-

'In the modern economy, most money takes the form of bank deposits. But how those bank deposits are created is often misunderstood: the principal

way is through commercial banks making loans. Whenever a bank makes a loan, **it simultaneously creates a matching deposit in the borrower's bank account, thereby creating new money.**

The reality of how money is created today differs from the description found in some economics textbooks – Rather than banks receiving deposits when households save and then lending them out, bank lending creates deposits.’ (McLeay et al, 2014)

Sentences in the above quotation have been highlighted but nothing could be clearer – by pressing computer buttons the banks **create** the money that they lend and the economics textbooks tell untruths!

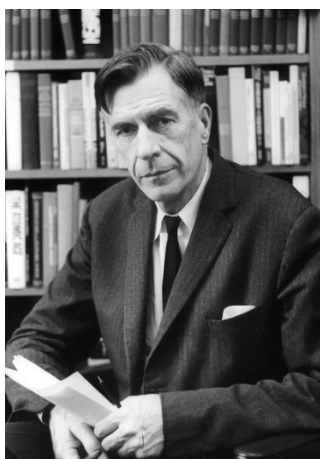
Also the Federal Reserve Bank of Chicago states:-

‘The actual process of money creation takes place primarily in banks.’
(Chicago, 1992)

In the UK, for example, 95% or more of new money is created by the banking system (the other 5% or less is created by the government).

Moreover, the great industrialist Henry Ford said:-

‘It is perhaps well enough that the people of the nation do not know or understand our banking and monetary system, for if they did I believe there would be a revolution before tomorrow morning.’



Furthermore, the famous American economist J.K. Galbraith wrote:-

‘The process by which banks create money is so simple that the mind is repelled.... It is, moreover, one that is almost breathtaking in its audacity.’ (Galbraith, 1975)

The quotation is significant because J.K. Galbraith, perhaps the world's greatest economist, was never awarded a Nobel Prize. The reason is that he blazoned the truth (*‘....so simple that the mind is repelled....breathtaking in its audacity....’*) and consequently the Western power structures never forgave him.

The truth is that the banking system, by creating money for itself, is usurping **society's** right to create money.

It's no wonder that J.K. Galbraith did not get the Nobel Prize...!

Getting away with counterfeiting

So how does it happen that the banks are able to do what is essentially counterfeiting usually punishable by long prison sentences?

How is it that the banking system is able to misappropriate **society's** money supply for its own narrow, elitist purposes?

Public not aware

The answer, firstly, is that the public is not generally aware that the banking system creates lent money out of nothing. Other people's deposits are *not* used for the lending

but the public usually believes that they are and, all the time, various sorts of subtle propaganda are used to maintain this belief.

False claim that bank money is directed at the needs of the real economy

Secondly, mainstream propaganda *claims* that the purposes of the economy are being properly served because the (created-out-of-nothing) lent money is being directed at productive capacity (it *claims*) in an efficient and just way which produces growth from which all fairly benefit.

That is the *claim*. So, according to mainstream propaganda, bank money (created out of nothing with interest added – all for the benefit of its creator) is the magic element in the (*claimed*) successful operation of the ‘free market’ i.e., the *claim* is that the new money is directed at, and serving, the needs of the real economy, efficiency and justice.

Bank loan money does NOT serve needs of real economy nor of justice

Yet today’s bank money does *not* serve the needs of the real economy.

For a start, the *claim* of efficiently allocating resources is untrue – only 2% or less of the money supply goes into new productive capacity. (Korten, 2001; Lietaer, 2001)

Indeed, today’s banking system instead allocates money to:-

- the gargantuan casino of derivatives amounting to a *quadrillion* dollars
- speculative trading of currencies now dominating world money exchanges (Meera & Larbini, 2004)
- the bidding up of the price of existing assets (e.g., stocks, shares, houses)
- the *narrowing* of ownership
- consumer credit (which *lessens* the capacity of borrowers to consume)
- putting individuals, companies and societies into un-repayable debt

Indeed, greed has overtaken common sense and the situation is madness.

And remember – *unless productive power is widely spread, there can never be a true balance of supply and demand*. When there is no spreading, the rich get richer and everybody else gets relatively poorer and more insecure.

Total debt becomes un-repayable

Moreover, adds the accountant, the present system creates enough money to enable repayment of the principal (of a loan) but does *NOT* create enough money to enable repayment of the interest. (el-Diwany, 2003)

Consequently, all the time, **more and more debt must be created in order to maintain the money supply.**

Eventually, *the total debt becomes un-repayable* – which is the situation today and so a global crash portends.

The meeting ends with the Chair thanking the accountant and inviting him to deal more fully with interest at the next meeting.

Chapter Ten

Sixth false assumption – The Problem With Interest

Summary

The accountant now deals with interest and explains that interest is put **on top** of necessary administrative cost and that it compounds in such a way that debt becomes un-repayable. Moreover, badly needed infrastructure projects e.g., clean energy projects and housing etc. can never be built.

At the next meeting the accountant member deals with interest.

vi) Sixth false assumption – that interest is necessary

He starts starkly by saying that interest is a blight on the world. Thus the city of Aachen in Germany where interest is 12% of the cost of rubbish collection; 38% of drinking water; 47% of sewage; and 77% of public housing.

Furthermore, over the period 1950 -1989, German GDP increased twenty two times, but interest on the National Debt increased **seventy five** times! (Kennedy, 1995)

Indeed, it has been said that **one third** of the price of *all* goods and services relates to borrowing at interest.

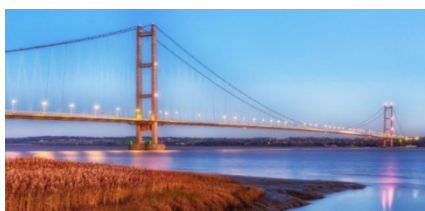
Generally, interest causes 80% of the people to pay out more than they receive; 10% are in balance; and 10% receive more than they pay out.



Compound interest

Because of interest the cost of capital projects is **doubled even quadrupled or more** particularly when the interest is compounded. **Compound interest** is extra interest added **on top** of interest. It arises when there is delay in repaying the principal of a loan (e.g., when a big capital project takes years to build); or there is delay in repaying interest; or if the borrower is remiss in fulfilling a term of the agreement. Compound interest:-

- puts the world into ever-increasing debt
- prevents clean water
- stifles green electricity
- doubles, trebles or more the cost of a capital project (el-Diwany, 2003)



The UK Humber Bridge.

Consider the UK Humber Bridge. Starting at £28,000,000, compound interest (with some price rises) took the cost to £439,000,000. That's **fifteen times** higher! Yet the Bridge is profitable! Indeed, every year, its operating costs – repair, maintenance and salaries – are **less** than the fees received from travellers crossing the Bridge! **NB.** The ever-rising cost was too much for the Humber side residents and so the UK government was forced to take over responsibility for repayment. (Humber Bridge)

Social consequences of compound interest – 200,000 farmers commit suicide

In India, between 1997 and 2010, compound interest caused 200,000 farmers to commit suicide. (Rupee, 2010).

7 farmers end life in 48 hours



That's 15,000 per year. To get out of debt, many farmers have to sell one of their kidneys.

Is interest necessary?

Is interest necessary?

NO! Fair administration cost (which is small) is necessary as also is the repayment of the principal (i.e., the original borrowed sum) and sometimes a sum in lieu of collateral.

NB. The fair costs of administration can include an element of 'standing charge' for maintaining an account and having somebody available to administer it when necessary. However, there is no justification for high interest when, in most cases, the fair administration charge is *under* 1%.

Generally, interest is NOT necessary because it is a cost put **ON TOP** of administration cost and attaches itself to a debt thereby creating additional recurring charges in a way which is completely distinct from administration cost.

Conflation

Bankers also claim that interest is necessary because they are able to conflate (i.e., mix together) the interest with necessary administration cost, principal repayments (and sometimes a sum in lieu of collateral) with the result that **they cannot be distinguished from one another.**

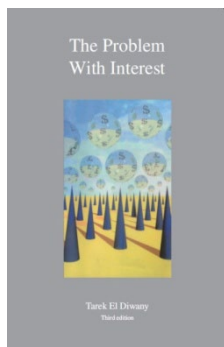
Thus any distinction between the necessary and the unnecessary is lost.

Outrageous

Today, when money is created out of nothing, it is outrageous that interest is unnecessarily added. Of course, if people are lending **their own** money, then they can, and will, charge interest. After all, they have the whip hand saying, "If you want the money it's on **my** terms, **not** yours."

But it must be *their own* money and **NOT** money created out of nothing by pressing computer buttons. When money is created in this way, the banks are using – and abusing – **society's** power to create money to benefit themselves.

All interest is usurious



Moreover, mainstream propagandists (and the law courts) uphold the imposition of interest by distinguishing between ‘fair’ interest and ‘usurious’ (or excessive) interest. Indeed, the West defines usury only as ‘excessive, unreasonable, unfair interest’.

But **any** level of interest, particularly when compounded, still allows inordinate transfers of wealth to the lender for no reason other than that the lender has the whip hand and can decide the terms of the lending.

Consequently, there is no true distinction between ‘fair’ and ‘usurious’ because **ALL** interest (and not just excessive interest) is usurious. Of course, the usury is cunningly disguised in various ways (e.g., by lumping in the interest with the administration cost) but, no matter how disguised, interest, in reality, is merely a continuing charge (or ‘tax’) **in addition** to administration cost and the need to repay the principal of the original loan.

Cost of capital projects doubled or trebled: clean water prevented

Thus the cost of capital projects is **doubled, tripled or more** by the use of interest. Not only are good water and sewage systems prevented but so is clean electricity generation. In the UK one project alone – tidal lagoons in the Severn estuary – would generate 5 - 10% of the UK’s electricity needs. Existing technology would be used and the project has a long life and excellent physical viability. Yet, because interest-bearing, rather than interest-free, loan money would be used, the project is not financially viable. (Indeed, citing the need for ‘austerity’, the UK government cancelled the tidal lagoon project.)

Interest puts the whole world into ever-increasing debt

Banks create out of nothing the money they lend and the creation is sufficient to allow for the repayment of the principal. **However, banks do NOT create enough money to repay the interest.** (el-Diwanly, 2003)

The system as a whole therefore requires that **overall debt should continually increase** but that, of course, means that the level of debt has to increase to a level where it cannot be repaid. At which point debt is repudiated, confidence collapses, a Minsky moment develops – and ‘bust’ replaces ‘boom’.

Interest creates inflation

At present, **TWO** lots of interest-bearing financing are required to keep the system going – one for production and one for consumption. Western double financing

requires more and more money to be created and thus is the main factor causing the insidious creep-creep of inflation.

Islamic Finance/Banking is riddled with interest

What about Islam? Asks a woman. Islamic religion forbids the taking and giving of interest (*Riba*).

Answering the question, the accountant says that nobody should think that Islamic Finance has anything to do with the elimination of interest. On the contrary, Islamic Finance is riddled with interest although it's heavily disguised.

In previous times, ordinary Muslims, not wanting to be involved with *Riba*/interest, were in effect excluded from banking services.

The huge growth of Islamic Finance/Banking over the last fifty years, however, is because **it can purport to be not involved with *Riba*/interest.**

But the reality is that *Riba*/interest **IS** involved although it is hidden by complicated legal contracts by which the *Riba/interest is disguised as 'rent' or agglomerated as 'mark-up', or 'profit', even 'partnership'.*

Thus the services offered by today's Islamic banks are only superficially free from interest and, in practice, Islamic Finance/Banking rips off *more* from borrowers than does Western finance. And **that** is why Islamic Finance/Banking is supported by the West and embraced by Western banks which have Islamic 'windows'.

Islamic Finance is the same as Western finance

Moreover, like Western finance, Islamic Finance has no desire to *spread* the real economy to *every* person in society. Furthermore, like Western finance, Islamic Finance is merely designed to increase debt; to keep productive capacity narrowly owned, and to steal the resources of others and other countries.

Thus, in reality, Islamic Finance *is only Western banking/finance under a different name.* In 2006, Harvard University (USA) held a big Conference attended by many Islamic and non-Islamic academics, bankers etc. The Conference was entitled *Integrating Islamic Finance in the Mainstream – Regulation, Standardization and Transparency.*

Indeed, the Conference was dedicated to asserting that 'Islamic Finance' is only another brand name for Western banking/finance and, moreover, *that is how it should be.*

The Conference was essentially a piece of Western triumphalism stemming from the capitalist victory over Communism in 1989/1990 and, significantly, it took place just **before** the great financial collapse of 2007/8.

In short, the Harvard Americans were claiming Western economic and financial superiority (as well as political and cultural superiority) and the Muslim academics and bankers at the conference were fool enough to agree.

The Chair thanks the accountant for his insights into interest together with much illuminating information.



Chapter Eleven

Seventh and eighth false assumptions – burgeoning population levels and excessive consumption

Summary:

The meeting is told that the seventh and eighth false assumptions deal with two matters – burgeoning population levels and excessive consumption. Both matters are connected and so they have a long term solution in common.

It had been previously pointed out (in Chapter Three, section C) that two matters in particular – burgeoning population levels and excessive consumption – must be addressed at the same time if global problems are to be successfully resolved. Moreover, the resolution of both matters essentially boils down to **one** solution.

The Chair now announces that he has invited a well-known academic to address the subject of burgeoning population levels.

A. Burgeoning population levels

vii) Seventh false assumption – that population levels should not, and cannot, be voluntarily reduced

The academic starts by saying that, in long past times, humans *appeared* to create all or most of the output and so it was necessary to maintain the population which (*apparently*) did the creation.

Moreover, starvation, disease and war devastated populations so that, at the very least, population replication was always essential.

Furthermore, the past was a time when, generally, the world's natural resources were not being obviously strained.

And so, in the past, it was **true** (i.e., it was **believed**) that population levels should not, and cannot, be voluntarily reduced.

Things change

But that was then and not now. **Things change.** Today, it is observable fact that, in circumstances where a society has:-

- a reasonable standard of living
- good health and education systems (which are free at the point of service)
- status for women

population levels DO stabilise and can reduce – VOLUNTARILY.

This happens because, in those circumstances, children are less generally needed to provide for their parents in old age and the death rate for children is low.

The academic continues by reminding the meeting that computers and new technology are doing more and more of the production today (and will be doing even more in future) and so large expanding populations will **NOT** be needed to ensure adequate production.

The elitists lack a voluntary method to reduce population

The academic then says many people believe that the *Great Reset* elitists intend some form of *involuntary* method of reducing population of which the most obvious is a bio-weapon i.e., a genetically-altered virus. It would probably be aimed at everybody but with an antidote secretly available only to the elitist few.

People believe this because they notice that the elite *lacks voluntary methods for reducing population levels* and so (because the elite has power, money and a capacity for secrecy) an *involuntary* method becomes likely.

And, in support of that belief, it should be remembered that, firstly, Nazi scientists were doing bio-experimentation by 1939 and that, secondly, after World War Two, many Nazi scientists were recruited by *both* the USA and the Soviet Union. Thirdly, there are many secret bio-laboratories in the world today.

A dubious explanation – freak of nature

Moreover, many people, thinking about the Covid-19 pandemic, notice that, even while secret virus research is going on in many places, the mainstream media always explain away any outbreak of virus as being a freak of nature – and *never* a leak from a laboratory....

Thus a freak-of-nature explanation for the Covid-19 pandemic is that the virus originated in the Wuhan wet meat market which sells many items including bat meat.

Therefore, assuming that bat virus experiments are being carried on in the Wuhan laboratory (which seems likely), the question arises as to exactly how bat corpses are disposed of and whether they are always disposed of in the authorised, ethical way (i.e., by incineration) rather than maybe being sold for a few dollars in the wet market.

On top of that, it has long been alleged that smallpox has been eradicated from the world. However, as far back as 2003 (Iraq war), the Pentagon introduced *mandatory* smallpox vaccination for its military, diplomats and medical personnel thereby indicating that the USA **knows that smallpox exists and is a likely pathogenic agent for combat use** i.e., the USA is aware of a weaponised smallpox in the bio-laboratories.

NB. Smallpox is ten times more lethal than Covid-19.

The great fear – a death virus

Therefore, not surprisingly, many people now have a great fear that:-

- a death virus can be bio-engineered – in secret

- its antidote can be also bio-engineered – in secret
AND the antidote made available **only to a few**.

The fear is undoubtedly real because small numbers of people, wanting to reduce global population, certainly have the necessary power, money – and secrecy. The academic finishes by thanking the Chair for the opportunity to speak.

B. Excessive consumption

After a tea break the Chair introduces a psychologist who will discuss the second subject of excessive consumption.

viii) Eighth false assumption – that *Homo economicus* is an accurate characterisation of human psychology i.e., Greed Is Good

The psychologist says that the concept of *Homo economicus* is causing disaster on a colossal scale because it says that selfishness and greed are central to human psychology.

Unfortunately, as things stand (with exception of some small gift economies and commendable individuals and groups), selfish, greedy *Homo economicus* **IS** a fair characterisation of human psychology. The evidence is seen in today's societies with their endless desire for material accumulation which has disastrous consequences for *fauna, flora*, resources, health and the environment.

Implications of *Homo economicus* are often disguised

Moreover, warns the psychologist, it is important to understand that *Homo economicus* is often disguised. Thus an economics text book may open by saying that economics is about scarcity. This means that, while some people are able to get most (but not all) of the things they want, the rest of humanity does not, cannot, and **never will** get what it wants. The text book is essentially saying that nobody is ever satisfied (not even the very rich) and, as for the poor, well, it's too bad – *they will always be poor....*

So, according to mainstream economics, greed is everywhere which means that excessive consumption, on the one hand, and persistent poverty and strife on the other are inevitable as also is the depredation of resources and the environment.

Claim of Perfection by mainstream economics!

Moreover, mainstream economists love *Homo economicus* because it says that human nature cannot be changed. Thus, they claim, **mainstream economics (based on the *Homo economicus* concept) also cannot be changed and so is Perfect!**

Wonderful! According to the mainstream economists, there's no need to think any more! Everything is solved! No more change is possible! Mainstream economics embodies Perfection! Hooray!

The cause of greed is insecurity

And who is to say that, at present, the mainstream view of greed is unreasonable? asks the psychologist.

Indeed, at present, the mainstream view **IS** reasonable – yes, reasonable – because greed is essentially caused by a mixture of:-

- actual insecurity
- fear of potential insecurity
- aspiration to the condition of those who undoubtedly do have security

Thus, when there is a lot of insecurity and huge rich-poor division in the world (as is the case today), there is certain to be a lot of greed....

The greed, moreover, means that all humans (at least via their governments) will naturally be aggressive. Thus the prospects for permanent peace are weak, even non-existent.

But what happens when everybody's basic needs are met?

But what happens when **everybody** has their basic needs – for comfort, food and shelter – being consistently, independently and securely met so that they need never fear penury?

In that situation, affirms the psychologist, people will begin to question if selfishness and greed really are unalterable human qualities or whether, in positive new circumstances, it can reasonably be expected that they will change.

Greedy *Homo economicus* to be replaced by responsible *Homo co-operans*

Indeed, continues the psychologist, after considering the situation, people might then begin to perceive the activities of those who endlessly desire excessive wealth and indulge in excessive consumption as immature and selfish.

People might further conclude that, whereas greed is worshipped today, in the *Planetary* future (when **every** person will have material security), **greed could suddenly become unfashionable** and so sensible living (i.e., living without excess) could become the fashionable norm for those wishing to lead valid, accountable lives. Thus a basic material security for everybody is the only way to change *Homo economicus* into *Homo co-operans* and thereby give hope that the future world will be living within the resources available.

In those circumstances, says the psychologist, ***Homo co-operans*** will come to prevail. The result will be a greater sense of the need for moderating consumption; more accountable attitudes towards irreplaceable natural resources, *fauna* and *flora*; and an overall awareness of planetary sapience.

In short, social status will become associated with living responsibly.

Furthermore, adds the psychologist, as the well-know academic has pointed out, by providing a basic material security for everybody that same security in practice leads to a stabilisation, even reduction, of population levels.

A plus B – one solution

At which point the Chair intervenes saying that a moderation in consumption is essential. As Mahatma Gandhi rightly said:-

'The world has enough for everyone's need, but not enough for everyone's greed.'

However, the moderation will only come if **everybody** has that material security which will enable the development of *Homo co-operans* while, **at the same time**, providing the circumstances in which, in practice, population levels stabilise and even reduce. **In short – the Chair is very clear – the solution is A plus B.**

The psychologist agrees – basic material security for all would lead to not only population stabilisation (or reduction) but also to moderation in material consumption.

It's like killing two birds with one stone, she sums up.

The Chair then remembers what was said by futurist and inventor Buckminster Fuller:-

'It is now highly feasible to take care of everybody on Earth at a 'higher standard of living than any have ever known.' It no longer has to be you or me. Selfishness is unnecessary and henceforth unrationalizable as mandated by survival.' (Fuller, 1981)

The Chair ends the meeting by thanking the psychologist for her contribution.

Chapter Twelve

Ninth to nineteenth false assumptions

Summary:

The Chair briefly explains the ninth to nineteenth false assumptions of mainstream thinking.

A week later, the Chair speaks about further false assumptions which include:-

ix) (False) High taxation (i.e., redistribution) is necessary

At present, high taxation is necessary so as to redistribute income (to those with inadequate income).

Mainstream economics fails to ensure that all individuals are sufficiently productive for their basic requirements. Put simply, many people don't have enough income and so high taxation (redistributing money from rich to poor) becomes inevitable.

And, as things are at present, many people (willing to work and become educated) will **never** have enough income.

Moreover, the number of those without enough income is going to increase as the great technological shift smashes out the traditional, relatively steady, well-paying jobs and replaces them with temporary, part-time, zero-hours-contract, 'gig economy' jobs.

In short a **precariat has developed i.e.**, an agglomerate of several different social groups including (to the surprise of mainstream economists) many young **educated** people. It is a new, emerging (and increasing) social class of a nature *different from anything which has come before* and its key characteristics are:-

- job insecurity
- low pay
- lack of time control
- identity insecurity

Identity insecurity is a big factor because the *precariat* contains those who have fallen out of the old-style industrial working class. They are in a particularly bad situation because they have lost the social and psychological backing which used to come from a common industrial experience and a strong sense of class identity. (Standing, 2011)

The insoluble problem of high taxation – and the solution

Unfortunately, at present, nothing can overcome the basic problem which is that jobs are doing relatively *less* of the productive output and so there is a need to correct the situation.

Yet, without that correction, high taxation is inevitable and will continue to be inevitable until, as in the *Planetary* economy, the relative earning power of the bulk of the population is increased.

x) (False) Student loans must bear interest

No! ‘

A student loan crisis has developed.

Yes, it's the same old story – mainstream economics says everything will be OK because there will always be lots of secure, well-paying jobs for lots of people. Therefore, says mainstream economics, when you go into huge debt for your education, you will have no problem paying off a loan – at interest....

Which is not true – most of today's students will end up unable to repay interest-bearing debt.

Student loans, therefore, should be, and can be, interest-free (and any future high-earners can be taxed in the usual way).

As long as student loans originate with public or national banks there is no reason for the loans to bear interest.

As regards the security, or collateral, for the repayment of the loan, repayments are collected via the government taxation system.



xi) (False) Slogan – *There Is No Such Thing as a Free Lunch*

This stupid, selfish, lying slogan claims that any improvement for the poor inevitably involves a detriment to the rich (although another meaning is that acceptance of a free lunch creates a reciprocal obligation.)

In short, the claim says that an economy is a zero sum game and the basis of the slogan is a complete misapprehension about how wealth is created because the reality today is that **technological advance massively increases total output**.

Thus the key problem is how to **spread** the increase so that **everybody** benefits with a consequential balancing of supply and demand.

xii) (False) An economy requires TWO lots of financing BOTH bearing interest

Today's economies require **TWO** lots of financing – one for production and one for consumption – **BOTH bearing interest**....

Simulfinancing

With *Planetary* financing, however, only **ONE** lot of *interest-free* financing is necessary because it finances *both production and consumption at the same time* and so is called *simulfinancing*.

xiii) (False) Personal, national and international debt is healthy

Nonsense!

Because of having to repay interest, indebted people and nations have *less* purchasing power (and *less* ability to repay) than would otherwise be the case.

Furthermore, when compound interest prevents the debt ever being repaid, collateral assets are seized by the international vultures.

xiv) (False) Economics does not need to take account of other subjects

Wrong!

Because everything is ultimately connected, **ALL** academic subjects, to the greatest possible extent, must take account of other subjects and always have a strong sense of ethics, justice and *Planetary*.

xv) (False) Economic inequality is desirable – the greater the ratio between top and bottom earnings, the better

Yes, mainstream economics claims inequality is desirable. High earnings, it claims, are the result of hard work and effort.

Sometimes they are but, generally, wealth results from ownership of, or control of, or connection with, what really does create the wealth – **the capital instruments and the technology that they embody**.

Indeed, billions of people work really hard but their reward is derisory and wealth does **not** ‘trickle down’ from rich to poor.

Moreover, gross inequality prevents a proper balance of supply and demand.

xvi) (False) Large economic cycles and crashes have been ended

The cycles and crashes have **not** ended e.g., 2000 and 2008. Moreover, there is a huge crash to come in the near future.

The cycles and crashes are the result of an imbalance in supply and demand. Then, in order to try to correct the imbalance, there is a rise in debt – more and more debt – to unsustainable levels.

At some point, a crash becomes inevitable particularly because today’s debt levels – personal, corporate and governmental – are *higher* than those of 2008.

If the crash of 1929 is re-visited, for example, it will be seen that the biggest factor in the crash was the build-up of debt to a point at which a crash had become inevitable. Prior to the crash, of course, there was a sharp rise in bubble mania.

And when the build-up of debt and the mania are combined with a complete lack of understanding about the need for an economy to be genuinely in balance, the

inevitable happens – another crash with the consequence that numerous lives are ruined.

xvii) (False) Economic history is irrelevant

Economic history reveals the truth about the build-up of un-repayable debt but mainstream economics, with astonishing arrogance, is determined to eradicate the teaching of economic history in universities claiming that, nowadays, everything is in perfect balance (or, if a little out of kilter, will soon return to balance).

The claim means that the mistakes of the past which include:-

- excessive debt
 - debt in the wrong places
 - money created out of nothing and not used for the spreading of the real economy
 - stock market mania and bubbles galore
 - rich-poor division
- are never understood, let alone corrected.

xviii) (False) Economics is a separate academic subject which need not take account of other subjects

Academic subjects tend to be studied separately if only because the amount of information and concepts involved is such that specialisation seems to be inevitable.

Yet the more the specialisation, the more the danger that the facts will be viewed *in only one way* and minds become closed to viewing them in any other way.

As far as possible, all academic subjects, to the greatest possible extent, must take into account all other subjects and always, always, have a strong sense of justice and social equity.

xix) (False) Night and day, the global elite dreams of serving the interests of the mass of the world's population

At present, moves are being made to monitor the individual carbon footprints of billions of people.

But wait! Does that mean that the global elite will have *their* carbon footprints monitored and controlled?

Of course not! Such monitoring would mean a complete stop to *their* energy-consuming, resource-depleting and extravagant ways.

So there is a very fundamental contradiction between the behaviour of the global elite and the need for responsible, environmental living.

The chances of the global elite actually serving the interests of the mass of the world's population are – to put it shortly – nil.

More false assumptions are in Appendix One

All fifty nine false assumptions (and their reversals) can be found in Appendix One of this book or at the website www.binaryparadigm.org

On Planetary Oneness Paradigm

On the first page of the website there is also a short audio introduction to the subject.

Chapter Thirteen

Efficacious paradigm

Summary:

Members are showing a growing understanding of the new paradigm. The Chair therefore feels it is time to explain:-

- why the new paradigm is efficacious
 - how it enables a new methodology for, and new definitions of, academic subjects
 - how it expands the domain of academic subjects
-

At the next meeting, members are indicating their growing understanding of the new paradigm. The Chair therefore takes the opportunity to explain why the new paradigm is efficacious saying this is because it is:-

- *accurate*
- *internally consistent*
- *comprehensive* in scope
- *simple* – the simplest explanation of the facts is best (Occam's Razor)
- *fruitful* i.e., revealing new phenomena, new relationships and seemingly endless beneficial possibility, Indeed, there is a new vista, a new landscape, in which new animals and plants are seen. Even the colours are new....
- **not reductionist.** The *Paradigm* encompasses many subjects e.g., history, sociology, psychology, religion, environment, finance, law, economics, health, politics, anthropology, education, technology, physics, ontology and epistemology

Furthermore, the *Paradigm*:-

- includes *ethics*
- is *allocentric* (i.e., concerned with the needs of others)
- understands *change over time*
- comprehends *Planetary*

NB. Aspects of the new paradigm need developing and readers are invited to contribute their research. See Appendix Two – Areas for Development.

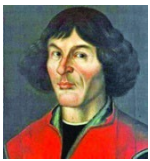
Efficacious methodology – EDCReDS

The Chair then explains that present methodology is outdated and, in particular, is resulting in a failure to find solutions to apparently intractable problems.

However, the new paradigm enables a new methodology for academic subjects – **EDCReDS** – which is not only efficacious but also central to the epistemological challenge of discovering truth **AND** is capable of solving the problems.

In its method **EDCReDS**:-

- **Examines** the facts – *meticulously* examines the facts – and, like Alfred Wegener and James Lovelock, takes into consideration a wide range of facts
- **Detects** the assumptions about the facts made by mainstream schools
- **Checks** to see if the assumptions are accurate before deciding, for example, if the mainstream reason for persistent poverty is true
- **Reverses** inaccurate assumptions – whereon the reversals or near-reversals **are seen to be true! This is done fifty nine times!**
- **Deduces** new, beneficial policy from the reversed assumptions



- **Seeks** the simplest possible overall explanation of all the facts

By meticulously and comprehensively examining the facts, applying logic, rejecting false assumptions and



ensuring coherence in overall explanation, **EDCReDS** is making an epistemological challenge and following in the footsteps of Copernicus and Galileo.

New definition of academic subjects – economics

New paradigm and new methodology result in new definitions of academic subjects. For example, the definition of economics becomes:-

Economics is the science of production, distribution and consumption of wealth, goods and services always ensuring a truly balanced economy and taking into account the wellbeing of all people and responsibility towards fauna, flora, ecosystems, environment and resources.

It works towards Homo economicus evolving into Homo co-operans.

Mainstream definitions of economics

The *Planetary* definition of economics is in complete contrast to the mainstream definitions which say that economics is:-

- *about scarcity* – this definition is found in many textbooks
- the *Calculus of Pleasure and Pain*. – Jevons

All mainstream definitions, however, whether clearly expressed or not, have at their core the concept of a selfish, greedy *Homo economicus*. Since *Homo economicus* is claimed to be basic human nature, mainstream economics is saying that **nothing**, particularly itself, **can ever be changed** and so individual selfishness will prevail with some people being much more fortunate than others....

Expansion of domain

Moreover, the *Paradigm* hugely expands the domain of economics to include:-

- human psychology
- **ALL** humans

On Planetary Oneness Paradigm

- **ALL** aspects of the environment **AND**
 - ethics
- thereby creating a new wholesomeness and global connection.

Chapter Fourteen

Practical application of the new paradigm

Summary:

The Chair says that there is now sufficient understanding for the new paradigm to be presented in practical terms i.e., in its effects on everyday life.

At the centre of the new paradigm is the recognition that large amounts of interest-free money can be created for many beneficial purposes as long as the money is repaid and cancelled.

The Chair opens the next meeting by reminding members that, if the old paradigm is used, there is no practical solution to the world's problems.

Whereon a national politician (who has been sitting quietly at the back of the room) stands up and offers to speak on practical applications of the new paradigm.

The Chair accepts her offer.

Supply of interest-free (repayable) loan money

There IS a practical solution (begins the national politician) and it starts by understanding that, in today's finance capitalist societies, **interest-bearing** money is the norm.

In contrast to the norm, **Planetary** financing introduces a supply of **interest-free** repayable loan money emanating from public, national or international banks (but locally administered by the private banking system and public banks charging only administration cost and no interest).

There is no reason not to introduce the interest-free money supply other than the outdated assumptions and practices now bringing our world to destruction.

Therefore the practical application of *Planetary* financing may be summarised like this:-

THAT

IN A PLANETARY SOCIETY, for the purposes of addressing:-

- **major environmental issues (including global warming)**
- **the conservation of natural resources**
- **the necessity for sustainable (and, in particular, habitable) economies**
- **a change from *Homo economicus* to *Homo co-operans***
- **existential risk**

AS WELL AS ensuring that money is related to the real economy and its spreading,

THERE ARE NO INTELLECTUAL OR PHYSICAL BARRIERS to the creation by public banks, national banks or international banking institutions of a large supply of interest-free loans administered by private and public banks (charging no interest) on wide ownership, small business, small farm, real economy and environmental principles AS LONG AS the money is repaid and cancelled thereby leaving behind in existence the productive or environmental asset for which the loan was originally extended.

NB:-

- The present ability of the banking system to create money out of nothing is limited by a rise in banking reserves to 100%. This is the well-known Chicago Plan.
- The amount of interest-free issuance is limited by requirements for repayment, wide ownership and environmental benefit.
- Interest-free loans are rapidly repaid.
- Private banks would do the administration charging solely administration cost. Only periodic inspection of the banks would be necessary. Any bank abusing the privilege of being allowed to administer the interest-free supply would lose the privilege.
- The deposits of customers in banks would be the property of the customers (and **not** of the banks as at present).

(Pre-distribution) Basic Income PLUS Capital Ownership

If a person has a reliable job, that's good, as is a small business.

However, computers and incredible technology are destroying secure well-paid jobs and replacing them, if at all, with temporary, insecure, low-paid, 'gig economy' ones.

Unfortunately, mainstream thinking has no way of ensuring the equivalent of good jobs in the future.

Nevertheless, the new paradigm **does** have a way – (pre-distribution) **Basic Income PLUS Capital Ownership** (in large corporations) – which compensates for decrease in job opportunity by substituting capital income and ownership **which can be received by non-employees as well as employees**. Indeed, *Planetary* financing, **over time, spreads** capital income (i.e., **Basic Income**) as well as capital ownership to **every** person in society.

NB. Moreover, Basic Income solves a weakness of Islamic *Zakah* and *Khums* which are charitable obligations to help the poor rather than a structured solution to persistent poverty.

Charity is certainly moral but it is rarely sufficient.

The Competence

Over time, all people will come to own, or have access to, a basket of full-payout shares in the big corporations with payouts between five and eight times today's payouts.

And if – adds the national politician – 'between five and eight' seems too optimistic, please see Appendix Three – Full Payout of Earnings.



The payouts ensure that **daily** economic power (i.e., **Basic Income** – advocated by Joseph Stiglitz, Ray Dalio and Nathan Gardels) is in the hands of *everybody* thereby implementing a balance of supply and demand as required by Say's Theorem (Law) – i.e., **Supply = Demand**.

Mothers with children, therefore, will be able to bring up their children without financial pressure.

Even small children will have income, sufficient for basic need. At the age of five (if education is not free) the income increases to pay for school fees, with increases at eleven and sixteen. Thereafter, the income stays as part of the adult **Competence** (which is in addition to any income from a job) and defined as:-

A capital estate large enough to supply current consumer income sufficient for supporting a reasonable life style (taking account of other people as well as environmental and resource considerations. (Ashford & Shakespeare, 1999)

People should have jobs if possible, says the national politician, but ALL people should have a Competence.

NB. The Competence provides Basic Income PLUS Capital Ownership!

Research indicates that, aged sixty five, an adult would have a Basic Income (**at 2005 figures**) of **\$26,000/year AND a Capital Ownership of \$200,000** with both figures increasing after the age of sixty five. (Kurland *et al*, 2005)

NB. The above figures would be **very** much higher today.

Interest-free loans have a wide range of uses

Interest-free loans have a wide range of uses:-

Housing

Private

A house or apartment **continuously provides accommodation**. It is thus a remarkable productive asset and so is eligible for an interest-free loan if the loan is:-



- 80% of valuation (with criminal penalties for deliberate false valuations and declarations of income)
- properly related to income (e.g., three to four times income and not ten times or more as at present)
- not at the expense of home ownership for others

Public or social

Interest-free loans for public housing (advocated by USA Congressman Dennis Kucinich) can **halve or more** the cost. It is disgraceful that there is homelessness yet the materials for housing are widely available. (Shakespeare & Challen, 2002)

The town or city borrows the money and repayment is from fees, rents and taxes.

Water and sewage

Water and **sewage** projects can be built for half, or less, of the present cost.

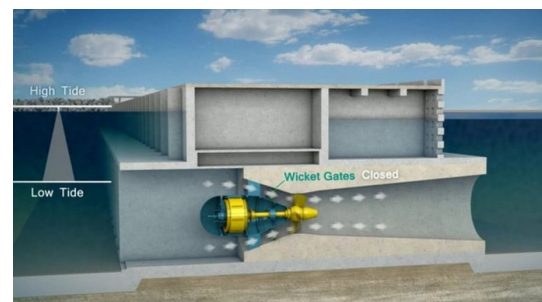
Transportation



Railways, bridges, airports, roads etc. can be built for half or less of the present cost. (Shakespeare, 2007)

Clean electricity and environment

Interest-free loans can be used for generating clean electricity e.g., **geothermal** (particularly hot dry rock) **power, hydroelectric schemes, windmills, underwater turbines, wave machines** and **tidal lagoons** thereby *halving* or more the cost. Tidal lagoons use old technology – concrete and slow-moving turbines – and are easily constructed. On the concrete there can be windmills and, on the outer, seaward-facing side, wave machines. On the surface of the lagoon there can be floating solar panels. However, because construction is lengthy, **compound interest stops them being built!**



Many countries are suitable for **solar generation** e.g., **solar panels, solar towers** and various **sun technologies** which capture sunlight **during the DAY**.

Moreover, there might soon be **thermo-photo-voltaic** cells which capture the Earth's infra-red radiation **at NIGHT!**

Gravity batteries and **pumped storage systems** are relatively easy to construct.

Greenery

Re-wetted peatlands as well as **mangrove-crested sea barrages** and **coastal wetlands** can sequester as much CO₂ as rain forests!

Multi-species re-forestation, re-introduction of extinct species (both animal and plant) and the **regeneration of barren lands** are essential.

Re-wilding is a key concept in environmental protection because, while it may or may not involve an element of human intervention, it essentially allows more space (together with freedom from pesticides and the like) for the regeneration of *flora* and *fauna*.



As things are at present, human beings put endless pressure on good, fertile land and it is time to give that land, and its natural inhabitants, urgently-needed relief.

'Green' desalination and fog nets

Present desalination (of salt water) is expensive and results in large amounts of destructive brine.

However, new **solar-powered desalination technology**, mimicking nature, requires no fuel, is self-cleaning without pumps or filters, and creates no brine.

Moreover, modern **fog nets** are cheap, efficient and, like **solar-powered condensation technologies**, require no fuel.

Simple hydration, beavers and prairie dogs

Immense beneficial change can be effected by relatively cheap, simple means e.g., **half-moon 'smiles'** – five metre wide scoops on barren land which collect rain water (thereby preventing rapid run-off). This allows the water to soak into the strata below and so hydrate a whole landscape.

Nor should we forget the regenerative work which can be done by the re-introduction of **beavers**. Short-sighted policy kills beavers: long-sighted policy understands their potential for eliminating droughts; diminishing floods; moderating wildfires; and rejuvenating the ecosystem.

Other species, too (e.g., **prairie dogs**) when reintroduced onto barren lands can have extraordinarily beneficial consequences.

Sacred Groves, Seasonal Ceremony and Hymn of Praise

Furthermore – the national politician is winding up – as part of policy to restore diversity and respect for nature, every piece of agricultural land and communities in general should have a **Sacred Grove** dedicated to demonstrating in some way a commitment to healthy ecosystems.

Communal **Seasonal Ceremony** with some song should reinforce the Grove's ecological significance. See Appendix Four containing a **Hymn of Praise – Our Sacred Grove**.

The Chair thanks the national politician for her very helpful exposition of practical applications of the new paradigm but points out that there are further aspects to be considered.

Interest-free micro-credit

Interest-free micro credit is one such aspect, says the Chair. In some countries, a woman may often have never travelled more than a few kilometres from her matrimonial home, be regularly attacked by her husband and fail to get her children educated.

However, interest-free micro-credit includes training and a chance to pay (a small sum) for education. Thus she can become a bread-winner and so, over time, the power imbalance with husband and men in general becomes corrected.

Unfortunately, the 'free market' has locked onto, for example, Bangladeshi women with commercial lenders charging 50-60% p.a. and rural lenders 100-250%.

However, the Grameen Bank charges about 34% because it borrows at 17% and the next 17% is for:-

- high cost of collecting small sums in rural areas
- training given to potential borrowers

By putting borrowers into small groups (with all individuals responsible for the others' loans), the Grameen Bank achieves a 98% repayment rate as do similar organisations. With interest-free loans (at an effective rate to the borrower of 17%), **overall repayment would be 100%.**



Start-ups, small businesses, small farms and duck ponds



Start-ups, small businesses, small farms and duck ponds are often crushed by interest. But interest is **not** necessary when money is put into productive capacity and its spreading.

As long as there is provision for collateral and administration cost, there is no reason for interest.



Medium size companies

Medium size companies may have interest-free money but, subsequently, must commit to full payout of earnings and the spreading of ownership.

Previous use of interest-free loans

There is nothing new about interest-free loans, adds the Chair.

Guernsey (which has minimal debt) has used the loans and so has **Malaysia**.

Over the prosperous period 1939 -1974, **Canada** used the loans and, today, many municipalities are demanding their use to upgrade infrastructure.

After 1935, **New Zealand** used the loans – for hydropower schemes, railways, state housing etc. – and had a prosperous period.

In the late 1940s **Taiwan** used the loans to spread ownership of farm land without harming the rich.

The key question

Therefore the key question is – *Why did the interest-free lending stop?*

The answer is that vested interests, making use of false assumptions about reality, were able to falsely claim that interest-bearing money is better than interest-free.

Counter-inflation

Because of rapid loan repayments combined with a spreading of the real economy resulting in a balanced economy, *Planetary* financing creates **counter-inflationary** circumstances in which **technological advance is forwarded** thereby unleashing cheaper and more efficient production.

Yes, **everyone gains** from implementation of the new paradigm because it ensures that the benefits of technological and natural productiveness become available to all.

Doe-flation

Indeed, the combination of efficient production, widespread distribution and lower price levels requires a new word and **doe-flation** (a 'doe' is a female deer) is as good as any.

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Doe-flation, while spreading earning power and technological productiveness to everybody, will cause a commendable lowering of prices but if it is desired to maintain an even level, there would be room for some debt-free monetary issuance e.g., for environmental projects.

The meeting thanks the national politician and the Chair before adjourning for a week.

Chapter Fifteen

A.I.D.S. and Reparations

Summary:

Members ask questions about heavily indebted countries and Reparations for past injustice. The Chair reminds the meeting that injustice continues to this day.

After having assimilated the practical implications of the new paradigm, the next meeting starts with questions from members.

A.I.D.S.

A man asks about A.I.D.S. – **Accumulated International Debt Syndrome** (Anjum, 2004) – and a woman complains that many countries are ill because they are:-

- **entrapped** into ever-increasing, debt
- **controlled** by outsiders
- **subject** to having their resources expropriated (Anjum, 2004)

Forced to beg for relief from the International Monetary Fund they become owned lock, stock and barrel by the banking elite.

The Chair responds saying that this shocking situation is addressed by *Planetary* finance which decolonises countries and enables their independence by ensuring that they control and issue their own interest-free money supply rather than always borrowing foreign money at extortionate rates of compound interest.

Compound interest – \$5 billion becomes \$44 billion

At which point the accountant stands up saying that the effects of compound interest are such that whole countries are trapped into an ever-increasing debt which they can never repay and so their assets are sold off to predators. Put simply, the countries are colonised i.e., they are milch cows owned and exploited by outsiders.

For example, in the year 2000 Nigeria's debt to international creditors had increased from \$5 billion to \$28 billion even though \$16 billion (i.e., over three times the original loan) had already been repaid. In this way, \$5 billion had become an amazing **\$44 billion** in total and *even more in the future*.



President Obasanjo said:-

'That \$28 billion came about because of the injustice in the foreign creditors' interest rates. If you ask me what is the worst thing in the world, I will say it is compound interest.'
{Obasanjo. 2000}

The Great Untruth

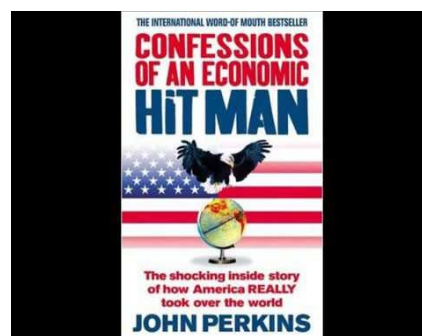
Indeed, the worst-thing-in-the-world situation is certainly the case when interest-bearing money is lent to poor countries. By a process of bamboozlement and deceit the poor countries of the world are told the Great Untruth, that:-

- there is no alternative to the present system
- they are borrowing existing money (when they are not – the money is created out of nothing)
- they can *only* borrow from abroad (when they can use their own money supply) and
- the borrowing must be at compound interest (which enables the lenders to take over the nation's wealth).

Unfortunately, even highly intelligent people can be gullible and led to believe that there is no alternative to the present system.

Corruption of lenders

Furthermore, continues the accountant, gullibility is only part of the problem – the other part is the corruption of the lenders. In *Confessions of an Economic Hit Man*, (2004), John Perkins rips aside the veils of hypocrisy and deceit as he reveals the way Indonesia, for example, was given exaggerated technical forecasts, over-priced contracts, work contracted out abroad rather than locally, and enervating interest rates on foreign-created money.



This is predatory lending at its worst and yet it goes ahead even though the lenders *know* that, in the circumstances, it is immoral to lend. But the lending always happens because the lenders have the mouth-watering prospect of profit (in the form of interest) *continuing forever*.

Debt relief is a fraud

Moreover, the elites and creditor countries today do not give some form of debt relief with the object of eliminating interest-bearing loans. Rather they give the relief (often on tortuous conditions so that, in practice, the relief is minimal) to ensure that heavily indebted countries, although on their knees, *are still able to continue paying the compound interest on debt*. The relief is to ensure that the indebted countries do not suffer complete economic collapse and so not be able to pay anything at all.

Therefore present international debt relief is cynical behaviour of the worst sort particularly when, as a condition for debt relief, the indebted countries are forced to sell off their capital assets to foreigners.

Call for Reparations – past AND present injustices

A woman then makes a Call for Reparations saying that the West owed Reparations for inflicting injustice.

However, the Chair respectfully disagrees saying that **ALL** countries, at one time or another, had behaved badly to other countries and, if not that, had behaved badly towards their own citizens.

Thus – the Chair is very clear – there is a general need to remedy colonial, war, slavery and other injustices perpetrated on populations **in the past** –

“What about **the present**?” A man interrupts.

“Yes,” responds the Chair. “There is even more a need to remedy injustice **in the present.**”

Discussion then elicits the view that today’s injustice could be broadly summarised as affecting:-

- unpaid women
- all people denied access to capital ownership and income

Whereon it is **AGREED** to Call for Reparations to remedy injustices past and present and so, over time, *Planetary* capital ownership and Basic Income should become available to all.

Chapter Sixteen

Economic Democracy

Summary:

Today's democracy is not true democracy. The vote is a very weak power exercised only infrequently. Moreover, the American Constitution prevents the spreading of true democracy which is daily economic power. The meeting is shocked.

Mondragon Co-operatives and Binary Economics are considered together with the potential of the (original) ESOP mechanism

It's time to deal with democracy, says the Chair a week later. Or rather Economic Democracy which is the spreading of economic power as counter-weight to increasing concentration of economic power by the elite and increasing concentration of political power by governments.

He then informs the meeting that a student contacted him two days previously and he feels sure that she is very qualified to speak.

Western 'democracy' is **NOT** true democracy

The student starts by saying that Western 'democracy' is **not** true democracy because it only allows a very weak power – the vote – which:-

- is exercised infrequently
- rarely changes anything substantially
- may result in deterioration of your situation
- *a/ways* maintains narrow ownership of productive capital instruments

Narrow ownership is deeply embedded in American society

Narrow ownership, moreover – the student is developing her theme – does not happen by accident: it is, for example, deeply embedded in American society.

The meeting is surprised.

“And the American Constitution,” adds the student.

The meeting is shocked

The meeting is shocked. How so? “We have a perfect Constitution!” shouts a man.

The student shakes her head and explains that, at first, the 1776 American Revolutionaries had proposed *Life, Liberty and **Property***. At the time, 'property' in particular meant ownership of agricultural land and housing.

In proposing Property the Revolutionaries were following John Locke who in his 1689 *Two Treatises of Government* had proposed *Freedom, Life, Liberty, Property and the Pursuit of Happiness*. (Locke, 1689)

However, when the Revolutionaries got to Philadelphia, they changed the words of the Constitution **so as to exclude Property**.

The words therefore became *Life, Liberty and the Pursuit of Happiness*.

Thus a word with real practical meaning (i.e., 'Property') had been replaced by a vacuous abstract noun ('Happiness').

And shocked again

The meeting is shocked again....

Unfortunately, continues the student, this was deliberately done so as to ensure that, in future, the bulk of the population would be excluded from the ownership of property (and, nowadays, 'property' includes capital instruments such as technology, machinery, factories, patents etc.)

The result today is that substantial property ownership (with the associated income) is denied to the majority of the American population.

In short, the propaganda claiming there is true democracy in the USA today is hogwash.

The meeting remains in shocked silence until somebody suggests it is time for a cup of tea.

True democracy is Economic Democracy

After the tea break, the student states that true democracy is *Economic Democracy* i.e., **a power to control everyday life by having independent, sufficient and secure daily income**. 'Independent' means 'as independent as possible' i.e., something which does not arise completely at the behest of others.

And *that* (emphasises the student) can only mean one thing – widespread property ownership with associated Basic Incomes sufficient for everyday requirements. (Kelso & Kelso)

Anything less is a deception because, without the ownership, somebody other than the individual is in control.

Democratic detail

The student goes on to talk about some other democratic matters:-

Mondragon co-operatives and the ESOPs of Binary Economics

A. Mondragon co-operatives



The Basque region of Mondragon in Spain is famous for its:-

- relative prosperity
- absence of rich-poor extremes

There is also good social cohesion and local pride.

These things result from the **Mondragon co-operatives** which were founded by Father Arizmendiarieta in 1956 and employ 82,000 people. The first product was paraffin heaters but, nowadays, industrial output is anything from bicycles to huge machines used in the manufacture of jet engines and wind turbines. Modern technology is sold in one hundred and fifty countries and production is not confined to Spain.

Mondragon has over five hundred patents and its organisations include schools, a large grocery chain, a catering company, a University and Research and Development centres.

Quiet quitters – and sabotage

The success of the co-operatives arises because they are both equitable and democratic while also being economically efficient. When people:-

- feel disrespected and undervalued
- know that their employers only think of them as animals to be exploited
- find that their best efforts are deemed as never enough
- experience contempt by others for ideas that are put forward

then, deep down in their souls, they resolve on doing only the minimum and never the maximum i.e., they become *quiet quitters*. They may even resort, in one form or another, to sabotage.

Co-operative culture

However, Mondragon understands psychology and sets out to:-

- respect human dignity
 - accommodate positive desires
 - encourage invention
- and, in every possible way, get the best out of people.

Top to bottom ratios In practice

There are two big reasons for the success of Mondragon:-

a) There are **fixed ratios** between top management incomes and those of, say, factory workers. The ratios range from 3:1 to 9:1 in different cooperatives and average 6:1.

These ratios are truly extraordinary not least because they contrast with today's Chief Executive Officers in the UK, for example, whose emoluments average 145:1. More than anything else, the difference in the ratios reveals the first big reason for Mondragon's success.

b) Most (but not all) Mondragon members have a **direct ownership stake** in the co-operative – they are worker-owners – and so have an interest in its financial success. Moreover, most workers are not on the minimum wage.

Understandably, there is a campaign to canonize Father Arizmendiarieta.

Success is in the detail

As world history has demonstrated, a wide range of co-operative models is possible although some of the past models (e.g., promoting 'worker control' without any concern for economic efficiency) were certain to fail.

Mondragon is a key exception, however, and the organisational *detail* of the Mondragon co-ops (combining worker involvement with determination to be efficient) is the true reason for their success.

Progress is hampered

NB. However, progress at Mondragon is hampered by not having access to a large interest-free money supply. If the real economy and its spreading are being furthered, there is *never* any reason to deny the use of interest-free money.



B. Binary Economics

Binary Economics is a precursor of *Planetary Oneness Economics*. It began in 1958 with the publication of *The Capitalist Manifesto* – Louis Kelso & Mortimer Adler.



The book created a sensation. Nevertheless, its title was unfortunate although necessary at the time. This was because of America's psychotic McCarthyism which was intolerant of even the smallest criticism of capitalism. In effect, the book smuggled in new, highly original thinking in the guise of a conventional text.

Indeed, the book's thinking was not just new but could only be truly understood as being ***outside all left-wing and right-wing economics and politics.***

Pravda – 'Ramblings along a dead end....'

This is demonstrated by the attacks which were made.



Thus, on the left, Soviet *Pravda* saw the book as ‘ramblings based on thinking along a dead end of history’ – which was an egregious misstatement because Communism was soon to collapse and Binary Economics is today increasingly seen as the most modern economics of all.



Milton Friedman – ‘Marxism stood on its head’

Meanwhile, on the right, Milton Friedman was nonplussed and could only conclude that *The Capitalist Manifesto* must be ‘Marxism stood on its head’.

Very obviously, extreme left saw the *Manifesto* as extreme right; and extreme right saw it as extreme left!

Left and right hate widespread capital ownership

The puzzlement and confusion of *Pravda* and Friedman show that Binary Economics cannot be understood within conventional thinking.

In particular, neither left nor right can tolerate the idea of *everybody* (rather than only a few) having substantial capital ownership. They **hate** the idea of the bulk of the population having independent incomes.

Other books

The Capitalist Manifesto was followed by *The New Capitalists* (1961) and then *Democracy and Economic Power* – Louis Kelso & Patricia Hetter Kelso (1990).

The standard textbook for Binary Economics is *Binary Economics – the new paradigm*, Robert Ashford & Rodney Shakespeare (1999).

John Rawls *A Theory of Justice* (1971) and the Citizens’ Trust of James Meade are also in the tradition of Binary Economics.

Ways of extending pre-distribution are being developed by the Designer Economy of the Berggruen Institute. Australia's superannuation system and Singapore's sovereign wealth fund also indicate ways of going forward.

The ESOP

Binary Economics is famous for creating the Employee Share Ownership Plan or **ESOP**.

However, **NB**, the ESOP has **NOT** been implemented as Binary Economics originally intended. because, at present, it is only for employees (rather than non-employees as well). Indeed, the true Binary ESOP has been suppressed.

Mainstream economics suppressed the original ESOP

The suppression is because mainstream economics (representing only the interests of the narrow, selfish elite), is determined to ensure that the ESOP **cannot**:-

- be paid for out of pre-tax earnings
- receive the full payout of earnings
- have the use of interest-free money

In short, the ESOP has been wrenched from its original purpose to become what it is today – of considerable benefit to both large corporations and employees but *NOT* something capable of spreading ownership throughout society.

Thus today's ESOPs are *NOT* true Binary ESOPs.

As a result, present ESOPs, whilst having virtue, *are nowhere near capable of fulfilling the true Binary purpose* of being a mechanism potentially capable of enabling *anybody* in society (woman, man, child) to become the holder of a substantial capital estate. In short, today's ESOPs are well-intentioned, but weak.

Implementation of Say's Theorem (Law)

Extending ownership is a crucial matter because, nowadays, industries are getting ever more capital-intensive thereby concentrating productive capacity into the hands of an increasingly narrow group of shareholders.

Therefore there is a need to extend capital ownership throughout the population *with producers and consumers being the same people and so supply and demand balancing each other* — as is required by Say's Theorem (Law).

NB. The usual phrase is 'Say's Law'. But a scientific Law is something which results from the observation of reality. Today, however, supply and demand do **NOT** balance each other. Thus Say's Theorem is really a statement of the situation when producers and consumers truly are the same people.

Therefore, implementing the original ESOP, using **interest-free** money, would enable, over time, full-payout share ownership to become available to everybody. The result would be that *every individual in society would get at least part of their income (in the form of Basic Income) from what increasingly creates the wealth i.e., the productiveness of capital instruments.*

Thus, by spreading ownership with the associated *Basic Income*, the *Planetary* economy is the democratic alternative to the elitist *Great Reset* economy which concentrates ownership into the hands of the few.

Other Binary Plans

The Binary ESOP is only one of several techniques or Plans — e.g., **Individual Share Ownership Plan, Consumer Share Ownership Plan, General Share Ownership Plan, Mutual Share Ownership Plan** — all of which can be used to broaden capital ownership because, at their heart, there is the use of central bank-issued interest-free loans for the creation and spreading of productive capital ownership.

Without those loans the defect in the present ESOP legislation will remain in that it **requires poor and working people to acquire capital primarily with the present earnings of labour rather than primarily with the future earnings of capital.**

There is also a **Binary Plan** exist for **Palestine** by which, over time, **ALL** citizens would acquire capital ownership and therefore a stake in the stability and success of the economy – see www.binaryeconomics.net

If *everybody* in a society has a direct interest in maintaining the stability, development and success of the economy including its capital assets (AND *everybody's* income depends on the success of the economy), then it is reasonable to presume that people will co-operate.

Renovating democracy – Planetary Democracy

Therefore, explains the student, it is erroneous to think of democracy as only the vote because, by so doing, *economic* aspects are being hidden, indeed, suppressed.

In contrast, what matters is whether democracy has a strong **economic** element i.e., a **DAILY power for people to control their own situations** which means that they have an independent income sufficient for reasonable living.

Thus in 2015 (*Renovating Democracy: Governing In The Age of Globalization and Digital Capitalism*), Nicolas Berggruen and Nathan Gardels advocated universal basic capital and income.

Then, in July 2025, the USA government passed *The Money Account for Growth and Advancement* Act setting up capital accounts for young people.

The student ends by saying that the absence of the economic element in democracy today is why a considerable percentage of the population does not vote.

Chapter Seventeen

The future

Summary:

Jobs for most people will disappear while the narrow elite will not only accrue more wealth to itself but will also ensure that most people are confined to a tiny income.

Moreover, people will be controlled in every possible way as well as being subjected to involuntary population reduction measures.

In contrast, the new paradigm:-

- extends capital ownership and income to everybody
- enables a voluntary stabilisation or reduction in population levels
- stimulates a change from a selfish, self-centred, irresponsible *Homo economicus* to a responsible, outward-looking *Homo co-operans*.

Ever-onwards goes the march of technology with more and more people becoming aware that **their** job (or their chances of a job) could soon be disappearing.

So what will be the future? It will be:-

EITHER

A. The Great Reset

The *Great Reset* elitists **say** – accurately contradicting present government propaganda which claims there will always be good jobs for everyone – that **most traditional jobs will disappear**.

They further say that the bulk of humanity will be on the scrap heap having become ‘useless’. In debt; in bad health; hooked on drugs, social media, video games and the Metaverse, most people will be useless because of having no productive function.

Some people will be highly productive

Nevertheless, **some** people will be highly productive and readers are invited to guess who they might be....

Well done, dear reader!

The *Great Reset* elite, of course!

They will be highly productive because of their ownership and control of what produces the wealth – the capital instruments. It’s as simple as that.

Unfortunately, they will also be highly contemptuous of those who are not productive.

Tiny basic income

Assuming 'useless' humans are allowed to live (and that is a big assumption), the elite *apparently* proposes that there will be a basic income for most people. BUT this will be tiny and only be allowed on very particular terms dictated by the 'social controllers' who will decide *exactly* how the income is spent.

Moreover, the word is '*apparently*' because it is likely that the elite, rather than tolerating the existence of 'useless people' (and, in any case, having no policies for the voluntary reduction of population levels), **will instead have policies for the involuntary reduction**.

Thus the elitists intend a heavily manipulated, implant-controlled (or controlled directly by 5G electromagnetic waves), numerically-reduced, politically impotent *delta* class completely dominated by a tiny stratum of *alphas* and *betas* i.e., a version of the ghoulish *Brave New World*.

In sum:-

- no private property for most people
- elimination of small businesses and farms
- a tiny basic income for most people
- exorbitant riches for the few
- constant control and surveillance
- an authoritarian technocracy
- reduction of population – probably by *IN*voluntary methods



OR

Planetary Oneness Paradigm to the rescue!

**Justice which creates Efficiency and Freedom
Efficiency and Freedom which create Justice!**

If the power-mad elitists are to be defeated, ordinary people must have independent economic bases. Without such bases, they will be controlled by others and unable to resist moves towards totalitarianism and fascism.

ALL people to become productive

What is Sauce for the Goose is Sauce for the Gander!

In practice (and in law), the ownership of capital instruments means that **the owner is being productive** (even when the instruments are natural things or automated processes).

Thus rich people never doubt that **they themselves** are fully and splendidly productive.

“**WE** are the wealth-creators!” they boast. “**WE** provide wealth and opportunity for others!”

Moreover, any suggestion to the contrary elicits an indignant denial. “How **dare** you! You must be a filthy communist!”

Thus, whether or not they are passive owners or play a direct part in an enterprise, the attitude of rich people is always the same – **they** are the wealth creators.

Moreover, **they** are **the superior** wealth creators (because, as capital owners, they believe themselves **superior** to those who only have labour to offer).

In contrast, *Planetary Economics* not only upholds the value of both capital and labour but ensures that **ALL** people become productive and so provide wealth and opportunity for others!

Indeed, **ALL** people become directly connected to the real economy and so will be productive **in exactly the same way** as rich people are productive today.

Thus:-

What is Sauce for the Goose is Sauce for the Gander!

Fulfilling and creative lives of the *Planetary* society

Therefore, far from being ‘useless’, **ALL** people will be able to have fulfilling and creative lives. From the earliest age, they will be developing their intellectual, practical and physical skills as well as their artistic instincts doing music, painting, dancing, theatre, handicrafts and engaging in sports.

People will study over their lifetimes.

Moreover, they will be investigating the ecosystem and be likely to want to play some part in activity ranging from nurturing varied *flora* and *fauna* to regenerating barren lands. After all, planetary health is a pre-condition for durable human health.

Indeed, the health of a specific human community is inseparable from the health of its relationship with animals (including pets); watershed; airshed; surrounding ecosystems and, ultimately, the planetary system as a whole.



Countering helplessness – participation is everything

A health perspective, furthermore, can counter individual feelings of helplessness by empowering collective action, for example, in developing regenerative agriculture, restoring key ecosystems and building resilient local communities that transcend individual limitations.

Participation is everything (as is a *Planetary* orientation) because it can unlock sources of meaningfulness in an age teetering on despair. Indeed, meaning will be found not in the illusions of the past but by participating in the work of shaping a viable future. When we address the planetary predicament with courage and creativity (rather than succumbing to apathy or nihilism) we give meaning to our lives.

The purpose of life on our planet

In truth, many and splendid are the ways in which we humans can fulfil the purpose of our lives on this planet which is **to serve the human race, fauna and flora in every way possible**.

Only when this is understood can our lives achieve cohesion and true purpose.

Unification of Science and Religion

And, to cap it all, understanding of planetary interconnection and universal consciousness could be pointing to an eventual unification of Science and Religion.

Thus Masudul Alam Choudhury explains that the starting point of Islam is *tawhid* – the Law of Divine Unity – and its implications uphold the unity of knowledge in the analytical and observed world-system. *Tawhid* goes wider than knowledge, however, to embrace all aspects of life - social and economic systems, morality, finance, environment etc. - so that there is an overall sense of relatedness and comprehensiveness. (Choudhury)

Positive forces in Islam

Moreover, within both *Sunni* and *Shia* Islam, there are many individuals (a number of whom are known to this author) who understand the new paradigm and are working to ensure its wide introduction.

Change in human psychology – *Homo economicus* becomes *Homo co-operans*

Crucially, in the *Planetary* society, *Homo economicus* will evolve into *Homo co-operans* because the new *Paradigm* notices that greed is caused by:-

- **actual** material insecurity (of food, accommodation, etc.)
- **fear of** potential material insecurity
- **aspiration to** the situation of those who undoubtedly do have security and, over time, those causes will be eliminated.

Moreover, at present, high material security and high consumption are associated with high social status while low material security and low consumption are associated with low social status. But when everybody has material security, the concept of what is, or is not, high or low social status, will change.

In fact, whereas greed is worshipped today, in the *Planetary* future greed could suddenly become **un**fashionable and so sensible living (i.e., living without excess) could become the fashionable norm for those wishing to lead valid, responsible lives.

Yes, **when people are materially secure, endless greed will NOT be the impetus behind their behaviour and they will develop the environmentally-conscious mindset** of *Homo co-operans* and so give hope that the future world will be living within the resources available.

Gentle change-over.... – like a spring day

On Planetary Oneness Paradigm

The *Planetary Oneness Paradigm* founds an intellectual and psychological revolution which is **politically neutral** i.e., it favours **everybody**. Indeed, it serves the whole human race, *fauna* and *flora*.

Moreover, there is nothing violent in the revolution.

In fact, told that the revolution is under way, people might ask, “What revolution?” because the change-over to a *Planetary* society is gentle and the effects, whilst immensely powerful, are quietly beneficent – like a spring day....

Appendix One

Fifty nine false assumptions

Nobody likes being told that their assumptions are wrong or their career is based upon false assumptions. Yet facing up to reality can be a joyous experience which happens when it is realised that those niggling doubts about an academic subject are not mere irritations but, instead, indications that something is seriously wrong.

There then comes the elation of inhaling the fresh air which results from knowing that, when paradigms shift, almost limitless possibilities can arise and they include the chance of living more exciting, fruitful and constructive lives.

“Don’t understand economics”

Furthermore, people often say that they “don’t understand economics”. This is **NOT** because they are stupid. It is because mainstream economics is full of contradictions and inaccuracies making understanding impossible. However, with the new accurate paradigm, people suddenly realize that they **do** understand and they experience the joy of **knowing** that they do understand....!

Below are fifty nine assumptions about reality which underlie mainstream economics and the associated politics. The assumptions are interconnected and often accepted as true (or as inevitable, or sensible) but, **in fact, are** false.

Nevertheless, the *Planetary Oneness Paradigm* becomes easily understood if the fifty nine false assumptions are, one by one and simply, **reversed** (or near-reversed) as briefly explained in *the italicised text*. Indeed, after only two or three reversals, it soon becomes clear that a new panorama with amazing possibilities is emerging.

Understanding economics – the Good News!

Many people say that they “don’t understand economics”. This is **NOT** because they are stupid but because mainstream economics is full of contradictions and falsities which make understanding impossible. However, the Good News is that, when the reversals are made, people have the joy of suddenly realizing that they **do** understand....



The fifty nine false assumptions of mainstream economics are that:-

1. In a task, human labour creates all, or most, of the output while the capital instruments create little or none. (*This is a pernicious false assumption. Labour **sometimes** creates all the output; **sometimes** creates a percentage, large or small; and **sometimes** creates nothing with everything done by the capital instruments.*)
2. Banks lend existing money. (*No. The money is created out of nothing by pressing computer buttons.*)

On Planetary Oneness Paradigm

3. Interest is inevitable and necessary. *(No. Administration cost, principal repayments, collateral and a business plan are necessary, but interest is not.)*
4. Scarcity is inevitable. *(No. Not when there is Homo co-operans, modern technology, responsible attitudes and stable or reducing population levels.)*
5. High taxation is necessary. *(No. High taxation results from the need to redistribute money to those without earning power and also to repay interest-bearing national debt. The new economics creates widespread earning power and greatly diminishes the effects of interest.)*
6. The 'free market' of oligarchic finance capitalism is free. *(It is **un**-free. Most people are blocked from entering the markets for productive capital.)*
7. The 'free market' consists of states of equilibrium (balance) i.e., when there is disequilibrium there will always be a return to equilibrium. *(Nonsense! Crashes occur and, afterwards, there is a long build-up to the next crash.)*
8. The 'free market' allocates resources efficiently. *(It allocates **inefficiently**. Rich-poor division and poverty are endemic.)*
9. The outcomes of the 'free market' are always just. *(They are **un**just. Half the world has to live on only \$5.50 per day and 10% have under \$1.90.)*
10. *Homo economicus* is an accurate description of human psychology. *(It is outdated and can, and must, evolve. Homo co-operans will be better.)*
11. Mainstream economics is an all-encompassing study of objective process and universal value and further improvement in economics is impossible. *(False! Further improvement **is** possible. Indeed, it is time to replace mainstream economics (and the associated politics) before it destroys our planet.)*
12. It is a matter of small importance that the banking system creates money out of nothing sufficient for the repayment of a loan's principal but not for the interest. *(It is of huge importance because it causes an endless need for more money creation as interest-bearing debt.)*
13. *There Is No Such Thing As a Free Lunch* (i.e., any improvement for the poor inevitably involves a detriment to the rich). *(False! – The new Economics is not a zero sum game. Technological advance massively increases potential output and enables improvement in the position of the poor.)*
14. The 'free market' upholds private property for all. *(Wrong. The 'free market' always **narrows** ownership of the capital instruments.)*
15. It does not matter who owns the capital, particularly productive capital. *(It matters hugely because productive capital creates the wealth.)*
16. The 'free market' implements JB Say's Market Theorem that producers and consumers should be the same people. *(It does not implement the Theorem.)*
17. Somebody who voluntarily looks after a sick person 24/7 does no work in the economic sense. *(This is outrageously untrue! Carers provide a crucial service.)*
18. Ethics and morality are not part of economics. *(This is madness!)*
19. The poor are poor because of lack of effort and lack of skill. *(False. Apart from lack of jobs, they are poor because of lack of access to productive capital, lack of access to cheap capital credit and suffering from compound interest.)*

20. Inflation is not caused by the banking system. (*Inflation is largely a monetary phenomenon.*)
21. Financial savings are necessary before there can be investment. (*Nonsense! Nowadays, money is created out of nothing!*)
22. Physical savings are necessary before there can be investment. (*This is generally untrue because materials, or substitutes, are available. Prices for things can rise but that only increases cost.*)
23. Labour income and/or welfare payments always suffice. (*They do **not** suffice. Wide capital ownership – and its associated income – is necessary.*)
24. Wide ownership is not necessary. (*It is necessary to spread productive capacity and associated purchasing capacity.*)
25. It is not necessary for every person to have an independent income. (*Untrue! Without independent incomes people are controlled by others.*)
26. The level of interest rates is all that is necessary to manage an economy. (*What matters is who or what creates the output and gets the ensuing benefit.*)
27. Student loans must bear interest. (*Why? The loans can originate from the national bank. The taxation system then collects repayment and so acts as collateral. The loans can, and should, be interest-free.*)
28. Public capital projects should be funded by interest-bearing money. (*Interest-free loans (from the national bank) halve, even quarter, the cost.*)
29. Micro-credit borrowing should bear interest. (*Why? Collateral, administration cost and repayment are required, but why interest?*)
30. Environmental capital projects should bear interest. (*No!*)
31. An economy requires **two** lots of interest-bearing financing – one for production and one for consumption. (*Not true. Only one lot of **interest-free** financing is necessary if it is simulfinancing as in Planetary Oneness Economics.*)
32. There Is No Such Thing As Society. (*Why don't these people grow up?*)
33. Personal, corporate and national interest-bearing debt is healthy for an economy. (*Nonsense! Because of their need to repay interest, indebted people, corporations and nations have **less** purchasing power than those without debt.*)
34. There is no power imbalance between actors (participants, including individuals) in an economy. (*Whoever first thought of this has never lived an ordinary life e.g., the rich have collateral and can easily borrow cheaply whilst the poor do not have collateral and so must borrow at extortionate rates of interest. The reasons for power imbalance include:- lack of good education; lack of effective social networks; and unstable backgrounds.*)
35. Social and economic justice on the one hand and economic efficiency on the other are incompatible. (*Wrong! In the new economics the justice and economic efficiency create each other and are compatible.*)
36. Economic history is irrelevant. (*This arrogantly assumes, for example, that past crashes will never happen again....Madness!*)

37. Economic theory (coming from Adam Smith, 1776) suffices to guide modern mainstream economic theory and practice. *(Mainstream economic theory is outdated. Smith's theory was conceived **before** the Industrial Revolution substantially began.)*
38. The important things in economics are anything **except** the development and spreading of productive capacity so as to ensure that producers and consumers are the same people thereby enabling a Say's Theorem balance of supply and demand and also enabling the forwarding of social and economic justice. *(This is a huge untruth. For efficiency and justice the balance is essential.)*
39. Commercial banks should be able to offer interest-bearing mortgages (as distinct from administering interest-free national bank mortgages). *(The subject of housing finance needs to be reviewed.)*
40. Economic inequality is desirable – the greater the ratio between top and bottom, the better. *(Untrue! The rich do not (and cannot) spend all their money.)*
41. 'Trickle down' economics works. *(NO! The rich are incapable of spending their money (even if they wanted to, which they do not) so they accumulate it as stagnant, not circulating, wealth..)*
42. Rising house and stock market prices indicate genuinely increased wealth. *(No – these rising prices usually only reflect newly-created money being put into anything **except** the spreading of the real, productive economy.)*
43. Large economic cycles and crashes have been ended. *(They have not been ended. They are inevitable with mainstream economics but not in the new economics.)*
44. Individual greed is good and institutionalised greed is even better. *(This is an expression of Homo economicus. Homo co-operans is needed!)*
45. Countries should raise interest-bearing money on the international markets. *(No. International interest-bearing debt cripples them forever and opens them to the expropriation of their assets.)*
46. Countries should not be independent – they should be controlled by others. *(No! Colonisation must be ended,)*
47. A country's assets should be owned by outsiders. *(This stops a nation's people owning their own assets and getting the benefits thereof.)*
48. A country's new money supply should originate in the commercial banking system rather than the national bank. *(When it originates in the commercial banking system it is improperly applied and interest is added. The new money supply must originate from the national bank but can be administered by the private banking system charging a fair administration cost but no interest.)*
49. Employee shareholdings do not improve efficiency. *(Wrong! They do.)*
50. Political democracy does not require Economic Democracy. *(‘Democracy’ amounts to nothing unless the economic aspect is also considered.)*
51. There is a Time Value to borrowed money. *(NO! Since the money is usually created out of nothing, it has no time value.)*
52. Environmental matters are extraneous and impose unnecessary cost. *(Good heavens! These madmen (they are usually men) are destroying the planet!)*

53. Economics is a separate academic subject which needs not take account of other subjects. (*Wrong! All subjects, to the greatest possible extent, must take account of all other subjects.*)
54. Burgeoning population growth is inevitable. (*It is not inevitable. When there is genuine economic security, education and health, population levels begin to moderate then decline. Moreover, because of technological advance, smaller populations do NOT necessarily have a diminished ability to create wealth.*)
55. An understanding of technology is irrelevant to economics. (*It is highly relevant.*)
56. Jobs can be exported. (*When exported, the spending power of the jobs is removed from the domestic economy.*)
57. Domestic manufacturing does not matter. (*It matters very much because it ensures local wealth creation and control. Local banking is also necessary.*)
58. Education and training suffice for economic needs. (*They do not and cannot suffice by themselves. Also necessary are wide capital ownership, access to interest-free capital credit, and freedom from usury.*)
59. All the derivatives balance out to net zero. (*But that forgets the fees taken out when a derivative contract is negotiated. Moreover, the financial failure of one organisation can lead to a domino collapse. Warren Buffett says that derivatives are "financial weapons of mass destruction".*)
60. (For good measure, here is an extra false assumption.) Every night, the global elite dream of serving the interests of everybody else and the world. (*Er... – No comment.*)

Appendix Two

Areas for development

The *Planetary Paradigm* in the practical world has areas needing development and everybody is invited to contribute their research.

For example:-

- relation to religions
- position of women
- micro credit
- education
- health
- environment and sun technology
- Economic Democracy
- Mondragon, Wider Share Ownership, New Municipalism
- capital projects – water and sewage in particular
- how power structures pervert accurate thought
- new methodology
- psychology and paradigm
- Say's Theorem
- voluntary stabilisation/reduction of population levels
- evolution of *Homo economicus* to become *Homo co-operans*
- reconsiderations in history
- implications for the arts
- detailed mechanisms for spreading capital ownership
- communal projects
- complementary currencies
- mainstream attempts to justify interest
- housing
- other false assumptions (the target is to find one hundred although there may be more!)

Appendix Three

Full payout of earnings

Readers may be surprised to learn that, in the *Planetary* economy, full payouts from the corporations are conservatively estimated to be *five to eight times* existing payouts.

Full payouts

Louis Kelso & Patricia Hetter Kelso put the present yield of capital as 5 - 7%. The average is 6%. (Kelso & Kelso, 1990)

They then note that corporations retain between half and three quarters of their net after-tax earnings.

However, in the *Planetary* economy, with exception of reserves for research and depreciation, all earnings would have to be paid out.

Removal of taxes

Then, taking the typical American corporation, the Kelsos propose the removal of:-

- federal income tax
- state corporate tax
- employer's share of Social Security
- municipal corporate income taxes

At a very conservative estimate this would **double** the yield.

NB. The Kelsos note that half of the federal and state income taxes and all the employers' share of Social Security are levied for welfare benefits (which would be generally unnecessary in the *Planetary* economy).

Full payouts plus removal of taxes

The Kelsos say that full payouts plus removal of taxes would increase the earnings of capital by a factor of **4 to 6 times** (average 5).

Substantial non-quantifiable factors

Although some things may not be precisely quantifiable, it would be intellectually dishonest to omit them from the calculation. As can be seen below, they have a huge potential for massively increasing payouts.

These substantial non-quantifiable factors include:-

i) Overall inefficiency

Finance capitalism does **NOT** ensure that producers and consumers are the same people i.e., those who do the production are, at the same time, the consumers. This breaches the basic free market principle for the efficient creation of wealth.

The breach happens particularly because of the myth of the continually rising productivity of labour rather than the continually rising productiveness of capital

instruments and the technology embodied within. This causes emphasis on jobs rather than the implementation of technology which greatly enhances productive efficiency.

ii) Work practices and rules preventing the efficient use of new technology

There are many possible examples but an obvious one is a **40** hour factory working week which could change to a **168** hours factory working week. Modern technology does not require sleep and rest.

Worker-owners with a stake in the productive efficiency of a factory (particularly if they are paid more AND have consistent, rather than arbitrary, shifts so that bio-rhythms are not continually disrupted) are likely to support the 168 hours.

iii) Employee time-theft

Those who do not own often have little incentive to use their work time in a full and efficient way.

iv) Pilfering, even sabotage

When feeling unfairly treated (or just feeling capital-less), those who do not own may be tempted to pilfer or even cause sabotage.

The Kelsos say that i) to iv) above would increase earnings several times over.

The overall conclusion of the Kelsos is that the *Planetary* yield of capital would be about **ten times** the present yield.

Thus **five to eight** times is being conservative.

Appendix Four

Hymn of Praise – *Our Sacred Grove*

*/ This Grove's a place where we come to repair
Our / selves and our world when they're wrong
By / chorusing loud in a beautiful song
/ This Grove's a place for repair*

*We / tend it yet leave it alone by itself
We / honour its quirks and its whims
We / give it a name – Yes! – it's Our Sacred Grove
We / tend it yet leave it alone*

*/ When we are faced by deep suffering or pain
/ And when they happen again
/ Then we can come to a quiet Sacred Grove
/ When we are faced by deep pain*

(In season) **Spring**

*/ Life starts anew on the first day of Spring
The / sap rises fresh from the ground
/ Movement's afoot throughout Our Sacred Grove
/ Life starts anew in the Spring*

(In season) **Summer**

*/ Summer is when a great harvest is done
It / sets up the stores for a year
/ And best of all is Our Beautiful Grove
/ Summer is when much is done*

(In season) **Autumn**

*/ When Autumn comes and the leaves start to fall
It's / time to reflect on a time
Of / mellowing forms and migration of birds
/ When Autumn comes in the Fall*

(In season) **Winter**

*/ When days are short and the nights are so long
/ That is the time to have dreams
Of / quickening Life in the quiet Sacred Grove
/ When days are short and nights long*

On Planetary Oneness Paradigm

*/ This Grove's a place where we come to repair
Our / selves and our world when they're wrong
By / choring loud in a beautiful song
/ This Grove's a place for repair*

*/ Glory to God and all things on our Earth
The / fish butterflies and tall trees
/ May we live long as our quiet Sacred Grove
/ Glory to God and our Earth*

About the author

Rodney Shakespeare taught in UK schools and colleges for thirteen years. For ten



years he was Visiting Professor of Binary Economics (holding the only academic post in the subject in the world) at Trisakti University, Jakarta where he taught on the International Postgraduate Islamic Economics and Finance program.

Binary Economics is a new paradigm economics which, among other things, addresses the technological shift now smashing out traditional well-paid jobs (and substituting insecure, low-paid ones) and upholds democratic economic rights as well as the usual political ones. As a new, major paradigm (but with roots in the 1950s), Binary Economics could not be understood (and thus taught) in the UK.

Rodney is a Cambridge MA, a qualified UK Barrister, and a well-known paper presenter and lecturer particularly at conferences dealing with money, the real economy, and social and economic justice.

Co-founder of the Global Justice Movement www.globaljusticemovement.net he is the author of <http://www.binaryeconomics.net>, www.sunparadigm.org and www.binaryparadigm.org

In 2000 he received the (Martin Luther) King-Kelso Award. He has broadcast with various TV stations including Press TV.

Rodney's first co-authored book on Binary Economics (*The Two-factor Nation*) was published in 1976. He is co-author of the standard textbook on Binary Economics (*Binary Economics – the new paradigm*, 1999) and also co-author of the subsequent *Seven Steps to Justice* (2002) which further develops Binary thinking. He is author of *The Modern Universal Paradigm* (2007) containing later developments in particular relating to paradigmatic understanding and the appeal of Binary Economics to people of faith and of good faith and, in 2019, he wrote *The Prophet Vindicated (P.B.U.H.)*. His last book was *A New Paradigm Response* (2022).

Rodney is a widower with two children and two grandchildren. He is a private tutor and Chair of the Committee Against Torture in Bahrain.

Due to an accident he has impaired hearing.

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