

**This is a revision of the submission for the Berggruen Essay Prize.
It has a new title – *Planetary Paradigm & Democracy***

Summary

The new *Paradigm* knows that everything is interconnected and that the ecosystem is fragile. However, the mainstream understanding of reality is reductionist and denies the fragility: it is also outdated, inaccurate and static. The *Paradigm* rejects the mainstream understanding replacing it with a new one which is accurate, dynamic and not reductionist having potency comparable to that of the Copernican Revolution. Just as the Revolution introduced new methodology for astronomy, so the *Paradigm* introduces new methodology for environment, economics and politics revealing that mainstream understanding is based upon *fifty nine* false assumptions. These are then **reversed** with the reversals being seen to be true and so capable of forming the components of the new paradigm resulting in ability to solve problems (e.g., persistent poverty, environmental deprecation, reparations) which, at present, are insoluble. The *Paradigm* opposes ‘globalisation’ and introduces pre-distribution income for all.

Key words: Planetary Paradigm, Planetary Democracy, Planetary Capital, Planetaryity, Basic Income, *homo co-operans*, pre-distribution

(9,895 words)

When reality is accurately understood, new solutions easily arise

On Planetary Paradigm & Democracy Thereby Averting the Destruction of Our World

Let's start where it all begins – the sun.

And we see the sun *appearing* to go around the Earth.

Astronomers, theologians and ordinary people, therefore, naturally assumed that God had placed His supreme achievement – the Earth – at the centre of the universe.

Indeed, the geocentric (or Ptolemaic) factual assumption was so big and obviously important that it founded the major paradigm i.e., the societal understanding, or perception, of reality.

Major paradigms, (whether true or false), have a significant characteristic – they decide what does, or does not, happen in society thereby creating beneficiaries. In the case of the geocentric paradigm, the beneficiaries were the kings and priests who could claim that God had put them into power.

Thus the geocentric paradigm founded a *Divine* (i.e., God-given) *Right* to rule which generally prevailed although there had been democratic institutions, for example, in the city-states of ancient Greece and in the Roman Republic.

Periodically, there would also be radical outbursts such as Catharism in southern France (destroyed by the Albigensian Crusade) and Savonarola's Florentine Republic.

However, the inescapable consequence of the geocentric paradigm and the *Divine Right* was that anybody daring to challenge the existing social structures, both secular and religious, was deemed an agent of Satan or the Devil. Needless to say, the fate of Satanic agents was the thumbscrew, rack (which ripped bodies apart) and death by fire.

Thus just *one* false assumption about physical reality – that the Earth is the centre of the universe – had founded a major paradigm supporting powerful structures which could not be challenged in any meaningful way even though, as long ago as the third century BC, Aristarchus of Samos had put forward the planetary truth.

Indeed, the inability to challenge would continue until better telescopes, meticulous observation, close reasoning and, especially, the immense courage of Copernicus, Galileo and colleagues, could succeed in overthrowing the geocentric interpretation of reality and replacing it with the heliocentric opposite.

The overthrow is called the Copernican Revolution and it had, and has, hugely advantageous consequences including political democracy (i.e., the vote), advanced astronomy and rocketry.

Tension between Conservatives and Progressive Innovators erupts into vicious battles

There are many historical examples of false assumptions about reality founding a major paradigm and so being the basis of powerful structures. The 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.

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 false assumption about reality lay at the centre of their academic subject. Moreover, they knew that the Conservatives were not taking all the facts into consideration. Furthermore, 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.

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, it enabled an accurate interpretation of the facts and did so without resulting in a convoluted or opaque overall explanation.

Thus Louis Pasteur demonstrated an *opposite* – that invisible, rather than visible, things are the cause of disease. He was rejected by 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 (tectonic plates); Barbara McClintock ('jumping' genes); and James Lovelock and Lynn Margulis (Gaia) – all of whom put forward *opposites* and were rejected by their contemporaries.

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

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

The battles were long and it is length which is the problem in achieving paradigmatic change.

Thus the Copernican Revolution started with Copernicus's *On the Revolutions of the Spheres* in 1543 and culminated with Newton's *Principia* in 1687. That's one hundred and forty four years.

But the achievements of the Revolution also included the stimulation of – literally – revolution and so encompass the American (1776) and French (1789) Revolutions. That's two hundred and forty six years!

However, there were shorter periods for recognition of the work of other Progressive Innovators. In the case of Alfred Wegener it was fifty years and fifteen for both Charles Darwin and Barbara McClintock.

The opening situation – hostility and cocky confidence

In all the above examples the opening situation was 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 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 just i.e., all people get what they deserve.

Yet every sane person knows that, leaving environmental matters aside, the globalised 'free market' is unbalanced; inefficient; unfree (most people cannot acquire productive capital); and unjust – 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 from a profound belief that mainstream thinking is based upon accurate factual assumptions about 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.

In fact, it never occurs to them that their assumptions – far from being sound and reasonable – are patently *un*sound and *un*reasonable with outcomes that are *un*desirable.

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

Some dismay

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, the assumptions are *un*sound and *un*reasonable.

To the cocky confidence, therefore, they react with some dismay.

***Planetaryity* – humans are part of, not separate from, the planet**

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

And – yes – there is.

Therefore, call a meeting and open by explaining the nature of *Planetaryity*, or planetary interconnection. This means understanding that humans are a species which is *part* of, and *not* separate from, the planet as a whole.

Indeed, we are biological organisms physically dependent upon a fragile ecology and it is salutary to remember that, even after only apparently minimal changes in environment, disaster jumps up and many species have disappeared. It is therefore hubristic to think that the human species is immune from disaster and guaranteed to survive.

We should also remember that humans exist within a social *milieu* (the surrounding society) which must be physically and spiritually healthy if, again, our species is to survive. In particular it is incumbent upon us to avoid – this is a gentle reminder – not only war but that war which is capable of destroying everything....

Only a few people have the *Planetaryity* mindset....

In short, we must have the *Planetaryity* mindset although, unfortunately, at present, *only a few* people have it while – Alas! – millions of others do not and so are mired in outdated paradigm.

With the *Planetaryity* mindset we have a trusted friend and together can address mainstream assumptions about reality and so the reasons for the miring.

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

At which point the meeting has a shock when it is revealed that the miring is not the result of just one assumption but rather of *fifty nine*!

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

Bewilderment

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

Consequently, as a result of the failure, there is a need for paradigmatic change which must be addressed if there is to be any hope of extracting 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 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 – Noam Chomsky's *The Responsibility of Intellectuals* (1967) which was influential in stimulating and coalescing opposition to the Vietnam War.

The evidence of paradigmatic failure

And so, feeling more positive, the meeting decides to examine the facts and see whether they really do constitute evidence of deep and extensive paradigmatic failure.

Almost immediately, a woman puts forward a simile – as a species, humans are like fish contaminating the aquarium in which they swim. Thus we:-

- Commit ecocide by putting plastics into the oceans (and into our bodies); poison the atmosphere; destroy *flora* and *fauna*; and deplete our resources.
- Allow (and, apparently, welcome) preposterous accumulations of wealth which do **not**, and cannot, 'trickle down' to ordinary people.
- 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.

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 have to try to exist on \$1.80 per day.
- Ignore parlous water and sewage situations – **ten thousand** people (**five thousand of whom are children**) die **every day** from the effects of dirty water.
- Insouciantly disregard colossal debt (a Minsky Moment approaches) and the implications of a **quadrillion** (10^{15}) dollar casino of derivatives.

Moreover, we:-

- Avert our eyes from lamentable homelessness – yet building materials are available.
- Understand that the middle classes are being destroyed. In America, real middle class incomes have been going **backwards** for twenty five years.

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.
- Are apparently unable to solve the continuing migration from global 'South' to 'North', This is caused partly by global warming making parts 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 nobody in the meeting demurs from the conclusion that there is overwhelming evidence of paradigmatic failure and so, after some precipitating 'black swan' event, a collapse is inevitable....

Thomas Kuhn and Rogers Hollingsworth – paradigm and paradigm shift

However, before continuing the search for new paradigm, it is necessary to refer to Thomas Kuhn's *The Structure of Scientific Revolutions* (1962) which is the seminal work on paradigm and paradigm shift. 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.

Unfortunately, while Kuhn comprehensively described paradigm, he did not 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 research of 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 a large number of subjects and all of history. Crucially, it discovered that *three* factors must be in place before a paradigm shift can occur.¹

The three factors in paradigm shift

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.

First Factor

The first factor is obvious. It is:-

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

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

Second Factor

The second factor is less obvious. It is:-

The tension which arises between Conservatives and Progressives

In the case of the Ptolemaic paradigm, the tension arose as a result of better telescopes providing new information which showed the forward-back, quick-slow movements of the planets as well as the light-dark changes in their illumination.

¹ **NB.** The research **may have been suppressed**. The exact reason is not known but it may be related to the nature of the third factor or to the perceived future of the USA. Moreover, the precise location of the research is also unknown (or at least unknown to this author). That said, this essay is an opportunity to honour the ground-breaking research of Rogers Hollingsworth and colleagues. Dr Talib Warsi, Michiel Bijkerk and Peter Challen are also thanked for help and encouragement.

The Ptolemaic Earth stayed at the centre of the universe!

However, the Conservatives then interpreted the new information 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!

Demolition

In contrast, the Progressives were realising that the new information was establishing factual realities directly *opposite* to those contained in the Ptolemaic paradigm and the associated ‘epicycle’ theory.

Eventually, both Ptolemaic paradigm and ‘epicycle’ theory were demolished with consequences going far beyond scientific research to the overthrow of powerful social and political structures.

Lessons for us today

All this has 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 beneficiaries – the global elite – who rule the world.***²

Secondly, there is widespread paradigmatic failure.

Thirdly, there is tension because Progressives who dare to doubt the worth of today’s prevailing paradigm are reviled as trouble-makers, socialists, communists (or even terrorists).

Moreover, censorship is building.

Even worse – if that is possible – it is likely that governments will soon be taking oppressive control over everybody via Central Bank Digital Currencies which 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.

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’? What ‘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:-

² A Forbes global analysis of 37,000,000 companies and 43,060 transnational companies with their interlinking shareholdings shows that 147 companies control 40%, and 737 companies control 80%, of the global economy. Financial institutions predominate. There are also private companies and wealthy individuals with opaque (often off-shore) holdings in trusts, property and the like.

a) 'opposite mindset'

An '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 the rulers!

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

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

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

Receptivity to reconsideration of basic assumptions

But what should well-motivated and knowledgeable people do when they are neither top scientists (like the Progressive Innovators), nor moral and political giants?

The answer is that they need only be receptive to reconsidering some of their basic assumptions about life on our planet.

At first, their basic assumptions will seem reasonable, even true.

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

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 groups.

Unfortunately, support is almost impossible to achieve because the existing powerful groups are *always* the vested interests which are buttressed by most universities; most think tanks; the Central Intelligence Agency (or similar) and the mainstream media. All of these institutions exercise influence and, consciously or unconsciously, are bent on perpetrating and perpetuating a false (and profoundly reductionist) conception of physical reality.

Raison d'être of intellectuals

Such their benighted obduracy and to their eternal shame, *none* of these institutions 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 to have never heard of Noam Chomsky, still less of Julien Benda (*La Trahison des Clercs*, 1927).

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

Gadarene swine

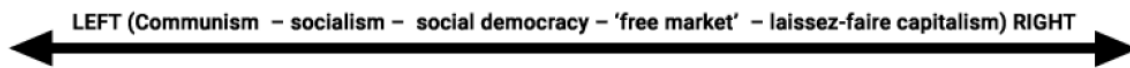
In fact, they are much like a herd of Gadarene swine which embodies evil but is not yet ready to drown itself in the sea.

c) 'coming from outside'

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.

For example, because they are **ALL** based upon similar (false) assumptions, **ALL** present economics and politics exist somewhere on a left-right linear spectrum.



Any new paradigm, therefore, will be *outside and beyond* the linear spectrum and so cannot be understood by anybody using the old vocabulary and concepts.

All is not lost.... – Galileo

Nevertheless, readers should not despair. All is not lost because a new paradigm *can* come into existence when new understanding – with new vocabulary and new concepts – is introduced.

As Galileo said:-

All truths are easy to understand once they are discovered: the point is to discover them.

Amazing suddenness – apples can fall....

Moreover, new truths can appear with amazing suddenness as when Isaac Newton was hit on the head by a falling apple.

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).

Mainstream false assumptions are interconnected in a net

Rather than taking a linear form (with one following on from another), the false 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 the false assumptions. 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 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.

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

The first false assumption is that, 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), the 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.

The sentence speaks of human labour at a time when it undoubtedly contributed 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 Salvation (i.e., Heaven).

Furthermore, when Smith visited a pin factory (or had read Diderot's *Encyclopaedia*), he observed that there, too, human labour **and not machinery** did the work. Indeed, the processes involved were specialized **HAND** processes e.g., extruding the wire; snipping it – eighteen operations in all.

The pin factory, therefore, was efficiently producing pins because of **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); watermills (invented by the ancient Greeks); and keystone bridges **all operating by themselves**
- pack-horses **carrying loads largely by themselves**
- ploughs, wagons, lifting equipment, ships and brick kilns **all doing a lot of work** (but also requiring some human – or animal – input).

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**.³

Today, moreover, 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 changes in manufacturing industry, agriculture, transportation, information and communications

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

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

- **sometimes does all** of the work in creating the output i.e., **labour does 100%**.
- **sometimes does a percentage**, ranging from large to small, with the rest being done by the capital instruments i.e., **labour does anywhere between 99% and 1%**.

³ 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; land; a bridge over a river; a self-opening door; a pump; a building; machinery, a house; a road; a ship; technology; the internet – **or the sun** which is also a capital instrument but not one that can be owned!

- *sometimes does **none*** with everything being done by the capital instruments i.e., **labour does 0%** (as in an automated factory).

NB. Maintenance and repair (of an automated factory) are *not* part of the production process – they are like your doctor who repairs you but has no claim on your productive output.

In sum, in most tasks nowadays, jobs are, at best, doing only *a part* of the work while a bigger, ever-increasing part is being done by the capital instruments.

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

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.

The explanation says that, because human labour creates 100% of the output, the destitution of *half* the world's population (living on under \$5.50/per day) is because *people are unwilling to work*.

Yes, mainstream thinking – self-righteously convinced that God is on its side – is claiming that billions of people are poor because they are layabouts and good-for-nothings!

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

Moreover, even when people do have a job, they are low paid and insecure. Furthermore, they are without protection against environmental hazard and natural disaster.

Indeed, their lives consist of desperate attempts to avoid falling into penury while women are in a particularly precarious position.

The true explanation for persistent poverty

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*. Thus the true explanation for persistent poverty today 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 and
- 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 Democracy*. **However, this cannot happen while an untruth – that human labour creates all the output – prevails!**

Unfortunately, the mainstream media, 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

Mainstream propaganda says that there will always be sufficient jobs. Yet that is untrue – *sufficient jobs for most people will not exist.*

Indeed, with amazing candour and stark brutality, Yuval Noah Harari (of the *World Economic Forum*) says 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.’

‘Useless people’

Harari goes on to ask:-

‘What to do with all these useless people?...When they are basically meaningless, worthless....?’

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 nasty 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, you did read 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

The fourth false assumption says that wealth ‘trickles down’ from the rich to poor.

However, ‘trickle down’ does not, and cannot, happen – the rich *never* spend all their money and, in any case, it is impossible for them to do so because their wealth increases *faster* than they can spend it.

Thus the world’s richest 1% has more than twice 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. And billionaires increased their wealth as much in the last two years as normally happens in twenty three!

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

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

Mainstream propaganda cultivates the pernicious belief that the banks lend existing money.

However, they do **NOT** lend existing money. Today’s bank money is **created out of nothing** by the pressing of computer buttons!

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.’

Thus, today, money is created out of nothing yet propaganda still leads people to *believe* that lent money is a real thing when it is not.⁴

Purpose of lending

There is a further crucial point to consider – the *purpose* of present lending. **IF** – it's a big 'IF' – the lending is for the real economy *and* its spreading to *every* person in society, then present lending practice could be tolerable.

But it is *not* lent for the real economy, or for its spreading.

vi) Sixth false assumption – that interest is necessary

Interest is a curse on the world. In Aachen, Germany, 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!

50% of the price of *all* goods and services relates to borrowing. 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.

Because of interest the cost of capital projects is *doubled even quadrupled or more* particularly when the interest is compounded.

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! 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 of the Bridge became too much for Humberside residents and so the UK government was forced to take over responsibility for repayment.

And it is the same with clean electricity generation. In the UK, one project – tidal lagoons in the Severn estuary – would have generated 10% of the UK's electricity. Yet, because of compound interest, the project was cancelled,

Social consequences of compound interest

In India, between 1997 and 2010, compound interest caused 200,000 farmers to commit suicide. To get out of debt, many farmers have to sell one of their kidneys.

Is interest necessary?

Administration cost (which is small) is necessary.

But interest is a cost put *on top* of administration cost and is *not* necessary because it attaches itself to a debt and creates additional recurring charges in a way which is completely distinct from administration cost.

Bankers 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 what is necessary and what is unnecessary is lost.

⁴ Long ago, money was **NOT** created out of nothing but, instead, was something solid e.g., copper, silver, gold – even stone disks! And so money was **commodity** money i.e., a real thing.

Today, when money is created out of nothing, it is outrageous that interest is unnecessarily added.⁵

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

In past times, humans *did* create most of the output and so there was no reason to limit the population which did the creation.

Moreover, starvation, war and disease 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 strained.

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

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

- a reasonable standard of living,
- good health and education
- status for women

population levels DO stabilise and reduce – *voluntarily*.

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

NB. Computers and new technology are doing more and more of the production (and will be doing even more in future) and so large populations will **NOT** be needed to ensure adequate production.

viii) Eighth false assumption – that (the concept of) *homo economicus* is an accurate characterisation of human psychology

This false assumption is causing disaster on a colossal scale.

Homo economicus is the mainstream concept which sees **ALL** humans as 'rational' meaning 'self-interested and greedy' i.e., wanting more and more material possessions and never, ever, being satisfied. In short, Greed is Good.

Furthermore, mainstream thinking claims that *homo economicus* is fundamental psychology and therefore cannot be changed.

And, at present, that seems to be true. With some exceptions (e.g., gift economies and some commendable individuals), selfish, greedy *homo economicus* **is** a fair characterisation of human psychology. The evidence is today's societies with their endless desire for material accumulation which has disastrous consequences for *fauna*, *flora*, resources and the environment.

⁵ 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**, as happens today, money created out of nothing by the pressing of computer buttons. When money is created in this way, the banks are using – and abusing – *society's* power to create money to benefit themselves.

Change can happen

BUT the falsity today is in claiming that *homo economicus* cannot be changed. On the contrary, *homo economicus* **CAN** be changed because human psychology **DOES** change when human circumstances change.

This change will happen when there is an implementation of *Planetary Democracy* with fair incomes and access to basic services for everybody. The implementation will act against greed because greed is ultimately caused by actual, or fear of, material insecurity so that high social status is accorded to those who do have material security and low social status given to those who do not.

Thus a basic material security for everybody is the only way to change *homo economicus* into *homo co-operans* and so give hope that the future world will be living within the resources available.

As Mahatma Gandhi said:-

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

Other false assumptions

Other false assumptions include:-

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

At present, high taxation is necessary so as to redistribute income.

However, the *pre-distribution* of capital income (i.e., *Planetary Capital*) solves the problem.

x) Student loans must bear interest

No! As long as student loans originate with the national bank there is no reason for them to bear interest. Repayment is via the taxation system.

xi) *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.

However, the reality today is that *technological advance massively increases output*,

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

xii) An economy requires two lots of financing bearing interest

Today's economies require two lots of financing – one for production and one for consumption – both bearing interest....

In *Planetary Democracy*, however, only *one* lot of interest-free financing is necessary. It finances *both* production and consumption *at the same time* and is called *simulfinancing*.

xiii) Personal, national and international debt is healthy

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

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

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

Wrong!

ALL academic subjects, to the greatest extent possible, must take account of other subjects and always have a strong sense of ethics, justice and *Planetaryity*.

More false assumptions

More false assumptions can be found at:-

www.binaryparadigm.org and www.universalparadigm.org

Efficacious paradigm, EDCReD and new definitions of academic subjects

The *Planetary Paradigm* is efficacious because it is:-

- *accurate*
- *internally consistent*
- *comprehensive*
- *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
- *not reductionist*. The *Paradigm* encompasses many subjects e.g., history, sociology, psychology, religion, environment, economics, anthropology, technology, physics and epistemology.

Furthermore, it:-

- *includes ethics*
- *understands change* over time

In particular, it is philosophically and psychologically opposed to ‘globalisation’.

The new methodology – EDCReD

After paradigm, methodology generally decides:-

- the results of research
- proposals for reform (*or not*)
- policy
- outcomes

Unfortunately, the present outdated paradigm results in an outdated methodology and so a failure to find badly needed solutions.

However, the efficaciousness of the new paradigm enables a new methodology – **EDCReD** – which is central to the epistemological challenge of discovering truth.

In its method **EDCReD**:-

- **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 policies from the reversed assumptions

By meticulously examining the facts, then checking if mainstream thinking interprets them accurately (and, when it does not, substituting a more accurate interpretation), **EDCReD** is following in the footsteps of Copernicus and Galileo.

This contrasts with mainstream thinking which, like the old Ptolemaic system, deduces its policies from false assumptions.

New definitions of academic subjects

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.

Renovating democracy – Planetary Democracy

It is erroneous to conceive of democracy only in terms of the vote because, by so doing, economic aspects are being hidden, indeed, suppressed.

The problem is that the vote is merely a weak power, exercised infrequently and with no certainty of substantially affecting the political, let alone the economic, outcomes.

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. This is called **Planetary Democracy**.

The absence of the economic element in democracy today is why a considerable percentage of the population does not vote.

Practical application of the new paradigm

The new paradigm is aware that if the citizens of the world lived like those of the USA, the resources of more than *five* full worlds would be needed to satisfy the global need every year.

The implications of that are horrific and, at present, there is no solution.

Supply of interest-free (repayable) money

However, there **IS** a solution – **Planetary Democracy** – which starts by understanding that, in today's oligarchic finance capitalism, *interest-bearing* money is the norm.

In contrast, *Planetary Democracy* introduces a supply of *interest-free* money emanating from national, public or international banks (but locally administered by the private banking system).

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

Therefore the practical application of *Planetary Democracy* 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 economies**
- **a change from homo economicus to homo co-operans**

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 on wide ownership, small business/farm, real economy and environmental principles)

AS LONG AS the money is repaid and cancelled leaving behind in existence the productive or environmental asset for which the loan was originally extended. ⁶

Technological advance, counter-inflation and a new word – *doe-flation*

Planetary Democracy 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.

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.

(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, there is a way – (Pre-distribution) **Basic Income plus Capital Ownership** – which compensates for decrease in job opportunity by substituting capital income and ownership **which can be received by non-employees as well as employees**.

Thus *Planetary Democracy*, over time, spreads capital income (as well as capital ownership) to *every* person in society.

⁶ NB

- The ability of the banking system to create money out of nothing is limited (by a rise in banking reserves to 100%).
- The amount of interest-free issuance is limited by requirements for repayment, wide ownership and environmental benefit.
- Interest-free loans are rapidly repaid.
- Only periodic inspection of the private banks would be necessary. Any bank abusing the privilege of being allowed to administer the interest-free supply would lose the privilege.

Full payout of earnings

In *Planetary Democracy* **ALL** large corporations must pay out **ALL** their earnings **ALL** the time (with exception of reserves for depreciation, research and development).

). In order to invest, therefore, large corporations may have interest-free money **AS LONG AS** wider ownership is furthered. (This is a main principle of Binary Economics which founded ESOPs (Employee Share Ownership Plans – www.binaryeconomics.net)

NB. If a corporations does not take advantage of the interest-free money it will be at a disadvantage by having to rely on interest-bearing money.

The Competence – Basic Income *plus* Capital Ownership

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

This ensures that *daily* economic power (i.e., steady income) 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 basic school fees, with increases at eleven and sixteen. Thereafter, the income stays as part of the adult **Competence** 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)

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 Accumulation of \$200,000 with both figures increasing after the age of sixty five. **NB.** The figures would be *very* much higher today.

The **Competence** is *in addition to* any income from a job.

Interest-free money has a wide range of uses

Interest-free money has a wide range of uses:-

Housing

Private

A house *continuously provides accommodation*. It is thus 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
- 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.

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

Water and sewage

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

Railways, ports, bridges, roads, airports etc.

Railways, ports, bridges, airports etc can also be built at half, or more, of the present cost.

Clean electricity and environment

Interest-free loans can be used for generating clean electricity e.g., **geothermal power, hydroelectric schemes, windmills, underwater turbines, wave machines and tidal lagoons**. Tidal lagoons use old technology – concrete and slow-moving turbines – and are easily constructed *but compound interest stops them being built!*

Many countries are suitable for **solar generation** e.g., **solar towers**.

Gravity batteries store electricity and are easily constructed.

Mangrove-crested sea barrages can sequester as much CO₂ as rain forests.

Reforestation, re-wilding and the **regeneration** of barren lands are essential.

Micro-credit, start-ups, small businesses and farms

Often a woman may never have travelled more than a few kilometres from her matrimonial home, be regularly attacked by her husband and fail to get her children educated.

However, 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

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%), repayment would be 100%.

Start-ups, small businesses and farms 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 and spreading ownership.

Previous use of interest-free loans

There is nothing new about interest-free loans.

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 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 claim that interest-bearing money is better than interest-free.

Colonisation and decolonisation – A.I.D.S.

Many countries have A.I.D.S. – Accumulated International Debt Syndrome – because they are:-

- **entrapped into** everlasting, and ever-increasing, debt
- **controlled by** outsiders and
- **subject to** having their resources expropriated.

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

This shocking situation, however, is addressed by the new economics and finance which decolonise countries and enable 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.

Call for Reparations (for past and present injustices) and their satisfaction

There is a need to remedy colonial, war, slavery and other injustices perpetrated on populations in the past.

Moreover, in the present, there are:-

- unpaid women
 - all those people denied access to capital income
- and so there comes a Call for Reparations.

The Call can be satisfied by implementing *Planetary Democracy*.

Co-operative and participatory business structures

Planetary Democracy not only spreads ownership but stands for participatory co-operation.

Mondragon co-operatives

The Mondragon region of Spain is prosperous with an absence of rich-poor extremes because it has developed co-operative businesses. The detail of the arrangements is important.

The co-operatives began in 1956 and employ 82,000 people. They represent a humanist concept of business participation and ownership.

Planetary Capital forwards Mondragon co-operatives by ensuring that they have interest-free finance.

Binary Economics

Binary Economics is a precursor of *Planetary Democracy*. Beginning in 1958 (*The Capitalist Manifesto* – Louis Kelso & Mortimer Adler), Binary Economics is famous for creating the Employee Share Ownership Plan (**ESOP**).

However, **NB**, the ESOP has **NOT** been implemented as Binary Economics originally intended because, today, it is only for employees (rather than non-employees as well) and is not allowed to use interest-free finance.

Other Binary Plans exist – see www.binaryeconomics.net

The future

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

The Great Reset

The ‘*Great Reset*’ is a phrase describing the proposals of the *World Economic Forum* which will concentrate all economic power into the hands of the few rather than putting it into the hands of the many.

The *Great Reset* elitists say – accurately contradicting governmental propaganda which claims there will always be enough good jobs – that **traditional jobs will disappear and so most people will be (in the view of the elite) ‘useless’**. In debt; hooked on drugs, social media, video games and the Metaverse, they will be useless *because of having no productive function*.

‘Useless people’ have no value

Furthermore, the lack of productive function means that (in the view of the elite) the majority of people **will have no value. NONE!**

Nevertheless, in the view of the elite, *some* people will have immense value and readers are invited to guess who they might be....

Well done, dear reader!

The global elite, of course!

As the owners and controllers of the future technology, the elite see themselves – and only themselves – as of great value because *they* will be owners of the technology and so entitled to be its beneficiaries.

Thus the elite (in its view) is not only entitled to own and control everything but it also has the strongest possible sense of its own moral worth *combined with a complete inability to comprehend the worth of anybody else*.

Indeed, whereas God values all humans (as does the *Planetary Paradigm*), the *Great Reset* elitists **value none – except themselves.**

A morally degenerate fascism will kill

And so, because of the designation of the majority of people as becoming ‘useless’, **there is every reason (in the minds of the *Great Reset* elite) to eliminate those people.**

Power tends to corrupt: absolute power corrupts absolutely.

The killing is the more certain because there is talk about a global population *under 7%* of the present total – see the now-destroyed Georgia Guidestones. Authors such as Paul R Ehrlich have suggested a total population about one third of the present level.

The key point is that the global elite has **no voluntary way** of achieving population reduction.⁷

Summary of the *Great Reset*

In the *Great Reset* world of the future, there will be:-

- no private property for most people –“*People will own nothing and be happy*”
- elimination of small businesses and farms
- a tiny basic income for most people
- exorbitant riches for the few
- constant control and surveillance i.e., authoritarian technocracy combining George Orwell’s *Nineteen Eighty Four* (1949) and Aldous Huxley’s *Brave New World* (1932)
- reduction of population – by involuntary methods

OR

Planetary Democracy to the rescue!

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.

Justice which creates Efficiency and Freedom

Efficiency and Freedom which create Justice!

ALL people to become productive

What is Sauce for the Goose is Sauce for the Gander!

⁷ People are sensing this and so it is unsurprising that they are fearful of pandemic viruses; sceptical about a natural explanation for their origin; and worried about the purpose of the associated vaccines.

Furthermore, the worries are increased by the Pentagon (in a press release) admitting to funding forty six bio-laboratories in Ukraine.

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 Democracy* 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, in a very real sense, 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

Therefore, far from being ‘useless’, **ALL** people will come to have fulfilling and creative lives. From their earliest age, they will be developing artistic instincts and physical skills doing music, painting, dancing, theatre, handicrafts and sports.

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.

People will study over their lifetimes.

Furthermore, many and splendid are the ways in which we humans can serve each other.

Yes, the people of the *Planetary* society will put to shame the narrow-minded, power-mad globalists whose sole desire is to control and manipulate (a greatly reduced) everybody else.

Change in human circumstances – *homo economicus* becomes *homo co-operans*

Crucially, in the *Planetary* society, *homo economicus* will evolve 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

Therefore, when there is a lot of material insecurity and huge rich-poor division (as is the case today), there is certain to be greed manifesting itself in the flaunting and display of excessive wealth (as is also the case today).

Put differently, 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 what happens when *everybody* has their basic needs – for comfort, food, medicine and shelter – being securely met so that they need never fear penury? In those circumstances, people will begin to question if selfishness and greed really are unalterable human qualities or whether, in new circumstances, they can reasonably be expected to become more positive.

Indeed, people might further conclude that, whereas greed is worshipped today, in the *Planetary* future (when everybody 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, 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*.**

In short, high social status will become associated with living responsibly and low social status will be the lot of those who selfishly and irresponsibly act so as to destroy the future of the human race.

Gentle change-over – like a spring day

Planetary Democracy is politically neutral.

It is, however, a revolution.

Yet there is nothing violent in the revolution.

Indeed, told that the revolution is under way, people might ask, “What revolution?” because the change-over to *Planetary* is gentle and the effects, whilst immensely powerful, are quietly beneficent – like a spring day.
