

Angel Theory – Paradigm Shift

A More Creative Capitalism

Chapter 15. Forty-Six Reasons Why

Growth Theory Climate Change
& START-UP AND CHARTER CITIES,



By Nick Ray Ball 12th November 2018

PART 1.

Growth Theory – Start-Up and Charter Cities,
High Octane Financial Engineering and Software Designs.

In 2012, I wrote The Theory of Every Business. One key aspect of this concept was what I then called economic butterfly effects. Which, today, in the language of economics, it is described as positive externalities and spillover effects. These economic butterfly effects were so central that when it came to a website and project name, I chose American Butterfly. Because the network would start in the USA and create economic butterfly effects across the world and back.

William Nordhaus, Nobel Prize in Economics
Press Conference

<https://www.youtube.com/watch?v=zQw-TJxfl-Q>

At 32.43 says about Growth Theory way back then **“it was closed you can’t invent quantum mechanics a second time, it looked like everything had been pretty much done.”** And whilst that may be true, one can apply lessons and models of quantum mechanics to economics and that is what we discuss in the first 3 chapters.

At 40.20 **“I think we understand the science, we understand the economics of abatement, we understand the damages, but we don’t understand enough how to bring countries together and that’s where the real frontier work is going on.”**

Make a brand out of the carbon Tax

Growth Theory



Growth theory suggests that economic growth is primarily the result of endogenous forces (caused by something within), not external forces. The theory focuses on positive externalities and spillover effects of a knowledge-based economy, investment in human capital, innovation, knowledge, subsidies for research and development, education and increasing the incentive for innovation, wrapped up in appropriate policy measures.

Start-Up & Charter Cities by Paul Romer



Paul Romer is the recipient of the 2018 Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel, commonly referred to as the Nobel Prize in Economics for outstanding contributions to the field of economics; specifically, *“for integrating technological innovations into long-run macroeconomic analysis.”*

The following is an introduction to Paul Romer on Charter Cities from the book 'Poor Economics' by MIT Professors Esther Duflo and Abhijit Banerjee.

“One possible way to break the vicious cycle of bad institutions is to import change from the outside. Paul Romer, known for his pioneering work on economic growth a couple of decades ago, came up with what seems like a brilliant solution: If you cannot run your country, subcontract it to someone who can.

Still, running an entire country may be difficult. So he proposes starting with cities, small enough to be manageable but large enough to make a difference. Inspired by the example of Hong Kong, developed with great success by the British and then handed back to China, he developed the concept of “charter cities.” Countries would hand over an empty strip of territory to a foreign power, who would then take the responsibility for developing a new city with good institutions.

Starting from scratch, it is possible to establish a set of good ground rules (his examples range from traffic congestion charges to marginal cost pricing for electricity, and of course include legal protection of property rights). Because no one was forced to move there, and all new arrivals are voluntary—the strip was empty to start with—people would not have any reason to complain about the new rules.

One minor drawback with this scheme is that it is unclear that leaders in poorly run countries would willingly enter into an agreement of this sort. Moreover, even if they did, it is not clear they could find a buyer: Committing not to take over the strip of land once it is actually successful would be quite difficult.”

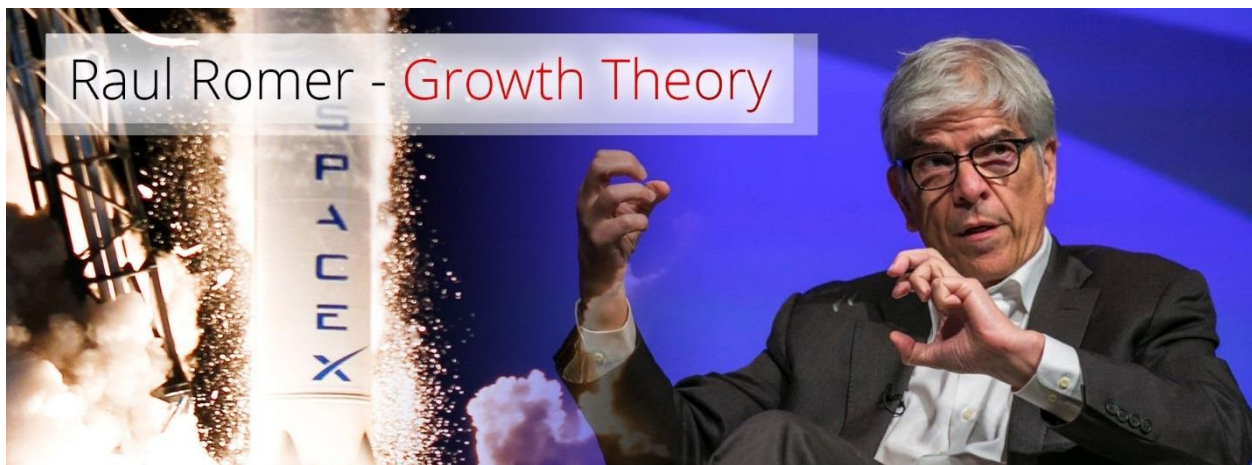
Paul Romer discusses the matter further on his website: <https://paulromer.net>.

Romer starts...

“The two most interesting precedents for Charter Cities are Hong Kong and Shenzhen, so it does have some origins here. They each played important roles in fostering reform of the Chinese economy. But it is an approach that can be used in any country that wants to implement reforms, even a developed country like the United States. It turns out that this is a unique time in human history when it is possible to start many new cities because there is an enormous, unmet demand for city life.”

And the interview continues...

<https://paulromer.net/interview-on-urbanization-charter-cities-and-growth-theory>.



https://www.youtube.com/watch?v=fn2d44_6R7c (At 17.00 minutes)

Honduras: The Plan for Private Cities

Honduras presidential candidate 2017 Salvador Nasralla says:

“People will want to go live there because they will probably have a higher quality of life there. But what about the rest of the country? Is everyone else going to be left to die?”

Interviewer: “But can’t they be an example for the rest of the country to follow?”

Nasralla: “No, because these are areas of exploitation. All they want is to develop their area. They won’t care about the rest.”

Nick Ray Ball

In response to this point, ideally, we would maybe focus on one City but also spread the Grand Śpin Network out across the whole country



<https://www.youtube.com/watch?v=ijrplAdnPfY>

TVO: Paul Romer: Charter Cities

At 6.00

"It's not a Charitable Impulse" instead of a "Mutually Beneficial Exchange."

S-World is Charter Cities 2.0

<https://www.youtube.com/watch?v=-nL4-Vj5Lyw&feature=youtu.be>

Interview at NYU Marron Institute soon after the Nobel Prize was awarded.

<http://marroninstitute.nyu.edu/about>

OFFICE: (212) 992-6860

1 800 326 0013 - Int 203 702 1000 (Numbers on

<https://www.youtube.com/watch?v=-nL4-Vj5Lyw&feature=youtu.be>)

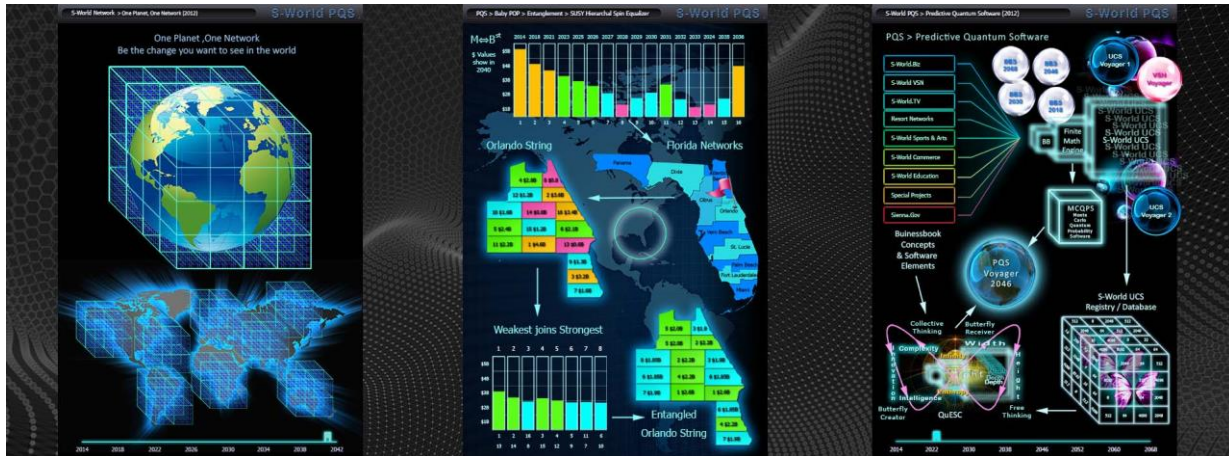
FOR PRESS INQUIRIES: marron.institute@nyu.edu

56.09: (Question about Charter Cities) **"It's the worst idea that has come along except for all the others!"**

56.30: **"It's not a great solution, nobody likes it. But you got to ask, compared to what?"** 57.55: **"On this issue about migration, we don't have a backup plan."**

1.01.49: **"I would have written less but I did not have the time."**

In the first part of this chapter, we shall take an illustrated tour of Start-Up Charter Cities and the software and systems required for their creation in locations of extreme poverty; as well as looking to the future and desiring assistance from SpaceX, we have a plan in 2048 for MARS RESORT 1.



After the introduction, we look at **the why** behind this book, 'A More Creative Capitalism,' the special ecological, philanthropic or complexity saving projects; first written in 2012 as [eight S-World UCS™ special projects](#).

Forward to the project's birthday, November 24th 2017, and the initiative grew to [16 Angel City Special Projects](#) with an emphasis towards Africa. Then, on 30th January 2018, the breakthrough chapter, '[Ripple Effects and Elephants](#),' increased to 26 special projects, and showed how all were created as externalities and spillover effects created by the S-World Network hypothesis.

The S-World Network hypothesis started in March 2011 with the first SIENNA software design. A few eureka moments later down the road, came the idea of creating New Sparta — City of Science.

New Sparta – City of Science (2011)



New Sparta was a gigantic collection of 16 Start-Up Charter Cities and a centre for science, business, trade, and manufacturing; built upon powerful software and the POP Investment Principle (Financial Gravity) from Chapter 1.

This plan is not so different from the current idea, but the 16 developments are now separate and spread across Malawi, and all companies have ecological or philanthropic credentials.

One reason for the city was the software and digital network and database plans were gigantic and would need a Googleplex the size of a city to complete. Another key reason for the Charter City idea was to hedge the software, network and technology plan with a tangible asset, the inventor's own Charter City.

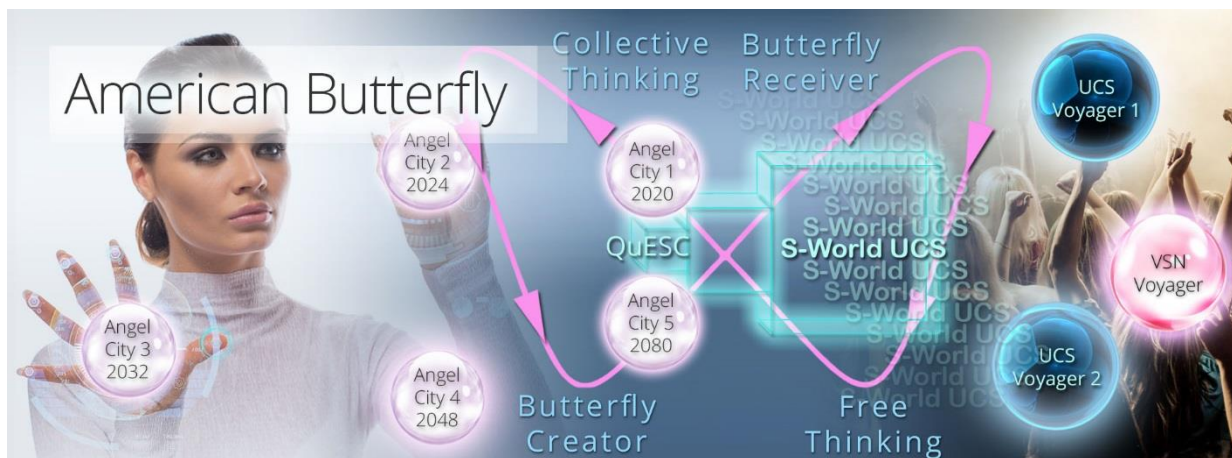
American Butterfly

In 2012, I created www.AmericanButterfly.org as the home to the first S-World Network Hypothesis Trilogy:

1. The Theory of Every Business
www.americanbutterfly.org/pt1/The-Theory-of-Every-Business
2. Spiritually Inspired Software
www.americanbutterfly.org/pt2/Spiritually-Inspired-Software
3. The Network on a String
www.americanbutterfly.org/pt3/The-Network-on-a-String

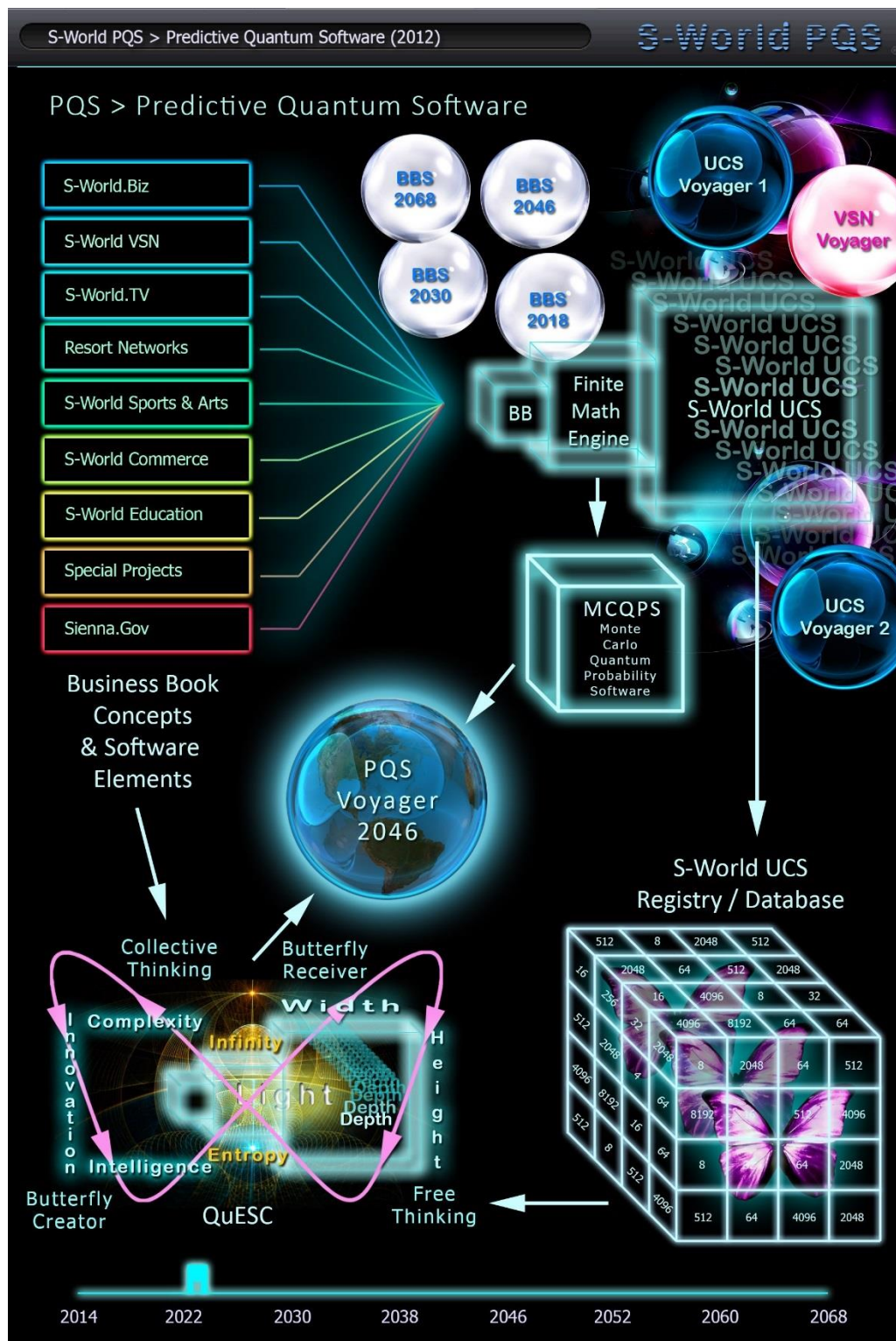
The overriding physics behind the first book was, at that time, the following: chaos theory and the butterfly effect, and the principles of iteration, cause and effect. Hence the name American Butterfly, which is simply the positive butterfly effects created by the creation of the S-World Network, which at that time was focused on the USA.

So, in essence, what positive global effects can be created as a consequence of the S-World Network hypothesis?



This question was initially addressed in the third chapter of Part 1. The Theory of just a little more than we know now. To be continued as a series of 'special projects' of ecological, philanthropic, or scientific intent in the concluding chapter, S-World UCS™ www.americanbutterfly.org/S-World-UCS-2012. And after the following books experimented with quantum mechanics and string theory and expanded the theory until in Part 3. The Network on a String, Chapter 7. Angel POP shone a light on a method that created global equality; which five years later ([Angel POP 2017](#)) is the principal reason why the current S-World Network hypothesis is being simulated in Malawi, not California.

The PQS – Predictive Quantum Software (2012)



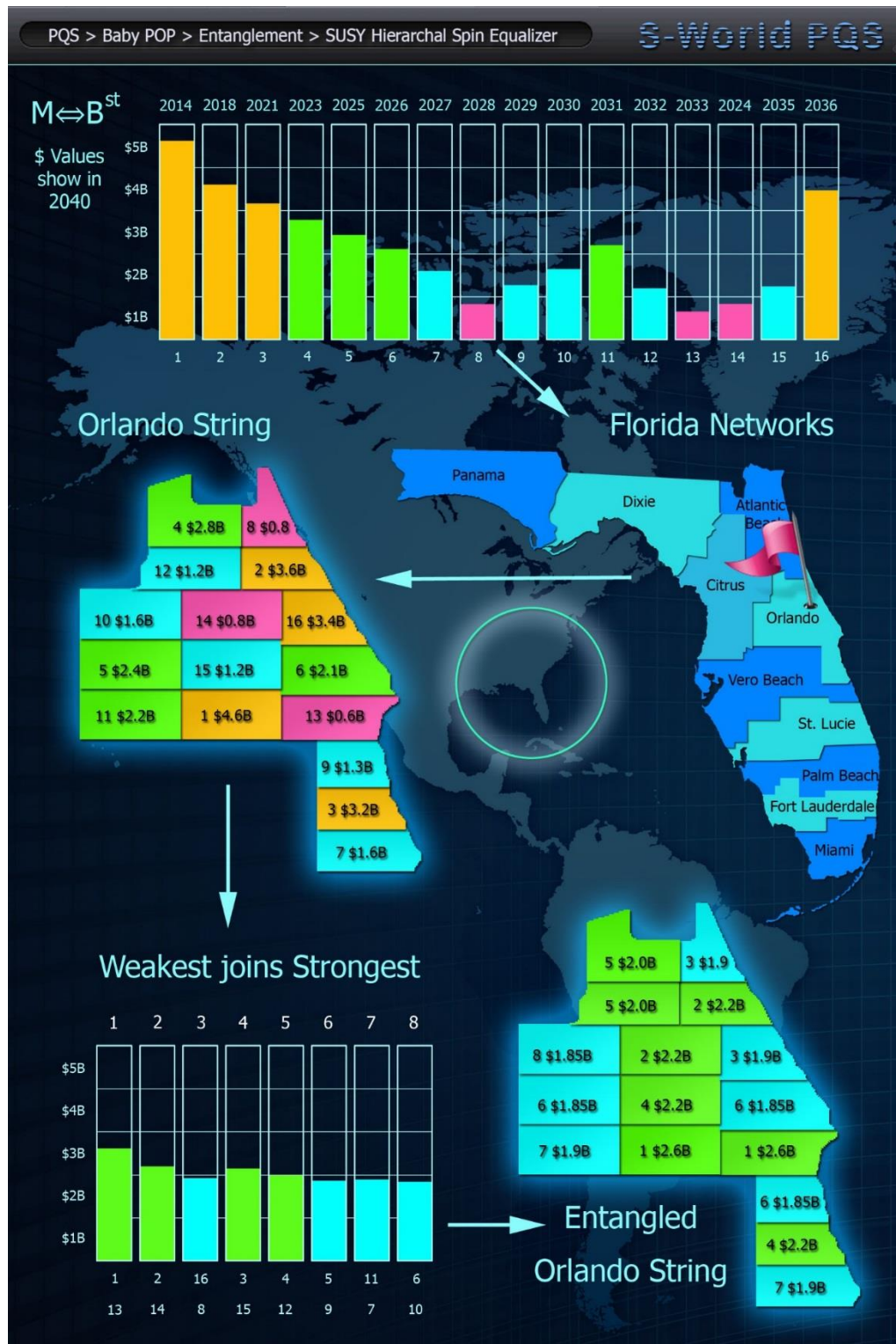
Above, we see the PQS™, with business and network software (top left), which leads right to the predictive software M-Systems 12, 13, 14, where it splits, down to the UCS database, POP, and Financial Gravity, and through the middle to an adaptation of the Monte Carlo N-Particle Transport Code. At the bottom left, we see QuESC, the system core, a Super-AI which receives data from the UCS™ database and contributes to the future predictions in PQS Voyager 2046 (now known as Angel City 5 in 2080).

POP – Financial Gravity (2012)



POP and Financial Gravity are illustrated above on a global scale. POP is a point of profitability where after all profit is invested into the company or in a new company, with the structure made from USD \$0.01x base 8, creating cubes within cubes within cubes. Above, we see 32,768 regional cubes, but note that since Angel POP 2016, the allocation now sees two cubes covering Africa.

Florida Networks (2013)



Above, we see the network in Florida, from www.AmericanButterfly.org Part 3. [The Network on A String](#) and the first - String Theory System promoting equality, which in part inspired the Peet Tent, the Susskind Boost, and S-World Malawi initiative to seek 50% equity of most companies by their personnel.

S-World Villa Secrets (2013 > 2016)

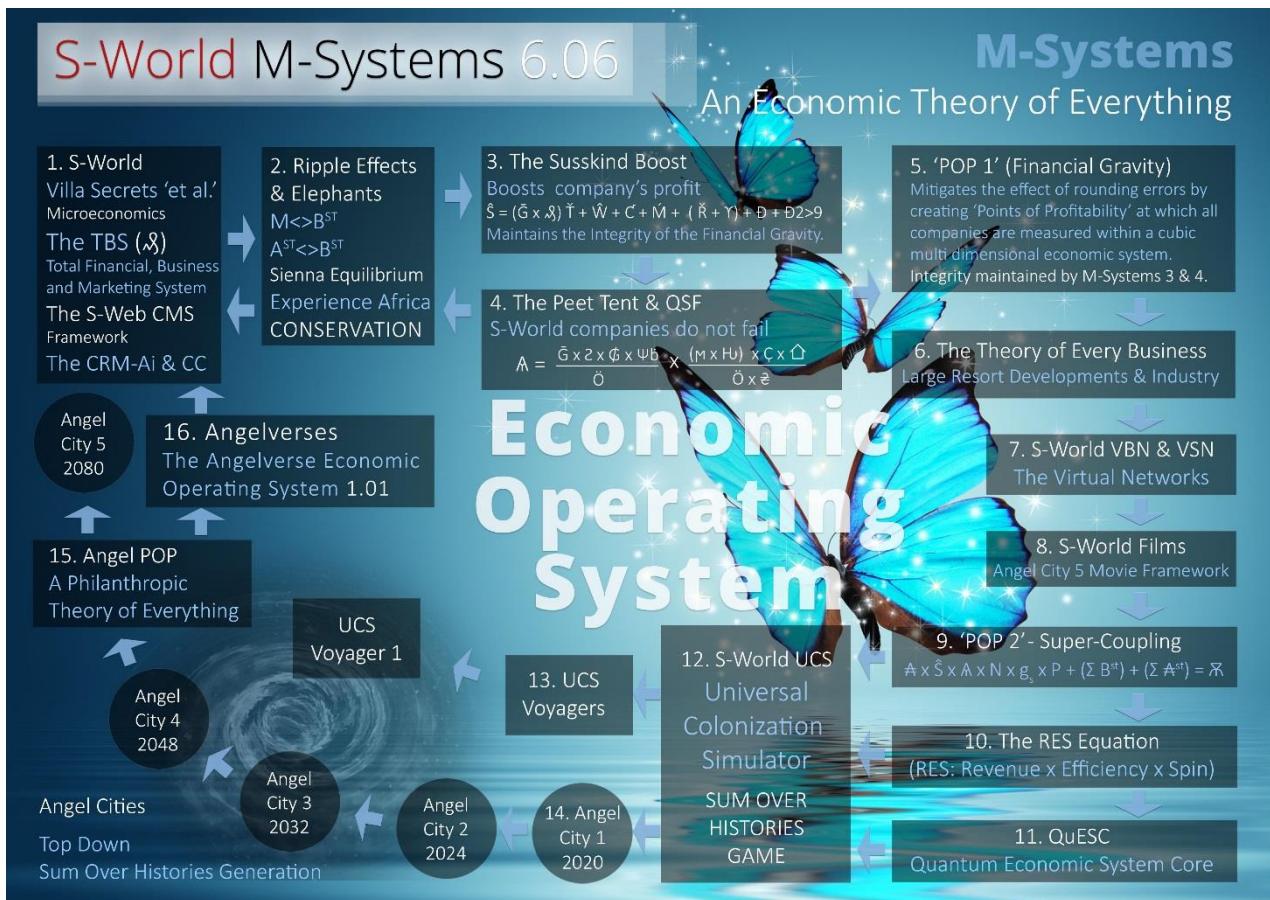


In 2013, I started to create the prototype S-Web product, a web framework designed to be adapted and copied a million times. On the [7th February 2014](#), I started www.VillaSecrets.com, based on the many websites' model and started researching software; which was a long process until on the 19th February 2016, I created a five-hour series of videos that described the [basic business software](#) I required.

However, not long after, I realised that connecting 10 or more items via API to my internal websites CMS was not efficient and had diminishing returns the more 3rd party software you connected. So the decision was made to create all the software ourselves as one system, within the web framework.

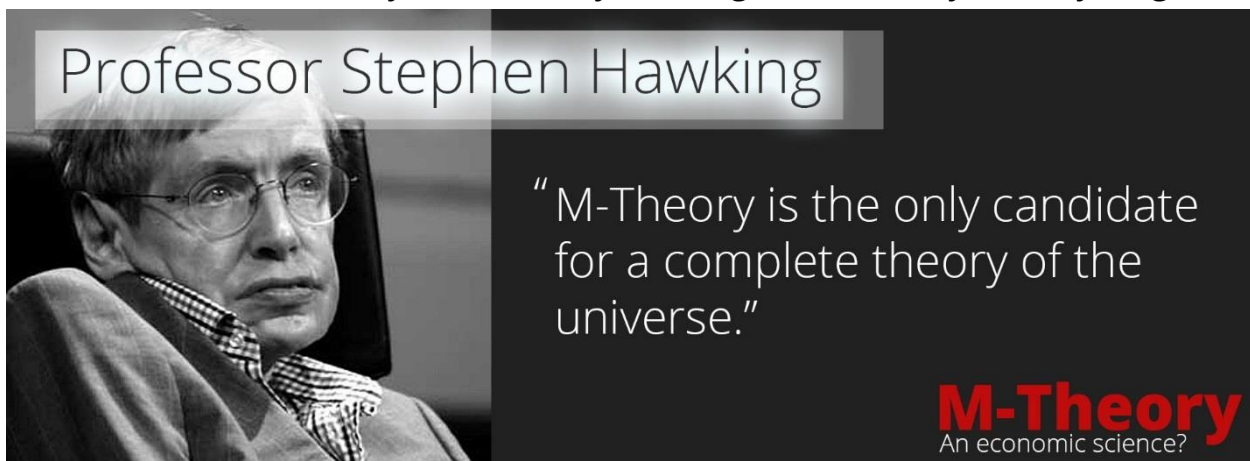
In early 2017, the book 'The Villa Secrets' Secret' was written and Chapters 1 to 10 (see illustration above) are now live on <http://network.villasecrets.com>. These chapters focus on the TBS™ – Total Business Software, the S-World CRM-Nudge Ai, S-World BES™ Observer, and some networking, mandate (inventory), and operational factors.

M-Systems (2016)



I started this graphic on the 26th of May 2016, and it has been developing ever since. Initially, this was a different diagram of the PQS (as seen four pages back). On the 19th of August, it was renamed M-Systems as the framework had a similar feel to M-theory described by Hawking, Witten, Peet, and others.

This graphic is the subject of Book 1. M-Systems which are now an entangled mash of business theory, software and economic theory, derived by analogies and simulations from M-theory, described by Hawking as The Theory of Everything.





The RÉŚ Equation (2012 to 2018)

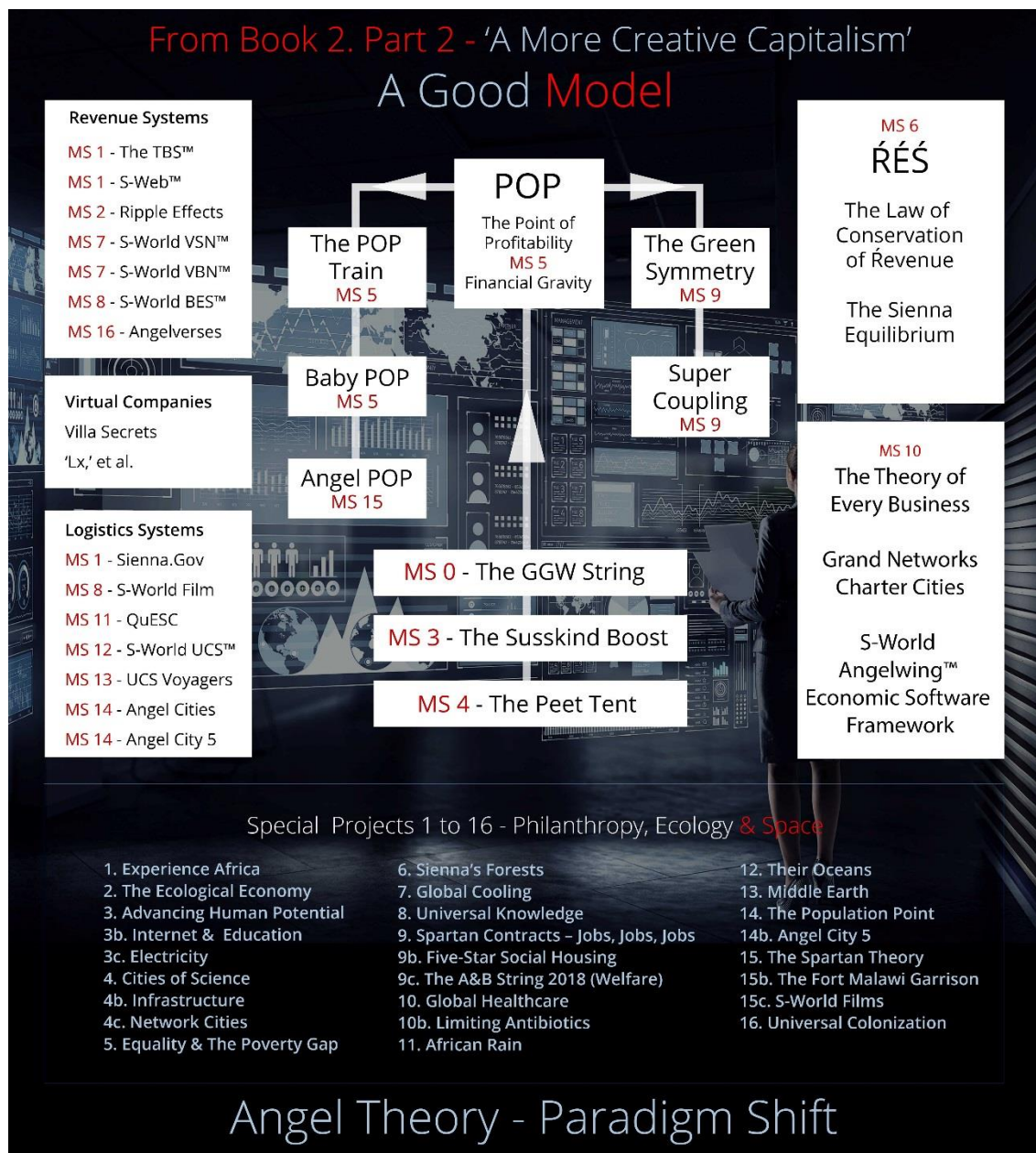


In 2012, the RES Equation was originally a thought about how money will disappear from a network of business but will mostly stay in place in an economy. The answer to the problem was to keep as much money in the network as possible. Which, to be effective, meant tax and a significant percentage of labour would need to be paid in network gift vouchers, which would have an expiry date. Then, one can create rotations of the money within the network within a year. Eight spins, for instance, would see money spent approximately once every 6 weeks. However, because I saw no way the tax situation could work, this idea was shelved, albeit I did create its own M-System 10.



However, whilst doing some SpaceX research and creating the final 2048 destination for the S-World UCS Universal Colonization Simulator Game; I found that because the Mars colony hypothesis, MARS Resort 1, could set its own taxes and pay labour in network credits, RES worked. This was soon after reverse engineered to Malawi and A More Creative Capitalism was built on the back of it.

A More Creative Capitalism - A Good Model (2018)



The graphic above gives an overview of sorts, POP – (Financial Gravity) from Chapter 1 is central. Where after, the integrity of the financial gravity is maintained by the string theory systems: M-System 0. The GGW String (strings are money), M-System 3. The Susskind Boost (boost the weakest), and M-System 4. The Peet Tent (no company can fail).

Surround on the left by revenue systems, logistics systems, and virtual network businesses; and on the right, by ÉRÉS and other systems specific to Growth Theory. Where after, we find the externalities at the bottom, as the 26 ecological, philanthropic or complexity saving special projects from Angel City 5.

S-World Angelwing (2018)



This brings us to date; and above, we see the November 2018 update to the M-Systems graphic.

Growth Theory Externalities



By Nick Ray Ball 10th November 2018

In the language of modern economists, 'externalities' are unintended consequences or effects of an action that was not the point of the exercise. There are many bad externalities; the plastic in our oceans is an externality of trade. No one puts any plastic in the oceans on purpose, but they say soon that there will be more plastic than fish. Climate change is another externality. No one drives from 'a' to 'b,' or powers a factory to increase the carbon in the atmosphere, but it happens. And I could write a whole book on bad externalities.

But there can also be good externalities. When a country is chosen to host the World Cup, that country is elevated on the world stage and is visited far more often. And the people have something to look forward to, more hope. Hope that they might win, but also just hope for a better future. Plus, the country is under the spotlight; which, in *Poor Economics*, Abhijit V. Banerjee and Esther Duflo are clear about observation lowering corruption.



Angel City 5 Special Projects

By Nick Ray Ball 17th November 2018

On S-World's 8th birthday, the 24th November 2017, as a part of the M-Systems (Book 1) presentation, following on from M-System 14. Angel Cities, which is a time in the future (2080) to which to simulate; I expanded upon the Special Projects from American Butterfly, throwing out some of the less practical projects and adding new ones, to make 16 special projects which set out as the Angel City 5 (Earth in 2080) objectives, see www.angeltheory.org/Angel-City-5-Special-Projects.



At this point, I had presented the intention; but Special Project 1 aside, I did not have a clear set of externalities, rather a clear set of objectives.

However, the other work completed on the 24th of November 2017, including Book 1. M-Systems www.angeltheory.org/M-Systems and what is now the backstory to Book 2. An Economic Theory of Everything www.angeltheory.org/An-Economic-Theory-of-Everything moved the project from abstract work that favoured theoretical physics inspirations. First, to practical work that called on economics from the world's brightest sources; including Thaler, Romer, Krugman, Rodrik, Stiglitz, Piketty, Moss, Collier, Tirole, Acemoglu, Robinson, Banerjee, Duflo, Shiller, Schonberger, Pettis, and Smith.

The first economic work was Book 3. The GDP Game, which developed quickly until the breakthrough Chapter 14. Ripple Effects and Elephants (for Paul G Allen) www.angeltheory.org/Ripple-Effects-and-Elephants; which added the externalities to the 16 Angel City 5 Special Projects, by showing that each Special Project, (when created in a location in extreme poverty) was created as a ripple effect of the Growth Theory Start-Up and Charter City design (The Theory of Every Business). And in addition, a further 10 special projects were added.

Book 3. The GDP Game

Chapter 14

By Nick Ray Ball 30th January 2018



Ripple Effects and Elephants

An Ecological and Philanthropic Theory of Everything... plus Space.

www.angeltheory.org/Ripple-Effects-and-Elephants

This then became the why or (in fact) 26 reasons why the world should get involved, and prompted the extension of Book 2 into '[A More Creative Capital](#)'; which added the economics to the software, chaos and M-theory inspired framework, to create one coherent work.

Since 30th January 2018, 'A More Creative Capitalism' has been added to by excerpts and insights from about the 20 most appropriate books one can buy on economics; including 5 Nobel Prize-winning authors. And there should be no doubt that, if one thinks the idea of growth theory (how we create long-term sustained and sustainable economic growth) in terms of technology, Start-Up or Charter Cities as 2018 Nobel winner Paul Romer focuses; or growth theory in terms of 'for integrating climate change into long-run macroeconomic analysis' as is the focus of co-2018 Nobel winner William D. Nordhaus; then this work is at the least complimentary and deserves an audience. But before I have that conversation, it would be useful to have proved, adapted, or thrown out the primary piece of financial engineering, the high-octane RÉÉS Equation.

High-Octane Financial Engineering

The Burning Question?

The RÉŚ Equation

My current burning question concerns the RÉŚ Equation, from A More Creative Capitalism Chapter 4. www.angeltheory.org/The-RES-Equation.

RÉŚ is economically similar to a high-octane fuel such as nitrous oxide, where the vehicle is perfectly adequate for the journey and will get there in good time. However, add the nitrous oxide to the fuel and one can arrive a lot faster. And if there was a race, unless others had their high-octane financial engineering, S-World would arrive well before the others.

Of course, in an essay that later suggests that fuel-burning cars will not be welcome in our future cities and has over 10 ecological projects, it's not a good moral example, but it makes the point. The bulk of this chapter was created in January 2018, before the RÉŚ Equation was fully researched. The book, A More Creative Capitalism, will stand tall on its software, Charter City plans, and its externalities. But if we can use or adapt the RÉŚ Equation, we will arrive a lot faster and with almost absolute certainty. (Noting that in quantum mechanics, there is always a very small amount of uncertainty, so writing in absolute certainty is not allowed.)



I had hoped to have this problem solved before writing this chapter; and have approached, so far, 8 worthy economists without reply. And whilst this could be an indicator that there is indeed a problem with the math, I think it's more a case of people being very busy, and myself not being pushy enough.

So, for now, except in places where I specifically mention RES, the following are the externalities created by the project, not including RES.

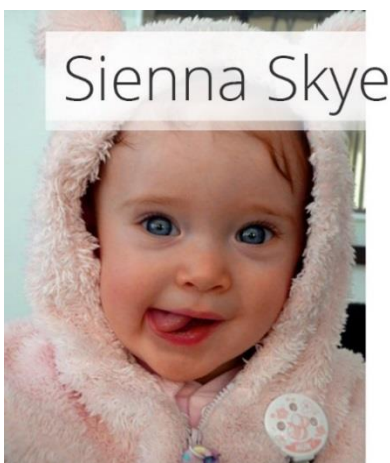
My Reason Why

S-World - Sienna's World

Before we look at the forty-something reasons why the world should get behind the S-World Network hypothesis, it may be best to explain my reason for writing it in the first place.

Sadly, my motivation is based on a promise I made to help others, after losing my darling daughter Sienna Skye to an unknown neurological disease on the 1st August 2010. My first reaction was not to try to save the world, in fact, I was in denial for some time, and joined my local MMA gym and a class far too advanced for me. But no one minded because they knew why I was there. But after a few months, my back went, and that was the end of that. So I started to write out the global network/business plan I had been piecing together for many years in the hope of joining Richard Branson's VIRGIN group, www.s-world.biz/Virgin-Business-Plan-2011. And in March 2011, I presented it to Virgin Brands South Africa; and about a month later, it was accepted to be presented to the London Committee.

All good so far, especially as I was rather broke at the time, then the mist of denial cleared. And for the first time in my life, having been brought up as an atheist, I felt spirituality. And I remembered my promise to Sienna (well, in fact, to Sienna's mother, as best I recall) to help others. And I remembered a story of how Bill Gates created a more efficient (teach a woman to fish) type of charity/foundation to better distribute his wealth and read about the many ecological initiatives VIRGIN was undertaking and decided to use my (Virgin) Global Network plan (which was, in any case, showing gigantic financial opportunities, if the network could expand into all industries) for the common good. Soon after, I wrote a movie script, 'The Sienna Projects,' in which my darling Sienna somehow communicates a more efficient software-based economic system from across the heavens. Where after, she went on to save the entire universe from the "evil eye."



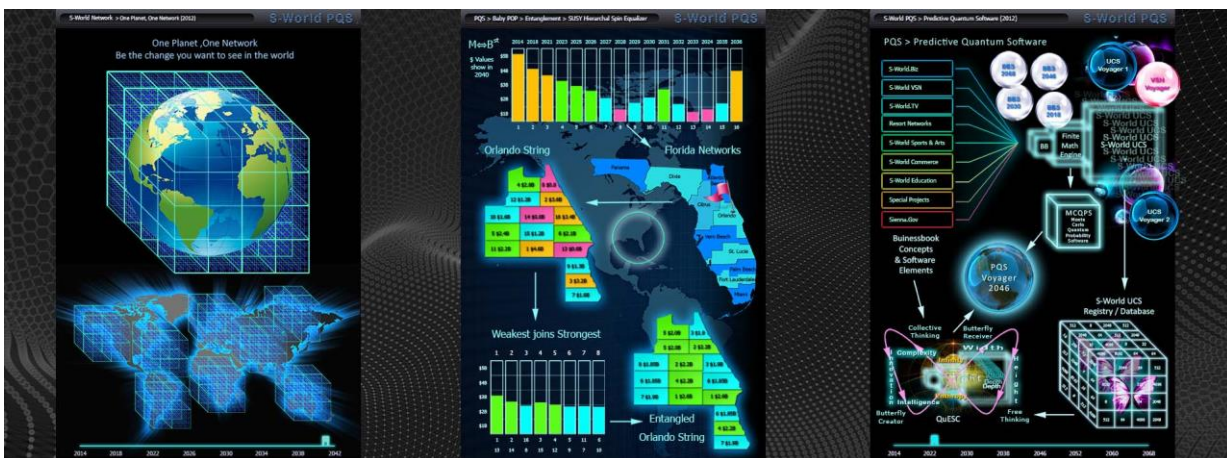
A few days later, I had a series of eureka moments and added a Virtual World (my specialist subject 2000 to 2004) to the economic software framework. And so, S-World was born, short for 'Sienna's World,' a virtual world that mirrors our own; in which if one was very lucky, one may catch a glimpse of Sienna as an Angel shining a light on and helping those in need.

This virtual world is now S-World VSN™ - Virtual Social Network (Angel Theory – Paradigm Shift Book 5) and it is the glue that connects all other books and chapters; albeit built upon business software and financial engineering way in advance of other designs.

At that point, in early April 2011, I had in my head something way larger than my intelligence should have been capable of. But as I was under a spiritual enchantment, which I guess is not too dissimilar to that of believing in God, which is quite common; but instead of God, I believed my movie script. I believed my darling daughter was for some reason providing me, or maybe better put, inspiring me to 'just get on with it,' so I did. I started with 100 questions and answers about S-World the Virtual World. And not long after, stumbled onto chaos and string theory. And, in no time at all (albeit unwittingly assisted by Mark Zuckerberg), I created POP – Financial Gravity from Chapter 1; which was a system of counting that was impervious to rounding errors. A couple more months and this idea, alongside the virtual network and the software and the first Start-Up Charter City, New Sparta – City of Science was written:

www.s-world.biz/New-Sparta-2011.

Where after, I started to seek inspiration from quantum mechanics and string theory (again, brand new subjects, working at a level of intelligence way over my history). But as I was spiritually inspired and had already bested the world twice, once with my Flash virtual tour in 2002 and once with my rounding errors solution, I just went with it. And in April 2012, started American Butterfly which I described earlier.



But near the middle of 2013, maybe because of Cambridge DAMPT and a few others who have seen my work and were uninterested or maybe for other reasons, I lost my

faith. And it was horrible. And by 2015, I was quite ill, believed that all my work was of no consequence, and focused on the development and microeconomic side of the network; which was in any case necessary, even if it was not much fun.

This spiritual emptiness lasted until the end of 2015 when I started work on Experience Africa; which we will see soon see as the first of the forty-something special projects. A loss leader which would use the technology developed for the Vacation Rentals industry and Villa Secrets for the safari industry; but with much of the income diverted to protecting Africa's Elephants and Rhinos. Which in turn led me to Microsoft co-founder Paul G Allen and two simple words on his website that brought back my magic cloak of spirituality and my confidence in the bigger picture.

Those two words were 'ripple effects'; or more precisely, 'We seek technology ideas and concepts that create ripple effects.' Which of course brought me back to American Butterfly; as this very title, 'American Butterfly,' described ripple effects.

A few months later, I came up with the Peet Tent (M-System 4). And soon after, the PQS was rewritten as M-Systems, and I was on my way again. But this time with a microeconomic strategy that fitted neatly with the macroeconomics of New Sparta and the Florida Network.

Angel Theory

Shortly after creating the Peet Tent, I started looking at a lot more string theory, and I remembered that it is theoretically possible for gravity to seep between multiple universes; and that an advanced civilization may be able to communicate with us in some way.

Then, in mid-2016, I explained this to Caitlin (Sienna's mother) and suggested that because the being/beings who could communicate in this way would be able to answer almost any questions one could ask, they may be considered as Gods or God. And the individuals who send the messages could be called angels. Caitlin liked this insight almost as much as I did, so I registered the domain name www.AngelTheory.org and started to build the S-World Network hypothesis upon it. I can't, at this point, say with complete certainty if the high-octane financial engineering of the RES Equation will be able to accelerate the process, although I expect it can. But I am certain that this plan is the best plan on the table for growth theory in Africa and other impoverished countries.

It will, of course, be improved by merging it with the work by Romer, Gates, Musk, and others. But it will be the foundation, the software, the Charter City design, the financial engineering that will take Africa out of the economic doldrums; and if it was, can use

the high-octane financial engineering of RES, then very rapidly.

There are, for me, 2 key objectives. Firstly, to stop Africa from becoming the next generation of carbon emitters. Secondly, to bring the first world institutions and wealth so that, like Europe and the USA, the population rates flatline. Both are critical to the future of our planet.

However, I cannot be certain that my own bias, or even my father's, is not contorting this objective. And for that reason, we do not have 2 special projects, we have close to 50 so far.

As of this moment, on the 18th November 2018, I am six days away from what would be Sienna's 9th birthday. And despite a setback in communications, which looks like I will not have an opinion on the high-octane RES Equation before I complete this chapter for the 24th; but other than that, I'm very happy with the hypothesis. The weakest point is now actually its strongest. As I explained earlier, S-World VSN and its extension, S-World UVC, are the big difference in software, and there is little written about them ready for presentation. But that's largely because they were already solid concepts and did not need the analysis relative to the economics.

One point I will make about S-World VSN is from both Professor James Gates and Professor Stephen Hawking; whose simulation theories suggest that maybe we are ourselves someone else's simulation. And because of this insight, I wish to continue the trajectory whilst others would look up and try to find markers that prove we are someone else's simulations; like say, finding a computer code written into the fabric of our universe (M-theory) which Professor Gates found and published in June 2010. However, I am oddly not concerned about this, instead, I have a great desire to continue the trajectory to see if we can match this technology (if it exists at all) and create our own simulated universe. A simulated universe inside another, and probably inside another, and so on. I can't tell you why I want to do this. I can't make much sense of it. It's just a feeling. And, of course, in what is sure to be a titanic battle for the future of virtual reality, particularly when they can submerge it into a dream state. The idea that our Virtual World S-World VSN is not a game or toy but an attempt to create an entire universe is quite the hook. And who knows what could pop out?

46 Reason Why

And so, without further ado, let's begin the growth theory externalities, the ripple effects of the S-World Network hypothesis.

