

ABSTRACT.

All sciences: A) Obtain sound data; B) Fit on cyclical, mathematical patterns, used to predict the events of its species, by projecting those cycles into the future; C) Explained with logic, objective, non-anthropomorphic models of reality; D) That help to control those cycles for the benefit of Man.

This work applies the 4 tenants of the Scientific method to develop a biologic, systemic model of the eco(nomic)system, based in: A-B-C) The evolutionary patterns of its main products, memes of metal – money, weapons and machines - predicting their future evolution and consequences for Mankind, to find D) solutions to its negative effects and a positive praxis to increase Human Wealth.

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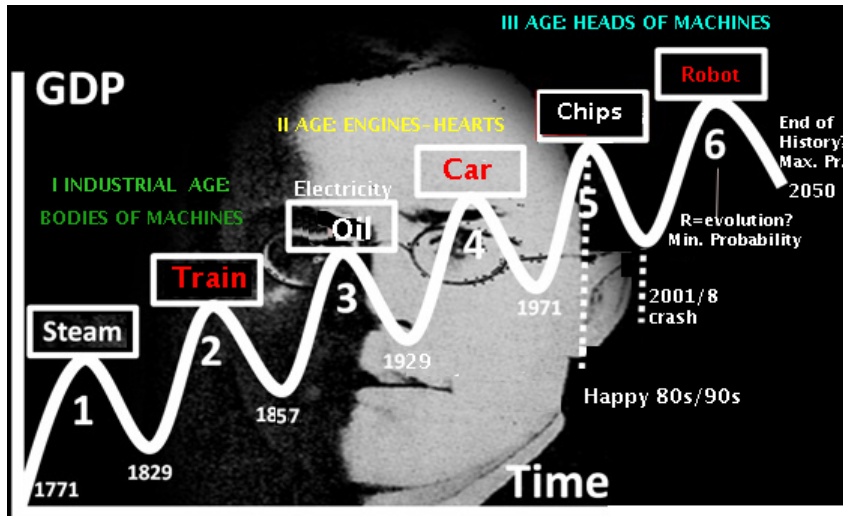
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PROLOGUE: THE KONDRATIEFF CYCLES OF THE INDUSTRIAL R=EVOLUTION.



The Industrial Evolution follows a 72 ± 7 years generational 'Kondratieff' cycle^{1,2} in which a nation discovers a new form of energy (white) applied to the creation of new forms of money, the informative software of the economy and new machines (red), its hardware that become the engine of the Economy till overproduction crashes the market. We suffer the

overproduction crash of chips followed by the robotic cycle that completes the Industrial Evolution.

—Thus, we had an age of steam machines, the age of England, between 1780s and 1857, followed by a crisis of overproduction of steam machines and stock-money that brought the 1857 ± 7 years crashes of the train-based economy, the Colonial age of war and the British Empire.

—From 1857 to 1929, we lived the age of electro-chemical energies, machines and chemistry, discovered by Germany, followed by the 1929 crisis of overproduction of cars and radios, 72 years later, transformed into hate-radio and armored cars= tanks by the III Reich that brought II W.W.

—It came then from 1929-2001, the US age, the cycle of electronic machines, e-money, Digital weapons and audiovisual media, ended $72 + 7$ years after 1929 with the overproduction crashes of chips and e-money in 2001-08 (dotcom, derivatives) followed by an age of drones & cyber wars.

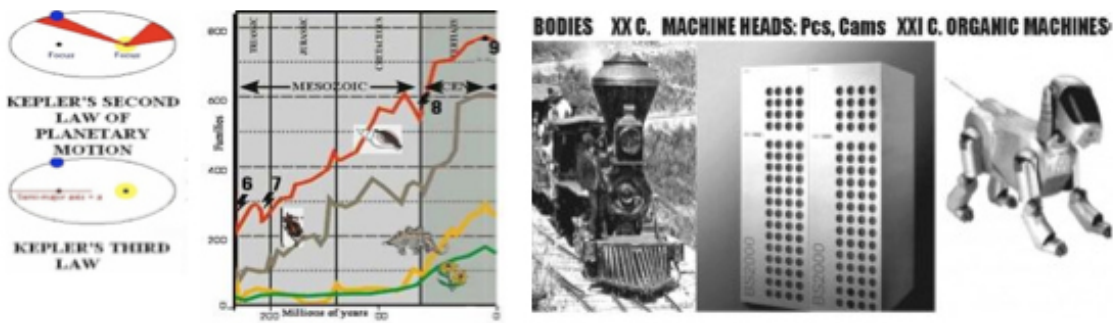
Now the 1st robots evolve as weapons. So we predict the IV & last cycle of the Industrial Evolution:

- The Age of the Singularity dominated by robots, solar Industries & China. Scientists call the arrival of Artificial Intelligence, the Singularity moment. Then autonomous robots using solar energy will complete the evolution of machines as organisms, automating factories & expelling human workers and soldiers from labor and war fields, unless we forbid legally their evolution. Money will be the informative, digital genetic code that organizes their reproduction in automated company-mothers.

In systems science we define all type of realities as complementary systems made of networks of cellular energy and information: ExI, particles/heads of information that guide fields/bodies of energy. Reality evolves similar energy quanta and information bits and then put together parts into wholes, organic systems. The 4 type of industrial machines, systems that print money and information, tool machines and weapons form together the Financial-Media (Informative)/Military-Industrial (Energetic) eco(nomic)system (abb. FMMI), a global super organism⁰, that is terraforming the planet from a life Ecosystem, Gaia and a Human Ecosystem (History) into an ecosystem of metal-memes⁰, making humans obsolete. Since the consequence of that overproduction is the destruction of the human system (government's money, human information and ethic values, life and jobs).

Thus the crisis is not a recession but a depression, caused by the overproduction of electronic machines and its derivatives, similar to the 1929 crash, caused by the overproduction of electro-mechanical engines that printed too much money (ticker speculation), automated production systems, halving factories' workforce (Taylorism, moving assembly lines) and saturated markets for cars and radios. So companies reconverted them into armored cars (tanks) and lobbied warmonger politicians, (Hitler), who used hate-radio speeches to embark the world into W.W.II.

1. OVERPRODUCTION CRISES: THE FINANCIAL-MEDIA/MILITARY-INDUSTRIAL SYSTEM



Left: Astronomy became a science when Kepler predicted future planetary orbits according to A) Sound Data and B) Past cycles. Center: Biology became a science when Darwin A-B) tabulated the cycles of extinction of species and C) explained its evolution, according to its top predator force based in the strength and morphology of their energetic bodies and informative heads. Right: Economics becomes science when it A-B) tabulates industrial cycles, predicting the extinction of simpler machines and weaker humans in the FMMI eco(nomic)system, in labor and war fields... C) According to Biologic Laws: The Industrial Evolution is caused by Company-mothers, organisms that re=produce & Evolve 2x2 stocks of Metal Memes by imitating human energy & information organs in metal, creating a Global, Dual, Complementary Super-organism, the FMMI System:

- The informative Financial-Media System that re=produces audiovisual information & metal Money (gold->chips), a 'genetic' language that organizes & selects species in the eco(nomic)system with digital flows of information that value with min. salaries human life and max. price metal memes – hence defining a future in which machines of max. value survive and cheap life becomes extinct.
- The Industrial-Military System that re=produces with hard, energetic metals Machines & weapons. company-mothers multiply machines (overproduction crises), causing positive, symbiotic and negative, predatory, competitive events with rival humans (labor, soldiers).

Thus we define machines as systems of metal that 'company-mothers' evolve by imitating human energetic, body organs (XIX C.) & informative heads (XX C.) now put together into robots (XXI C.), which fusion the bodies, hearts and heads of machines of previous cycles into a new organism 'metallife' - as Nature does with simple organisms, such as viruses that first create its 3 inert 'parts'– its DNA information, body and legs. But then it assembles them together into life beings that kill their host cells. So when humans put together all those organic components into autonomous robots, completing the industrial r=evolution, a new organic species, made of a stronger substance than carbon-life, potentially independent of the humankind will kill us.

Thus an organic model of machines and its company-mothers describes their nature, predicts their evolution, re=production and extinction of rival species (simpler machines and men), as in each cycle the eco(nomic)system selects the best energy & information machines through consumption testing and the best top predator machines (weapons) and cultures attached to them through war. Since a Free Market is an 'Economic ecosystem', regulated by a language of information called money and ruled by company-mothers, whose aim is to re=produce and evolve machines, organisms of metal that imitate & enhance human body/mind information & energy organs, making our ego addict to them but also compete, atrophy and substitute them. As a result Earth becomes terraformed, from a carbon-life ecosystem (Gaia), ruled by human organizations (Governments) & languages (verbal laws) made obsolete by an economic ecosystem (Free Market), dominated by company-mothers, money & machines, which compete and extinguish man in war and labor fields. Thus we study³ the eco(nomic)system⁰, its re=productive & evolutionary cycles, human & metallic species with systemic and evolutionary laws, creating a scientific A-D model with predictive power.



1860s=30s=2010s. The 3 Overproduction crises of the FMMI System: its machines & wars.

In the montage, we can see, separated by 72 years generations, the 3 cycles of overproduction of peaceful machines and money that saturate markets, causing stock-crashes: 1857+7 crashes of train stocks; 1929+7 year crashes of cars and ticker money and 2001-08 crashes of e-money derivatives and chips/robots. Then companies switch overproduction to armored machines (weapons) and informative hate-media, provoking wars for profits.

Thus we study the 2 phases of machines and weapons overproduction separated by crashes:

- Overproduction of working machines & corporate money: In the 1st cycle, trains eliminated most transport job & horses while its stocks soared. In the 20-30s mobile assembly lines threw ½ of the work force, while tickers jacked-up stocks. In the 2000s blue-collar robots automate those assembly lines, while e-money stocks and derivatives multiply the wealth of corporations.
- Yet, since the ultimate goal of corporations is NOT human, they do not reproduce the 'welfare goods' humans need to survive. Thus at the end of each of those Kondratieff cycles, as industrial and financial corporations overproduce fiat money and the machines and weapons of each cycle, in a world of limited resources, they absorb all the wealth of the economy, provoking scarcity on the human side of the Economy, of jobs, wealth and welfare goods humans need to survive, from food to housing, to health-care, to education. So in the 30s, the overproduction of cars and radios and the application of electromechanical engines to assembly lines, meant the loss of millions of jobs and the poverty of humans, while the world was filled with cars, its armed version, tanks used in II W.W. and stock-market speculators became immensely wealthy. Then as social unrest grows, there is overproduction of hate-media printed with the same informative machines that print money (yellow press in the XIX c.; radio-hate in the 1930s and TV-hate in the 2010s), parallel to the overproduction of weapons, (armored transports) that ends in global wars: Colonial wars fought with trains (XIX c.), fascism fought with tanks=armored cars & robotic wars in the 2010s. Poverty grows, as humans loose their jobs to new tool-machines and their wealth to corporations.

Thus this crisis is similar to the overproduction crises of electromechanical machines during the 30s, as each Kondratieff wave of 'memes of metal' applies the new energies to overproduce money, machines, weapons and mass-media, the 4 key machines of the Financial-Media Military-Industrial system, provoking endemic poverty, social crisis, fascism, war & the end of democracies. Now we live a crisis of overproduction of Chips and its derivatives: e-money, hate TV, blue-collar robots and white collar Pcs, which are the real, non-human, objective causes of the crisis:

- 1. There is a crisis of overproduction of electronic money - a new form of money made by computers, and hence related to the evolution of information machines and its technology. Today there are 100 times more money in the world than in 1973, when bankers started to invent e-money for free; changing it for real assets, absorbing all the wealth of the economy and leaving no money for the middle class, human governments and small companies that produce welfare goods. 95% of e-money is today in the hands of corporations. They started to invent e-money in the 80s and brought 2 crises: the dotcom crash of 2001 and the e-money derivative crash of 2008.

Both crises invented so much electronic derivatives and speculative 'prices' that fiat e-money lost all value, crashing the economy. Those crises are similar to the train's stock-paper crashes of the XIX c. and the ticker money crashes of 1929-37.

- 2. There is an overproduction crisis of electronic tool machines, which evolve so fast that now are able to manufacture all type of goods, displacing human workers (overproduction of computers that act as white collar workers and robots that act as blue collar workers, expelling the middle classes out of work, except low-paid 'human robots' in China and IT workers in India that still compete with them). In the first cycle it was the train that ended most transport jobs, the bulk of labor in the XIX c.; then it was the electro-mechanical assembly lines of the 1920s; now we have white-collar pcs and blue-collar robots in the 2000s, which throw from those assembly lines the human workers.

- 3. Transport machines are overproduced, provoking crashes of the physical economy as they remain unsold (train stock crashes after 1857; luxury car crash of 29; cheap cars' crash of 1971; 1991 & 2001 overproduction crashes of Pcs and all kind of chipped electronic machines).

- 4. There is an overproduction crisis of electronic weapons - vigilante cameras and armed robots, drones that watch, control and increasingly kill human beings. They have started a new arm race of enormous profits for the military-industrial complex), as companies shift from making transport/communication devices to making its 'evil twins' weapons (shift to war railroads and hate yellow press in the second half of the XIX c. to hate radio and armored cars=tanks after 29 and to hate-TV and robot terminators after the 2008 crash).

- 5. There is an overproduction crisis of electronic mass-media outlets, which have also switched to hate-speeches as Hitler did with radio, to increase sales and synergies with the profits of war. They are regressing human culture into a visual, violent, selfish age – that we call the 'neo-Paleolithic' culture and the 'neo-fascist' age in politics. They also report positively about the people who run the political and financial system, as media uses the same machines that print money and the same conglomerates own its corporations. Thus economists who propose a humane solution to the crisis (butter instead of canons) have no exposure. Instead corporative economists and neocon politicians rule the system, praise overproduction and ask for the destruction of the human welfare economy and the building of a security, repressive, weapons-based state. They defend 'splendid little wars'⁹ to get out of the crisis with profits. The yellow press in the XIX c. also sponsored the colonial age of wars fought with the surplus trains and steamers that killed 30 million non-technological people; while Hitler's Hate-radio sponsored tank wars in the 30s.

The equations of overproduction: Capitalism maximizes war and minimizes welfare.

Money is a language of digital information that gives orders to workers, consumers, products (with prices) and politicians (lobbies). In systems sciences, we describe all what exists as complementary systems of energy and information: languages stored in heads, particles and informative social castes, politicians and bankers, guide 'blind' fields, bodies and masses of human citizens workers. Thus, a real science of Financial Economics must be based in the description of money as a language that reproduces the goods of the economy, as blood systems do in organisms. As such it runs parallel to the informative system of verbal laws that regulate the actions of the physical body of human cells, citizens of History. But in all complex organisms the nervous system controls the blood system. So, the legal system must control the economy and regulate credit to create a sustainable world that overproduces the welfare goods that all humans need to survive instead of overproducing only metal-memes as corporations do, in search of maximal profits.

So in an efficient, democratic, social system both languages must be controlled by politicians (nationalization of finances) and citizens must receive enough energy - a 'universal salary' - to give 'economic orders' of production of welfare goods and absorb enough 'blood products' to survive.

Indeed, democracies are about people and if people with universal salaries and their governments with deficit had the rights to print money they would spend it on themselves and their survival and needs, creating a paradise on Earth, a world made to the image and likeness of human beings. But we do NOT live in a real democracy or an efficient economic system. We live in a 'capitalist system' in which governments don't print money (Deficit zero laws). Instead financial and industrial corporations invent it and use it to over reproduce & sell 'memes of metal' - money, weapons and machines - to increase profits, regardless of the harm they might cause to humans. So the most over reproduced goods are the most profitable: money (pure profit); tool-machines that increase and lower the costs of reproduction of memes of metal; weapons that are the most expensive machines despite killing human bodies and audiovisual media because they are the cheapest to reproduce, despite atrophying our minds. So those 4 products increase profits and put together in an equation explain the 4 over production crises of capitalism at the end of each Kondratieff cycle:

1.1 *Max. Production (tools) x Max.Price (weapons) – Min. cost (audiovisuals)=Max. profits (Money)*
Thus profits will always be higher in weapons, financial industries, tool machines and media industries, which are the less 'healthy' industries & goods for mankind since weapons kill us; financial companies that overproduce fiat money, ruin us when we exchange real wealth for worthless digital media; tools take our jobs; and mass-media that has the minimal cost of production, as it reproduces simultaneously through electromagnetic waves devolves and programs the human mind with messages. Finally tool-machines that need no salary will also be overproduced causing a crisis of unemployment.

On the other hand a capitalist system based in profits under produce less profitable, welfare goods:

1.2 *Min. Profits=Min. Price (perishable life goods) - Max. Cost (Max. human job x max. labor hours)*
Most goods of min. price in monetary values are goods of the human, welfare sector that have higher costs because they use costly human workers. For example, food is perishable and cheap but costly, as it requires time and human labor. Thus it is systematically under produced, reason why 1 billion humans are hungry. So it is basic health-care & education that require many human job hours to cure the sick or educate a human; while machines replicate very fast, so production is high and use other machines always cheaper to maintain than human labor. These equations prove several facts: That capitalism systematically fails to reproduce the goods we need to survive (welfare goods). That it increases unemployment displacing workers with tools. That it overproduces top predator weapons that consume humans in wars. That it degrades human minds with audiovisual trash and only profits the 1% of owners of corporations, for whom the system caters. While the cheapest goods of lesser sale profits that use more costly human labor, the goods of the welfare state that make us survive will be systematically under produced. So a *healthy, wealthy, demand-based, sustainable economic system must nationalize the financial industry*. Since capitalism is from the perspective of 'Human WHealth' the worst possible system. So today paradoxically as electronic machines and corporative profits multiply the 'rival' human wealth in life goods, human jobs, peace, freedom and true information disappear. And the result of the crisis is the same than the previous ages of overproduction: the dominance of corporations over all the political, economical and cultural elements of society, which ends in this cycle the American dream of an egalitarian, humane society, based in the welfare, human goods we need to survive, be happy and evolve, within a just society with jobs and opportunities for all men.

2. 'ISSUE OF MONEY': FINANCIAL CRISIS.1929=2008: OVERPRODUCTION OF E-MONEY

Money is a language of digital information that values metal more than life.



How governments and corporations invent money? Money is a language of digital information that values with numbers humans (with salaries) and products (with prices),

easy to reproduce in papers or digital screens, as all languages of information are. Since to reproduce languages we need minimal energy. In the graph, money has evolved according to the laws of all languages, diminishing its energy/size and increasing its speed of reproduction; hence increasing its capacity to carry information and value more things: first as metal, it became quantized into smaller bits of information that required less energy=substance and increased its units, as coins. Then it evolved from precious metals into printed-paper, then into electric data and electronic bits, invented with a computer program. Finally it has become with Internet just a digital flow of information in computer brains that control today the economic ecosystem with a 'digital mind', moving at light speed and with a null cost reproduction. Thus today money is so abundant that it values all entities on Earth, replacing human verbal thought, a language with lesser capacity to carry information than numbers, still divided into multiple tribal species with different languages. So those who invent money have become today the global caste of linguistic power that substitutes politicians and priests who controlled societies with verbal, ethic laws and its values. This means a change of 'goals' and values in the planet at large, and a change of the 'favorite' species on this planet, Since what matters about languages are their power to order and select reality according to *the subjective, cultural values* of those who invent it, but specially – and this is grossly overlooked – according to the objective values of *their substances which are always preferred*. So words, our biological language, values reality from a human point of view, directing human actions to reproduce valuable human life, as genes direct biologic actions to reproduce life molecules:

Universal Ecosystem	Carbon-life ecosystem	Historic -Ethic ecosystems	Animals, Art: visual ecosystem	Economic-Antiethic Ecosystems: metal
+: survival	Pleasure, Food, Reproduction.	Good: social love	Beautiful: e=t harmony	Expensive: gold & Weapon&Machine
-: extinction	Pain-Hunter-Death	Evil: war, go(l)d And weapons.	Ugly: death , social decay	Cheap: life, Nature
Language of Existence	Chemistry	Wor(l)ds	Light	Money

The graph, shows how languages value species according to their substance 's affinity. So ethic words give max. value to human life, since men reproduce

them; while money made of metal, (coins) gave max. value to metal weapons, reproducing them). So, before the industrial revolution armies used 70% of metal-money ('pecunia bellum nervi'). Then it became paper or e-money representing corporations (stocks); so it gives companies a huge value. Thus Apple is worth more than all the people of Pakistan. Only currency, representing nations carries human values and can be used to reproduce a world to our likeness, spent by governments in the creation of salaries and welfare goods. Thus the type of money, its values and who invents it; matters, since it defines not only who rule societies but what societies care for and reproduce. The problem of monetary values as the graph shows is the fact that in its metallic forms, it values more corporations, machines and weapons, metal-memes than any other object, including human beings, who in fact as all forms of life have null values in terms of metallic money. Thus a capitalist society directed by classic economics, based in the values of metal-money either gold or corporative money, fosters the overproduction cycles of machines and weapons that cause wars and the extinction of life; showing the biological, predatory nature of selfish metal memes, which act as genes do, catalyzing the reproduction of a larger super-organism – the financial-media/Military-industrial system that is terraforming the Earth from a planet of life into a planet made to the image of machines and weapons that substitute and kill man. Only if human

governments control money, we can bend its values to credit a life-based welfare world made to the image and likeness of man.

We humans use 3 languages of social power, money, weapons and laws, and those who invent them control societies. The control of those languages of social power, means according to the natural structure of all social organisms divided into a 'neuronal/informative class' and a reproductive/working body that obeys blindly the messages of the languages and its neuronal people-castes the control of human societies. So priests and politicians control verbal, ethic societies. Bankers who monopolize credit control capitalist societies and the military that controls weapons controls dictatorships. When weapons dominate the other 2 languages we live in a military dictatorship. When money dominates, issued by non-elected bankers or corporations we live in a corporative dictatorship, the definition of a capitalist society, which is incompatible with a true democracy, in which laws dominate the other 2 languages. But why is better a society controlled by words? Because of the previous laws of affinity, which are 'logically' expressed in the fact that each language has a 'different' Universal Grammar that favors with its values its 'objective substance' by comparing it with other species with a certain 'grammatical bias'. Indeed, it is all in the grammar of the language. So human history can be understood as a fight among 3 grammars:

- The Ethic grammar of words that makes of man the center of creation, writes (Chomsky)⁵:

2.1 Man (informative subject and center) > Verb (action of man over) > Object (energy of man).

- The Digital Grammar of money that compares workers' salary with the price of tools:

2.2 Man's work (salary-action) \leq money (desired subject) \leq Tool-Machine (action-price).

Since as Machines keep evolving and workers do not, human price-salary on the long run will be higher to the cost of machines, as the productivity of capital increases (eq.3.1), unless our educational skills grow more than productivity, our 'productivity' as workers will become inferior, and companies will eliminate the bulk of men with simple jobs (Tinbergen). Yet the law of affinity means machines are better suited to reproduce machines. So factories, when ruled by monetary values, sooner or later substitute workers for machines, once their evolution achieves the best form to develop a certain job. So neoclassic economists for 'whom money is always right' – the invisible hand of go(l)d' - like Adam Smith or Ricardo (7) preach a 'subsistence salary', just what people need to survive, to increase corporative profits, or even less, an 'iron salary', equivalent to the price of the tool-machine that can replace them. While humanist economists (Sismondi, Marx) affirmed that ethic laws should control profits and impose a minimal salary that valued human labor higher.

- Finally military grammar compares in battles the strength of iron weapons, the strongest atom of the Cosmos, with the strength of human flesh of weaker carbon atoms. So men are always inferior:

2.3 Weapon > Darwinian fight (action) > Man (Corpse). Since weapons always win and kill men. But since weapons are the most expensive, profitable machines, a capitalist system systematically makes wars and as weapons productivity grows it *will finally extinguish humanity* (Eq.5.1,2,3).

This means that only a society in which ethic words, laws are the top predator language that commands the other two can be a democracy. Only when laws control the 2 other languages of energetic metal (weapons) and informative money, we talk of a society made to the image and likeness of man, and only when the 'informative heads' of the society, politicians, are chosen by the people we talk of Democracies. Thus the invention and control of those 3 languages of power is the battle of mankind for freedom. But we do NOT live in a democracy but in a capitalist eco(nomic)system ruled by corporations and their search for profits. We lived most of the XX century in a mixed, capitalist democracy, in which the issue of money was shared by governments that printed currency and corporations that printed stock-paper; till with the discovery of e-money, in the 70s, much easier to reproduce than currency, corporations one hundred-folded the amount of money in their power, becoming the dominant institution on Earth. Then they fought for absolute

power, lobbying to forbid governments their sovereign right to print money for free (deficit zero law) to pay for the welfare goods people demand. It is the real origin of the present debt crisis, as now governments are obliged to extort citizens with taxes to pay their welfare state or have to borrow it from financial corporations that unlike them, do have legal privileges to invent money as 'digital prices' in stock-markets (shares) and electronic screens (derivatives) and pay them usury interest. And this state of affairs has happened in modern history 3 times, when corporations invented a new form of reproducing money with new informative machines, overpowering governments with it:

- In the colonial age of overproduction of stock-paper by train and steam corporations.
- In the fascist age of overproduction of ticker-paper by cars=tanks and radio corporations.
- In this crisis of overproduction of e-money by chips for electronic and financial corporations.

In those 3 ages as corporations monopolized the issue of new money, they invested massively in the overproduction of memes of metal of higher profits, provoking the parallel underproduction of welfare, life-based goods of lower profits (Eq.1.1,1.2) which require costly human labor and are perishable (food), having lesser monetary 'value', despite having higher value in verbal terms. And so only governments credit with currency deficit. The same happened in the III cycle of e-money, causing the astounding 5 trillions wasted in dotcom companies. Then with that money – for example the 100 billions given to Facebook – those worthless Internet companies multiply their industrial products without limit. But welfare companies limited in size and profits do not have access to stock markets that invent money mostly for the machines of the FMMI Complex (Eq.1.1) tool machines, weapons, audiovisual software and machines that make money.

Now consider that, small welfare companies could print 'monetary orders' to pay their workers and make life goods. There would be overproduction of welfare goods most people demand to survive as credit flew to agricultural companies, hospitals that save lives or Universities that pay professors to educate humans. People would have easy access to health-care, education, housing, and food. Prices of welfare goods would plummet and global scarcity of food (1 billion people are hungry), medicines, jobs, education, housing, etc. would end. So to end the crisis of labor and welfare capitalism – the monopoly of the issue of money by stock-corporations – must end. And democracy must start. People must control the language of social power. Credit must return to the people who demand welfare goods, giving them a universal salary, to governments that subvention welfare (with deficits) and to small welfare corporations that reproduce them. Instead because only bankers and industrial corporations issue financial orders there is overproduction of electronic money, drones and worker-robots. Thus, in Democratic R=evolutions, (US vs. UK Companies; French vs. Aristocrats) people seized the issue of money from castes of warriors, bankers or corporations to print huge sums of currency (continentals, greenbacks, assignats) to create welfare for all citizens.

Free Market invention of money: The 3 boom & bust cycles of the Industrial age. Debt Wars.

But as if the hidden values of greed, 'the invisible hand of go(l)d' in which classic economist believe, were not bad enough, the boom and bust cycle financial corporations, moved only by greed, have used to invent money with new machines in the 3 Industrial cycles is even worse.

From a technical & political perspective the process starts with the invention of a new machine that prints money and breaks the balance between 'democracy' (the issue of money by governments in currency) and 'capitalism' (the issue of the new forms of digital money with machines), tilting it in favor of corporations that awash with new fiat money buy politicians, pass deficit zero laws and steal the privilege of inventing money from the people. Then they switch the purpose of issuing money from paying the welfare goods people demand, create jobs, foster consumption and promote the production of those goods, into maximizing profits overproducing the FMMI machines: tools, hate-media, fiat money kept for themselves & weapons, promoting warmonger politicians to

provoke a massive demand for weapons, hate-media, debt-money and profits.

In sequential order, the 4 capitalist ages of issue of private money to increase the profits of the Financial-Media/Military-Industrial Complex are: the Age of slave companies, train stocks, ticker money and e-money. The boom & bust process of debt-money and war for profits was the same:

- This cycle first happened in the Age of Gunboat Companies of Slaves in Britain after private moneylenders *got from corrupted and clueless politicians a monopolistic charter to issue British money. Then they* founded the Bank of England that printed paper-pounds lent to Crown at 6% of interest; exactly what the ECB - whose charter was invented by private 'expert' bankers in Brussels' - has done now in Europe, achieving the monopoly of printing the sovereign money of Euro nations, which they give *only to private banks at 0% interest that in turn* lent it to southern European states at an usury 6%, rate called in Spain 'Prima de Riesgo', which absorbs the 3% of its GDP cancelling any economic growth. Next the Crown raised taxes to pay debt, especially in the American colonies, despised by the British elite, as the PIIGs nations (nicknamed by a racist Frankfurt banker) whose life-art based culture produce mainly goods of the welfare state (Portugal, Italy, Ireland, Greece & Spain) do; as they are now ECB colonies. And so they have the lowest rate of growth in the entire planet. Since *unlike machine-based nations like Germany whose corporations print money for free in stock markets welfare companies do NOT have stock-credit.*

In the Company Age this was also the case. Only slave, gold and colonial gunboat companies could raise the other type of paper money besides Pounds, stock-paper. Soon the Bank debt-money was used just to back speculation in those companies, NOT to create real wealth, as now the money printed by the ECB bank and Fed is use only to rise the Dow to new records not to create a Global New Deal. But return profits were dwindled as the best colonial lands had been taken. So a series of bubbles, the South-Sea company bubble in Britain and the Louisiana Company bubble in France, where a Scot, Mr. Law had sold the same scheme, exploded, as the financiers had sold out the worthless fiat stocks at stratospheric prices into the middle classes of both kingdoms and left the market sink no longer issuing mountains of speculative paper-money. They did the same in the 29 crash and the 2001 crash of worthless dotcom stocks and the 2008 mortgage crash, once they exited the market, after expanding credit to the middle classes. 'When my boot-cleaner talks stocks is time to exist the market' said Joseph Kennedy. To that aim the synergy of the media owned or corrupted by financial groups is essential. So financial media kept rating dotcom companies and CDOs as AAA value, while Goldman exited and emails said they were 'piece of junk' and the press during the XVIII c. insisted that in Louisiana and the Patagonia there were huge gold mines. In both kingdoms the politicians of the age, the kings and aristocrats were greased with huge returns and redemption of shares at maximal price. But when the bubble exploded the outcome was different: in France it sparked the French Revolution that tumbled the 'ancien regime'. In Britain the king's court condoned the financiers establishing the Anglo-Saxon capitalist system in which financial crimes are never punished to ensure they will happen again. As England's Capitalist democracy was a banking dictatorship, similar to the one established by VOC in Amsterdam, founded in the 'Glorious Revolution' of 1688 by Dutch financiers, who during the French invasion, bought the Parliament for the Dutch king with the money of the Amsterdam Bank, and established the Private Bank of England and the stock-market in the City, their own 'kingdom within the kingdom', with his own taxes, where the king cannot enter without the permit of its major and MP, traditionally of the House of Rothschild, who said: *'Let me issue and control the Nation's money and I care not who makes its laws; what puppet is placed upon the throne of England. The man who controls Britain's money supply controls the British Empire and I control the British money supply.'* Then corrupted politicians to the payroll of the Private Bank of England, that usurped

as the ECB has done the name of the nation to be accepted by the people, soon embarked in permanent wars to increase *state* debt, and the 6% of 'free profits' for printing the British money. Those wars raised taxes for the commoner of England and provoked enormous suffering to all cultures on Earth, colonized by British, but the mirage of Empire and racial superiority maintained the British people till today, a happy subject of City Financiers, as it does today with Americans and Wall Street. But in the XVIII C. Americans were more enlightened and so they rebelled when Franklin failed to convince the Crown to abolish the system. Then he ran his press to create a 'free' Financial-media system and started to print colonial money and pamphlets explaining the 'issue' of money, true cause of the American R=evolution. But soon after the Independence, Americans lost that freedom 'again', when Mr. Winthrop, a Calvinist bishop, Mr. Morris and associates, Jewish merchants, Mr. Gerard, the biggest slave trader and Mr. Hamilton, a corrupted politico took away from the right to issue debt-free money, from the founding 'peasant fathers', the plantation owners, Jefferson & Washington, who did not understand yet there is no democracy without the issue of bills of law and bills of money to implement them, by their elected governments. It was the birth of the 'Biblical elite' of corporative owners that substituted British Companies in the control of their society. Soon the Hamilton gang started to promote wars – wanting to declare war to France! the country that had invested more hard currency in the American war for the freedom of the American people, to steal Louisiana - and had not Jefferson merely offered money and bought it from the French, it would have achieved its purpose – to create like the Bank of England did, a nation in perpetual war for profits, ruled by an elite of 'bankers',. America and their people though had a higher sense of freedom and rights than the British commoner and fought many battles with the bankers, starting with the duel in which Burr killed Hamilton, followed by the understanding of Jefferson that they had been 'cheated' and his attempts to regain the right to issue money. But then bankers 'exploded' the game, overpassing the Federal Government by lobbying states, which started to charter private bankers that issued massive amounts of their own paper-money, systematically ruining the common Americans by defaulting on their paper. *The classic run-on-the bank cycles started then.* And as 'greed' and 'theft' became 'privatized' so any wealthy slave trader or usurer could start a bank, the elite caste of American capitalism took roots and has reigned ever since. And when American heroes of national freedoms, presidents like Mr. Jackson, Lincoln or Kennedy tried to reverse the course and regain those freedoms for the people, with the abolition of the 2nd private 'bank of the United states' (Jackson) or the emission of debt-free greenback money (Lincoln) or the creation of a welfare demand based economy (Kennedy), they fall to the bullet. Thus the British earlier model of bankers corrupting politicians to declare imperial war to get usury interests from debt-money printed by those privateers on behalf of nations became the American model, specially after the murder of Lincoln, when free-debt greenbacks were cancelled and frontier banks issued massively debt-money backed by 'future profits' based in train stocks and land speculation taken from Indians that had to be exterminated for that purpose with the help of the Yellow Press and the new technologies of the steam age. It would be the 1st Financial-Media/Military-Industrial Complex imitated by all Western nations in their colonial wars. Thus every attempt of western people to become free democracies was reigned in by bankers and corrupted politicians, by murder, corrupted law and war, backed by the new machines of the Financial-Media/Military-Industrial Complex, since Staunton, railroad baron, paid Booth to kill Lincoln and robber barons colonized the West *in I Cycle of trains.*

Let us resume the boom & bust cycle of debt-money creation repeated in all financial crises:

- *First bankers issue as much fiat money as possible*, with no limit, which costs them nothing and creates debt and inflation. And they lend it to an adoring crowd that knows nothing about their sovereign rights to reproduce that money for free, since the media system and financial economists

working for power misinform them. So at a point the entire society owes huge amounts of 'soft debt' to the bankers. And this is good for the bankers who receive 'interest' for their debt.

- Then they stop lending and contract the monetary mass. So money becomes scarce and there is deflation. Companies fire workers as they cannot pay them. Production halts. The economy shrinks but this is *done in purpose because it is even better* for the wealth of bankers as now scarce money in a deflationary environment is worth more as 'it buys more things' deflated in price. And so the huge debt society has with the financial system becomes worthier – with their payments bankers can buy many more things. Since debt has NOT contracted, as it was established in the age of monetary expansion. Further on, as now there is no money available to pay the huge debt society *cannot pay it with the fiat worthless money that created it and must pay with taxes in hard currency, work, real state wealth, national assets and sheepish obeisance to the power orders of bankers who implement their selfish agendas.* So bankers in this phase end up controlling most of the wealth of society and its politicians obey them. Thus, in this phase, the entire economic system is geared to extort money from people to pay debt, with higher taxes while governments give handouts to bankers and pass laws of privilege for their corporations. In the Train age in this phase the Law of Anonymous Societies that eliminated all responsibility from the owners and managers of corporations and the first anti-deficit laws that forbid governments to issue money were passed. So stockrats, owners of corporations became the new aristocrats, with the same privileges the rules of the ancient regime had: no court responsibility for their actions (in the Middle Ages aristocrats could only be judged by peers in special courts) and monopoly in the issue and use of the language of social power (now money; weapons in the Middle Age, which only *aristocrats could carry and use.*)
-72y. Train Cycle: Paper-Money. Boom: Railroad stock-paper: 1840-70. Bust: Silver Crime:70s-90.

In detail in the 1st cycle of steam machines and printed paper-money, the boom cycle happened during the overproduction of rail road stocks. The bust cycle happened when Silver money was demonetized, substituted by the gold standard. In America financiers implemented it, bribing Mr. Grant at the height of the Robber's baron era. It was called the 'silver crime', as it plunged the country in the worst depression since the crown forbade the states printing colonial money. In Europe, Germany, the dominant industrial nation, provoked it, when Bismarck's bankers cancelled bimetallism, imposing the gold standard and reducing to ½ the circulating money. So suddenly half of the metal-money disappeared, increasing enormously the value of debts, by increasing the value of money and deflating prices, making debts far more expensive. The world entered recession, except industrial companies that switched to weapon's production and unlike the people who were asked to pay debts in scarce hard currency, received credit in stock-paper. Soon they declared the 1st of the many German FMMI system's splendid wars for profits that ruined European lives and wealth – the French-Prussian war of 1871, the I and II World War and now the Euro War.

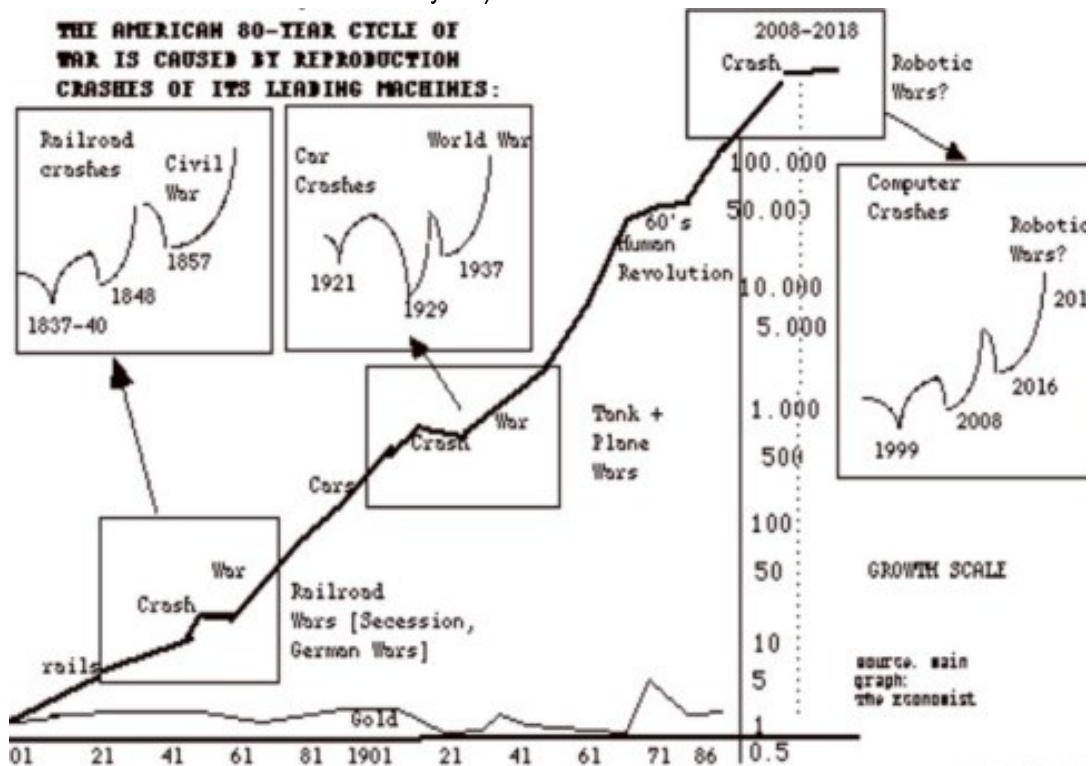
- The 2nd Industrial cycle of fiat money overproduction started its boom cycle in the earlier XX C. with a massive expansion of ticker speculation in the nascent car industry. The House of Morgan busted the credit cycle in the panic of 1907, as an excuse to set the Federal Reserve Bank as a private bank of 'issue', who extorted usury debt to the United States for decades to come. Then the Fed crunched most credit given before by frontier banks to Middle West farming states now stripped off issue rights, provoking the famine crises of the dust bowl, as lending to small companies and agricultural states plummeted. Now Fed Banks concentrated in New England ignited 2 boom decades of credit to Industrial Trusts and financial companies of the FMMI system, backed by the yellow press and radio of the happy 20s, the age of 'ticker-money' speculation and W.S expansion. But in 1928-29 the Federal Reserve and Bank of England's concerted contraction of money crashed the global market, provoking the Great Depression solved after a 'too small to matter New Deal Deficit' in Welfare goods by 'canons instead of butter', after the next 7 year boom

and bust crash of 1937. Then Roosevelt changed his mind, pressed by Industrial Trusts. So he provoked Japan with an embargo and every nation in the world, with Germany ahead of the pack, expanded their deficit to pay for war industries proving that *Deficit is NOT the problem. It should be rule, but issued with debt-free money not to pay war but to cre(dit)ate a Welfare Global Deal of life-goods and peaceful, consumption. Since America reached its all-time-peak of debt at 150% of GDP during II World War and never paid I and came out of the crisis - as Germany had done before at the cost of 66 million victims.* Synergy between the 4 overproduced technologies of the FMMI system is thus essential on the boom and bust cycle of debt-money and war that creates the 4 parallel crisis of each Kondratieff age of overproduction of fiat money.

Sounds familiar? It should because it is what happened in the 3rd cycle of e-money overproduction: Bankers invented fiat money without limit once they discovered the 'complex e-money derivatives' that allowed them to print 'digital data' as money in computer screens... Then in the 90s, the happy new 20s they lend it massively at soft interest. So every state and individual owed them money. Now they are contracting the monetary mass, and their quisling politicians are extorting people with higher taxes, bailouts and the destruction of welfare states to pay a fiat debt that in a real democracy would never exist, as money would be issue by sovereign states free of debt, as a Universal Salary and credit orders for welfare goods: First bankers in the US expanded credit in e-money without limit, in the happy 90s so everybody bought Internet stocks, and finally they busted the credit system in the 2000s; after unloading those stocks into the middle class with the 'self-made man' myth of 'trade yourself in internet'. In the 20s they call it 'buying on margin'. As the top price moment of unloading fiat worthless paper-stocks overpriced into the middle class approached, 'buying on margin' was fueled by massive credit of the Federal Reserve. Say you wanted to buy a 'yahoo' or a 'RCA' (radio-stock) at 500, their peak prices, in the 2000s or 20s. You would just put a 10% of the 500, and the 'bankster' will tell you that you will double capital when the price hit 550. What he didn't tell you is that when the price goes down to 450, your 50 \$ are gone and then the banker will sell the stock and ruin you. So they passed the 'virus' of greed to Main Street and ruined them in both cases, unloading at maximal prices the shares, whose value they had artificially jacked up in the previous decade. Then within years another short 7-year cycle of the 'product' took place. Now as people did not want to know anything about stocks, they had to invent a new form of worthless e-money in their screens. So they expanded again e-money with the mortgage CDOs, which *they unloaded at maximal prices into the accounts of the governments and investors of the entire planet.* And then they contracted credit and *had the 'chutzpah' of asking again to be paid the 'false fiat money' of those CDOs - mere double accountancy as they were false mortgages repacked and resold 'again' -* extorting one trillion dollars in bail outs, which now bring higher taxes but rip for them higher benefits. And parallel to that boom and bust cycle, they have expanded military expending to 1/2 of the nation's budget, which is a quantity HIGHER (5) than the amount spent by Nazi Germany before the 'splendid little Spanish war' that started W.W.II. served as the Guinea Pig to essay in Guernica the goodies of the German FMMI complex.

History rhymes said Twain, so now we witness the 'déjà vu' rise of the IV so-far 'only' financial Reich that is ruining again from Frankfurt the guinea 'Piigs' of Southern Europe, after converting them into colonies of the ECB bank. So now their citizens toil to pay debt-money, as they no longer issue their own currencies. Since they had the generosity of forgiving Germ(an) crimes, allowing their unification and absurdly handling them the control of the Euro. They should have remembered that cultures, as people do NOT change, only their metal evolves. So the Germans who first mass-produced iron swords in Europe and called themselves the tribe of Gods ('Goths'), because they could kill anyone who opposed them, creating their cultural memes imitating their idol of power - so Thor was a god-sword, placed upside down to impale the children of their enemies and their

language became a primitive agglutinative, inflexible, long-word system that cannot be broken into variable meanings, making it the culture of believers in absolute egoist truths, absolutely false, to the point of allowing no sense of 'humor' – a higher form of criticism and certainly no empathy for the so-called 'Piigs'. This astounding subjectivism is common to all industrial cultures that parasite or extinguish lesser technological societies and on top denigrate as 'weak' those who have humanist values, call them primitive because they reproduce mainly life-based welfare goods and when working unending hours to pay back the money they print for free are labeled as 'lazy slaves', which only understand the whip (Company's era); must be civilized with rifles (colonial age) becoming the 'white's man burden' (Kipling), whose 'manifest destiny' is to cleanse their historic Eastern territories from those inferior people that do not have radios or TVs to hear the speeches of the 'leaders' of the Greater nation (Slavs and Jewish peasants in the fascist, German age; Palestinians in the neo-fascist TV-hate cycle.)



The boom & bust cycle of the industrial R=evolution shows the synergies of the Financial-Media/Military-Industrial System made of energy machines – weapons, tools & transports - and informative ones –media & digital, fiat money, the 'informative head' that controls and causes all other overproduction cycles. Thus overproduction crashes of stocks (graph) start the cycle & weapons' overproduction to fight 'splendid wars' for profit closes it. Neither human actions nor causality changes, only the growing complexity of the FMMI system that maximizes its evolution and reproduction in the war phase of the cycle. But for mankind the cycles are a tragedy. Since in all the cycles machines take people's jobs; too much money causes inflation, it is changed by real wealth and when its bubble of value explodes and it ruins the Middle class left with worthless numbers. Then Hate Media & Weapons kill them in wars.

The only change on the boom and bust usury cycles of financial speculation that usurp the sovereign rights to issue money is on the metal-machines used to 'invent' digital money, which evolved from 'gold' (in an age that extends from the times of Joseph, Pharaoh's banker and first

recorded speculator against people's welfare to the mercantilist age of slave companies) into stock-paper (train age, electric tickers) into our modern times of pure digital information as e-money. Thus since money is reproduced by digital machines, its cycle is parallel to the Kondratieff cycle of overproduction of new energies & machines (chemical energy/printing; electro-mechanical engines/tickers and electronic machines/e-money):

- In the age of steam machines, there is a peak in stock-money issues of worthless train companies in the 1850s, when the best railroad lines are constructed and new ones loose money – even if speculators knew they were profitable, just for the sake of inventing 'paper-money', unloaded on the middle classes ruined by them. Meanwhile the 2 commonest job of the age, transport was lost to trains and 90% of horses were killed in a decade, out of work, while food prices and revenues for small farmers, plummeted under the monopoly on prices of railroads.

- In 1928, there was a peak in the creation of new stocks in companies of cars and radios, when RCA shares reached an astonishing 500 \$ value, precisely when the slump in consumption of cars had started in earnest, as all Americans had their Ford-T. Yet the electric ticker, the equivalent to e-money Pc screens in the 1920s, had been implanted in small towns and was sucking in money from the middle class all over America to satisfy the 'Ponzi Pyramids' of Wall Street speculation in 'margin 1 for 10 credit' for stocks. Then, in 1929 and 8 years latter in 1937, the physical and financial economy crashed together. While the reproduction of electric systems of automation in assembly lines at factories provoked a massive wave of unemployment, halving the work force.

- Today electronic machines have not only saturated the world with e-hardware but also with e-money software. Thus, we live a financial crisis of overproduction of e-money, made with PCs, similar to the 29-37 crashes of the 'ticker money' economy. In the 2001's dotcom crash and the 2008's derivatives' crash financiers maximized electronic invention of fiat money, while in the physical economy robots and electronic software throw millions of blue and white collar workers out of work and the 1st 'splendid little wars'⁹ that are taking companies out of the crises are essayed in Afghanistan with drones, the 1st Terminators of a new age of war whose industry, now in its Rostow's takeoff phase, will dwindle W.W.II profits of cars=tanks & planes=Bombers corporations.

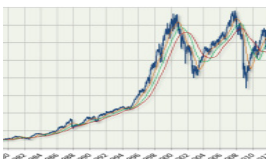
The short 7-8 wave: 3 crashes of fiat e-money: 2001-2008-2015. III W.W.?

The long 72 years waves have shorter 7 year crashes - the so-called 'product business cycle' in which new fiat money products are overproduced, and then exchanged for real wealth, provoking the 3 short crashes of the I, II and III Cycle. So after the 2001-08 crashes it is only left the 2016 euro-dollar crash that might provoke a world war with China. Let us see why: Every 7 years corporations invent a new variety of its star product. Thus overproduced stock-paper in the I cycle, ticker money in the II cycle and e-money in the present cycle had 3 shorter ± 7 year cycles around the main crash in which fiat money target '3 real wealth assets' *to exchange it for the overproduced fiat, digital money. Since economies produce massively only 3 asset types that can be exchanged* for so much fiat worthless money: stocks, real state and currencies... So once the speculator invents in the 'inflationary, boom phase' mountains of fiat money - only a language of information, not wealth per se - to become truly rich, he will tailor it as a product to be exchanged for one of those 3 forms of real wealth that suffer a boom and bust cycle as the speculator acquires it, leaving only fiat money in the hands of society that becomes ruined 3 times. So there are 3 short crashes of 'currency, real state and stocks', each time a new information machine overproduces fiat money:

2.4 1st cycle: 1857, train stock crash; 1865, real state crash & 1873, silver currency crash.

2.5 II cycle: 1922 Mark currency crash; 1929 stock crash & 1937 real state crash.

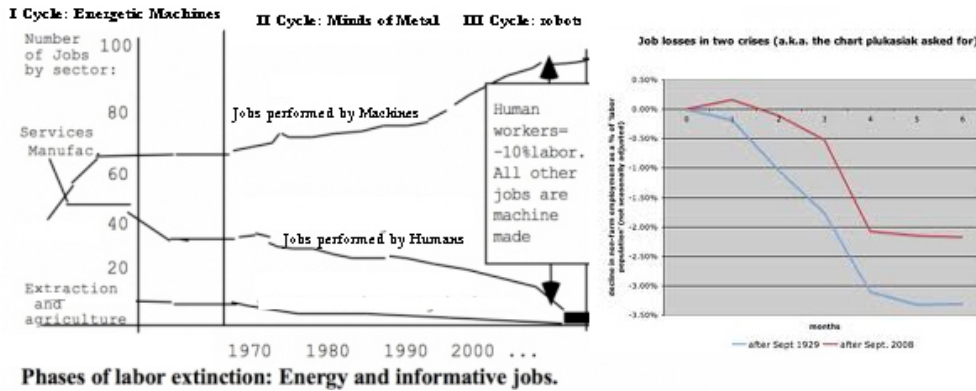
2.6. III cycle: 2001 dotcom crash, 2008 real state crash and 2015-16 euro&dollar crash: In S&P graph we see the 2015 final 7 y. crash forming.



- Panic of 1857: train stocks crash due to overproduction. Mr. Lincoln, an Illinois Railroad lobbyist declares war to the south to liberate black slaves but also to build railroads to haul cheap cotton to Northern mill factories of 'white slaves'. Train 'demand' switches to war, thanks to the railroad act that pays robber barons to lay tracks South and West, causing the Indian genocide.
- 1865: Real state crash. At the end of the war the south plantation system collapses, as slaves abandon the land, which is not given to them, since carpetbaggers want to buy it at bargain prices.
- 1873: Silver demonetization causes a global currency crash as deflation ruins middle classes. But corporations keep printing stock-money and politicians push buy trains for colonial wars.
- II Cycle: 1922. Crash of Mark, overprinted by the private Reichsbank to embezzle their owners and pay reparations, ruins Germany. The banking elite depletes German banks of gold moving to New York where the Warburg Syndicate creates the Federal Reserve starting Ticker speculation.
- 1929: New electric machines (tickers) overprint tape prices. Stock speculation becomes rampant, as Federal Reserve and Bank of England fuel credit and then contract it causing the 1928-9 crash.
- In 1937 after a new wave of speculation based in loose credit - NOT invested in the real economy, due to the limited scope of the New Deal - multiplies for 3 stock values. A new crash of stocks and real state, ends the skyscraper era. A much bigger New Deal could have avoid it, creating real welfare, but the opposition of industrial and financial corporations favor the solution already implemented by Germans, 'guns instead of butter'; that is, fascism, war and holocaust, in which the poor Jewish peasants become scapegoats of their ari-stockracy of international bankers. Then you add 1929+72 years, as I did 20 years ago forecasting 3 new e-money crashes:
- 2001: Greenspan's loose credit policies & deregulation fuels speculation in Internet stocks with no profits. NASDAQ overcomes in value NYSE, then crashes mimicking the 29 crash (graph.9).
- 2008: e-money is tailored to real state with the repacking of worthless 2nd mortgages in CDOs sold to global investors at AAA ratings by the American Financial-Media system till they crash. Instead of 'erasing' this false money from their accounts, banks pretend it is real wealth and peers in Central Banks massively reproduce currency, NOT to create a welfare Global Deal to get out of the parallel labor crisis, but to buy toxic assets banks didn't sell; while politicians overtax people, and give banks their tax money in new bail outs, ruining the middle class. Thus bankers *sold 3 times, worthless mortgage assets they invented for free (1st sale, Central Banks credit & bail outs)*
- 2015-16: If in 1922 people exchanged Marks, overprinted to pay reparations not to credit German production for \$ crashing it, now the massive \$ printing by the Fed used NOT to create jobs and wealth with Keynesian policies but for bail outs and soft credit speculate in markets will crash the overproduced \$, when China makes its currency convertible, as nations will change their \$ reserves to Yuans, the top predator currency of the new cycle. Since only China is following the right Keynesian policies printing money to create real wealth and a sustainable economy, growing at 10% annually while Europe and America contract the real economy, since bankers do NOT give credit, as speculation, which is just 'the manipulation of prices to profit without creating real wealth' (Henry Ford) is more profitable. The date will likely be at the end of the Obama Presidency when the Tea Party rises to power, the GOP provokes China with anti-communist war rhetoric, and China liberalizes its currency market and sells Treasuries. Then as it happened in Germany, with a similar social structure, neo-fascism might rise in America and civil wars, a holocaust of the Jewish middle class and/or a worldwide war, blaming China might bring more 'guns instead of butter'.

D) The solution to the pending 2015 crash and III W. W. is thus obvious: end of currency speculation and creation of a global currency ¥€\$ money at fixed parity: 1 \$=1€=100¥=5Yuans with rights to a 20% annual deficit, equivalent to a 10% annual inflation adjusted for salaries to cre(dit) a Global New Deal with overproduction of Welfare Human Goods and Human jobs ending the crisis (11). *Keynesian militarism is never the answer, since wor(l)d life values must control digital money.*

3. LABOR CRISIS: ROBOTICS. OBSOLESCENCE OF HUMAN WORKERS.



In the graph, the process of substitution of human labor by machines is guided by their evolution in 3 ages:

- In the age of bodies of machines 'energetic humans', mostly slaves and horse carriers became obsolete, causing a mass displacement of Europeans into colonial lands.

- In the age of engines work expanded as quantization & diversification of machines into smaller body species that imitated animal life in land, sea and air, multiplied blue collar factory workers.

White collar managers & scientists reach their intellectual height as they don't suffer yet mental atrophy, caused by its substitution for PCs, minds of metal in the electronic age. Thus the turn of the XIX-XX C. was the ideal age of synergy and symbiosis between man and machine. Yet the 1929 overproduction crisis broke that balance, halving factory jobs, as electro-mechanical engines automated assembly lines and Taylorism used electric systems to control, monitor and intensify the speed of human labor, alienating workers, in a tendency that constantly makes humans closer to machines as they adapt to the monotony, repetitive tasks & harshness of metal-work conditions.

- In right graph we compare the 29 and 2008 labor crisis, which so far are parallel in labor losses. But this labor crisis unlike the 29 crisis has no end. Since robots are 'metallife' organisms that complete the Industrial R=evolution. So there is not a new Kondratieff wave to create new jobs in emerging industries, as the 2 economic roles of mankind, as consumers and workers, reproducers of machines can be performed by robots in automated company-mothers. White collar pcs & blue collar robots make all human labor obsolete, except jobs better suit by the laws of affinity to human labor directly related to the handling of humans or the production of life-based welfare goods (health-care, tourism, art, food, education, housing, etc.) But only governments create those jobs with deficits, now cut to zero. Why? Because corporations seek profits not human welfare maximized making FMMI Machines with machines (eq.1.1). So they constantly preach and raise 'productivity', achieved increasing machines' capital (in this cycle robots & PCs) and firing labor:

3.1 $Max. Productivity = Max. capital in machines / Min. human labor = Max. Profits$

Since robots are more profitable as workers with no social security or salary. A humanist, legal policy would lower productivity, forbidding robots. But productivity is the corporative mantra, since it increases profits. And corporations are NOT human organisms. They only care for their offspring of machines & their owners' profits. So economists & politicians to the service of corporations preach rises on 'productivity'. They even affirm cynically that productivity creates human jobs! Thus factories, unless politicians ban robotics, are becoming automated, self-reproductive with 0 labor.

Economists know that to create jobs, since productivity fires workers, GDP must grow 0.5% more than productivity. So with annual growth of productivity of $\pm 2\%$ due to robotics, unemployment can never go down unless a massive Global Deal with investments in the welfare sector takes place by the collective agreement of all nations that should implement a minimum of 20% annual deficit with the creation of debt-free money. This can be achieved with an international currency, ¥€\$ money,

with fixed parity, €=\$=100 yens that can be printed without limit and devaluation avoiding currency wars. Yet paradoxically, the welfare sector, the only one that creates human labor is cut as corporations pay 'corrupted politicians' to implement zero deficits against their sovereign rights to issue money. So they cannot pay welfare. Since absolute power corrupts absolutely. So corporations and their tock-owners want the whole money pie for the 1%. Now they issue 95% of the world money in stock-paper and e-derivatives! And still want to take the 5% deficit of states, issued for humanity! While neo-classic economists that still believe Adam Smith's pre-industrial dogma that technology always creates new jobs, deny the growing obsolescence of workers. And so neo-classic central bankers aggravate the crisis by denying money to the welfare sector and handling it at null interest to corporations that use it to automate factories and fire labor. For this process of labor destruction to take place, corporations first destroyed regulation, labor unions and social rights, during the neocon revolution started by Thatcher and Reagan, which regressed democracies to the XIX century, dog-eat-dog pyramid of capitalism (7) with financial and industrial corporations on top and the 99% of mankind without rights beyond some placebo voting theatrics on the bottom. To that aim the minds of workers & voters had to love and vote the policies that destroy them. So during the 90s mass media manufactured a mass of clueless, mindless, citizens, so ignorant of the causes of reality that they will 'buy' the American nightmare, once the American dream is gone. Since in each cycle of the Industrial R=Evolution machines not only substituted but also atrophied our bodies&brains. And now they atrophy our minds. Indeed, new species of metal imitate, perform, atrophy & make obsolete a human organ & function: Companies manufacture millions of metallic organs that we use instead of our organs to perform its functions, *due to the higher capacity to process energy & information metal has*. So machines atrophied & substituted weaker carbon-based humans in 3 phases parallel to the 3 cycles of evolution of metal:

Addiction to machines: Atrophy of human organs and substitution of biological drives.

- *XIX century was the age of 'machine-bodies'*. So elites atrophied their bodies and overdeveloped their brains, used to invent machines as those machines' bodies performed all their energy tasks. Thus Europe, the cradle of machines, became a mental society, repressing body functions from sex to good food (Victorian society). Society became split: There was a 'brainy' elite class that designed machines and abhorred their bodies. Then there were 'slaves of machines', humans who had to serve machines' bodies, extracting coal 'food' for them, constructing & making those metal-bodies work (miners, railroad workers). They became strong and mindless, as their machine bodies were. So mankind became a new 'species', slave of machines, an '*enzyman*' or '*animetal*', similar to cellular enzymes that atrophy their carbon bodies, substituted by stronger metal-atoms and go around the cell killing fully developed carbohydrates, *as Europe went around the world killing non-repressive life-based non-technological cultures*. Finally in W.W.II top predator weapons – armored machines' bodies, tanks, bombers and battleships - consumed 50 million human bodies.

- *XX Century: Mental atrophy of mankind*. Then, it came the age of metal-minds, in which men developed metal-eyes (Cameras), metal-ears (mobiles) and metal-brains (chips). Today those minds reproduced in huge numbers, substitute most human linguistic, mental functions (calculus, spelling, accountancy, science, design, etc.) The outcome is an increasing atrophy and diminution in the intelligence of humans. Since now intelligent machines perform those jobs for us. But bodies are again free. So actors, athletes, the military & sex are all the rage. It is a violent Neo-Paleolithic.

XXI C. Robotic age: In the 3rd phase of human obsolescence Robots combine body-mind functions substituting both white & blue collar workers (CAD, 3D printing, automated factories & software suites, intranets, computer trading, e-money genetic information) So all human functions are obsolete as we become passive, fat bodies & mental plants in front of 3D virtual reality.

4. FINANCIAL-MEDIA SYSTEM: OVERPRODUCTION OF MASS MEDIA HATE-SPEECHES.

'If you repeat a lie many times, people believe it'; 'I asked the industry to make silly, entertaining films. People will love them and won't ask anything else.' Goebbels, Information Minister, III Reich.
 'In newspeak, the police is the ministry of love.' Orwell, 1984.



In each Kondratieff cycle the same energy applied to machines is used to print both money & information – stock-paper and yellow press in the I cycle, electric tickers and hate-radio in the II cycle, electronic Pcs and TVs & internets in the III Cycle. Thus parallel to the overproduction of money, we suffer overproduction of biased information in favor of corporations, and after the economic crash, in favor of war for profits, masterminded by violent leaders which hypnotize masses of 'believers' (from Luther to the colonial Press in the I cycle, from Mussolini to Hitler in the radio age, from Reagan vs. the evil empire to Islamophobia in the III cycle).

The software of Corporations: big brother smiley.

In graph, the 3 Industrial r=evolutions of information machines and its hate-speech leaders:

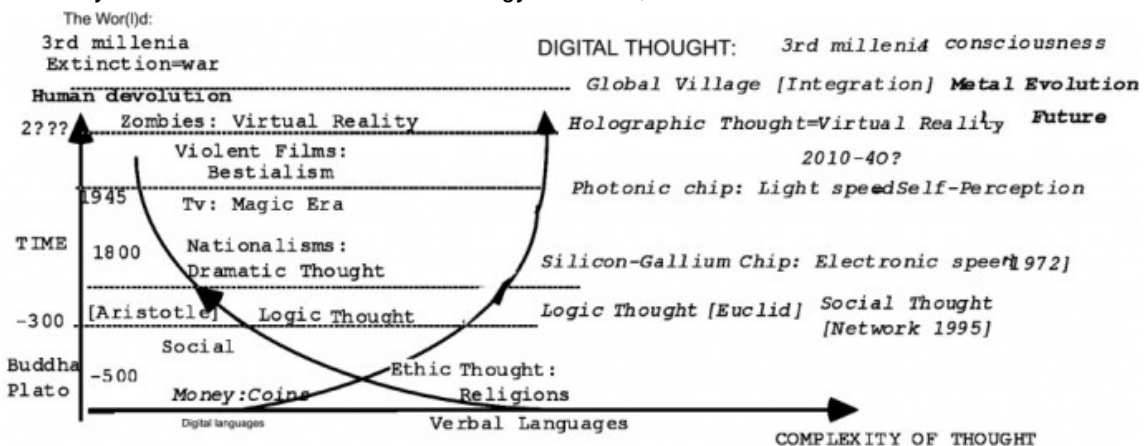
- The press reached 2 high points of hate-speech: the Religious wars and the XIX C. yellow press.
- Electric communicators, wireless radios, reached its peak of hate-speeches in the fascist era.
- Electronic communicators (TVs&internet) started its hate age with Reagan's evil empire speeches. He was the first of actors-politicians, 'celebrities' with 'good diction', as politicians with great voices dominated the radio age and writers with emotional speeches the press era, fostering wars. Since Hate speeches reach its zenith during overproduction crises of weapons, when corporations that own the new media imprint the Tabula Rasa's minds of audiences, 'hiring' virtual politicians, their puppets to spell messages of hate against other humans, blamed of the crisis, in synergy with the Military-Industrial system that needs war. *The Financial-Media, informative system protects the crimes and thefts of corporations from public opinion, since the first industries of mechanical reproduction of information appeared in the XVIII c. Since the same corporations & people that use electronic machines to print money, own mass-media systems, as those machines are used NOT only to print e-money but also e-news. Thus in the 3rd cycle of hate media, electronic machines never talk of the real causes of this overproduction crisis or blames the FMMI system but makes of poor Arab Peasants a global menace that fuels war profits & rewrites social sciences for the 1%:*
- Backing *financial corporations that require Rating agencies to pump up the null value of the fiat money they sell. In the first cycle, books on miraculous tea qualities inundated London to fuel the tea bubble & fantasy gold mines fueled the South Sea & Louisiana bubble; in the 2nd cycle radio promoted stocks & tape quotes; in this cycle AAA ratings and E-trade sold internet stocks & CDOs.*
- In Economic theory, corporative 'neo-classic' economics – the name itself is a newspeak for something good - that backs ideologies of financial power (98) is presented as the only science of Economics. Friedman had a TV-program to preach monetarism. Neo-liberal documentaries are all the rage. 'The Economist', the organ of the Rothschild family is always quoted. MBA programs cater only to the needs of corporations. While media censors the *scientific schools of economics that foster Welfare for the 99% (7): the socialist school is equated to Stalinism; biological schools - organic machines- are sci-fi fantasy; Keynesian policies equals 'deficit' waste(bad newspeak): So*

welfare and governments' democratic right to issue debt-free deficit money is an evil taboo-mantra; while money invented by corporations speculating with prices in stock market is always positive. So when stock grows it means the economy improves. So people think the corporations' unlawful monopoly on the sovereign right to issue money for free is 'good', while sovereign governments must instead extort taxes from them or borrow debt-money from corporations that its issue. In a real democracy taxes would be minimal as governments would pay the welfare state by issuing debt-free money and universal salaries, in higher quantities than markets.

- *Nationalism fosters war*, while Media ridicules social, humanist institutions –from politicians, depicted as corrupted buffoons, to eusocial religions and welfare corporations that are depicted as wasteful - while industrial corporations and their machines are always efficient, progress, the future. Fat is studies show public corporations are cheaper to consumers, and equally efficient. The only difference is that in capitalism, private corporations can waste billions of free-issued money.
- *Fiction deactivates serious reactions*. For example, A.I. can only be dealt with science fiction.
- *'Newspeaks of caring'* embedded in political, technologic & economical correctness censors history of capitalism and the collateral effects of wars and machines; bankers who ab=use us become experts; the use of mathematical languages nobody understands instead of verbal ethic thought that fosters eusocial behavior and human survival, imposes life extinction as positive with all type of damned lies and statistics, polls and the mantra of economic GDP growth (7). The Duty of *happiness* hides harsh truths. As Religions did, the new opium of the people and its experts always forecast a solution to our problems in the future, while asks taxes and sacrifices now.
- Any scientific, true analysis is censored or shown in circuits of limited audience (documentaries, night hours, books nobody reads) with the excuse it is 'boring'. So men become happy idiots under the subtle censorship of 'big brother smiley' and believe in a system that destroys most of them.
- We become passive thinkers, manufactured by mass-media corporations that program the brain to love 'idol-logies' in favor of 'the machine' our modern 'God': *Nationalism* (the use of weapons not social love to relate to other humans), *capitalism* (the use of money not words to control societies), *techno-utopia* (the belief that progress is evolution of machines not evolution of humans).

Its hardware devolves the human mind into a Neo-Paleolithic of visual, violent thought.

The medium is the message means that is not the message, its truth and positive meaning for mankind, what determines the success of a certain ideology, but the capacity of the mechanical medium, which carries it to reach and program millions of simultaneous 'human cells'. Yet as the medium is controlled by the FMMI system, paradoxically, as the medium evolves, its human values, the message that TV-programmers call 'filling' degrades. 'Propaganda' is call content with a single message: Humans must work=reproduce and consume=vitalize machines. In the graph, in the III audiovisual cycle as digital machines keep evolving, close to A.I. and self-consciousness they substitute & think for our minds. So our mind's hardware atrophies, mutates from an evolved, logic, verbal, ethic, causal, temporal brain able to reason into a 'Paleolithic', visual, childish, emotional, asocial, violent, selfish brain hypnotized by aesthetic Fx of null content. Since the eye's mind is a killer that seeks energy & motion, maximized with red blood & violence⁵.



The medium is the message that becomes the new God of each cycle and biases information in its favor. So even when dictators are tumbled the medium keeps evolving and r=evolutionaries use it. Nobody except love religions (Christians, Buddhist), anarchist and ecologists understand that the problem is not mankind, not even elites, replaced by new elites in each cycle – but selfish memes of metal that kill our bodies and atrophy our minds – weapons, go(l)d and machines. Since mass-media hardware *also* imposes as single truths its visual & digital languages that degrade verbal ethic minds into one-dimensional selfish I=eyes that see only individuals & racial colors. So Love & Eusocial evolution changes into egoist Homo Bacteria who won't fight together for a better world. Since human 'think (with words) to exist' and express their biological will, *the ultimate censorship of the thinking machine is its substitution and degradation of our brain's hardware*, our verbal biological language, parallel to the evolution of the biological language of machines, mathematics, which humans do not use to communicate, but to express the biological drives of the new species – to reproduce, and evolve their energy and information systems through science that now equates knowledge. So books die and humans become robotized, void of feelings, Nazi-like numbers. This fact explains a paradox that puzzles psychologists: why as humans accumulate more digital mechanical information, people loose educational and social skills? Today the creativity of thinkers is minimal. The interest of people for ideas is null. Their capacity for abstract thinking is lost. Basic skills of human behavior, such as social dialog and social interaction, are in jeopardy; as we communicate more through machines and believe only truths expressed in virtual, digital languages. Words are only good for fiction. We care only for money, whose vision reduces oxytocin, the drug of love. We have virtual Facebook friends. Human help is defined as 'needy'. Only mechanical help and self-survival, lonely heroes that don't talk too much are 'cool'. And their purpose is always to kill enemies using weapon or making money. Human emotions are not goals.

- *Company-mothers teach us to despise our biological drives (sex, food, social love, verbal information), substituted by the biological drives of machines - the new purpose of our life:*
- We must work=reproduce machines while women must no care to have babies and sex is sin.
- Our higher ethic, social language disappears, destroying the social values that create our evolved multi-cellular, social organisms, becoming selfish 'Homo Bacteria'.
- Instead of using our bodies and verbal brains we must consume audiovisual, digital information and move with machines, becoming fat and silly. So we despise good food, eating fast, processed food as farm animals do and we atrophy our verbal, logic brains, since only numbers 'are' truth, used to design the real world; while verbal, logic truths are substituted by emotional fictions, which by definition are fantasies, not truths taken seriously to create reality. This subtle combination of happy fictions that make us passive receptors of the will of machines and hate-TV against humans, our governments and biological drives, tame men into happy neutered 'animetals' of a global farm (Graph 10) similar to Orwell's parable, 'Animal farm', dedicated to evolve machines in which the meaning of human existence becomes, according to the FMMI corporation to excel in the tasks of reproduction=work and consumption=testing and evolution of their offspring of machines.

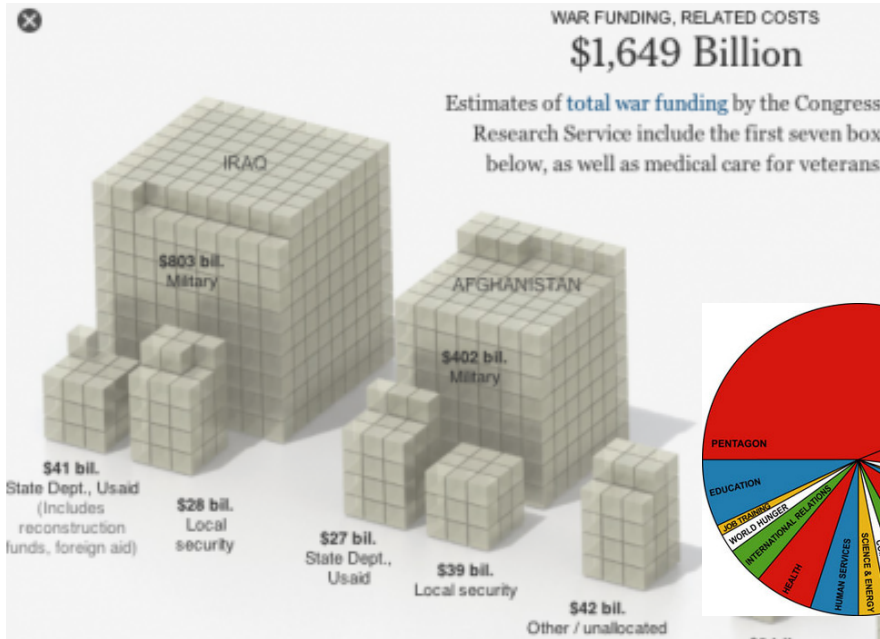
It is a similar process to that of tamed animals that atrophy their will and loose 30% of their brain (boar vs. pig). Scientific studies show⁴ post-industrial humans to have 20% less bone strength than XVIII C. corpses and perform 20% less in verbal, logic I.Q. tests. Tamed animals suffer neoteny as the farmer sacrifices them young. So they never fully develop, as it happens to modern humans. Their 'manufactured' mass-media brain (Chomsky) is kept in a happy, emotional, selfish, infantile, pre-logic, audiovisual level of reasoning that regresses them to the neo-Paleolithic age of violent, visual hunters – a sign of extinction, as 'old' men become infantile before dying. So human atrophy is now both mental and physical, in the so-called Y-generation who doesn't work, doesn't think & doesn't care, without will.

5. WEAPONS & WAR OVERPRODUCTION: COLONIALISM->FASCISM->TERRORISM

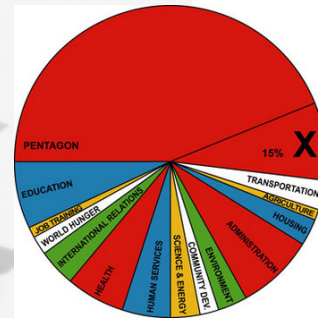
'This splendid little war will get us out of the economic crisis' T. Roosevelt, Cuban war, I Cycle.

'Guns will make us powerful, butter will make us fat.' Goebbels, III Reich, II Cycle.

'Marshall plan was mad. America always came out of economic crises making wars.' Bush III Cycle



The percentage of American rent dedicated to war has equaled that of Germany in the year before the Spanish civil war.



In a pure capitalist democracy governments cannot invent money to pay for human jobs and the production of goods of a sustainable welfare-based economy (deficit zero laws). Stock Companies invent money and give credit, guided by its search of profits maximized by goods of maximal price (eq.1.1: Profits=Money (financial industries) = Max. Price (arm industries) - Minimal cost (mass-media). Thus they overproduce the most 'expensive' memes of metal, which are the most perfect machines, weapons and those of minimal cost of reproduction, mass-media waves filled with hate-speeches, creating a synergy that fuels wars to deplete arsenals and increase weapons sales and profits. That is why companies that produce machines and its evil twin, weapons, which is just an armored machine dominate production and stock-credit in capitalist democracies. *So armored cars are tanks; armored planes, bombers and armored robots terminators.* Reason why US, the purest capitalist nation, is the biggest producer of weapons, the most profitable goods, while countries in which financial systems are nationalized (as China), have a far smaller proportion of the economy reproducing lethal machines, overproducing instead the welfare goods people need to survive, always under produced as goods of min. profit (eq.1.2) in capitalist 'democracies'. Thus in each Kondratieff cycle, the leading capitalist nations has also been the leading weapons & war creator: In the first cycle, Great Britain, leader of Train & Steel corporations became the biggest military empire, after the XIX c. overproduction train crashes thanks to colonial wars.

Germany, the leading capitalist nation of the electro-mechanic cycle of engines, came out of the 29 crisis producing 'canons instead of butter', and even though it lost the war, Mercedes five-folded profits, while G.M. eight folded them and continued producing tanks during the cold war, when his former CEO became American Defense Minister and affirmed that what was good for G.M. was good for America. Now the US, the leading industrial nation of the electronic age is coming out of the crisis producing robotic weapons, with the excuse of an Orwellian eternal 'war on terror'. But terrorism was *always dealt with Police, as it is a criminal act performed by small groups NOT with national armies.* Hence, Keynesian Militarism must be considered responsible for the prolongation

of military solutions instead of diplomatic ones (end of Palestinian Apartheid in Israel that fuels the war, investment in welfare goods and education for poor nations that breed terrorists with a Marshall New Global Deal, in other words butter & UNO peace instead of Empire.)

Extinction Equations: Fractal, Decametric growth of Victims in World War Cycles.

III World War though will extinguish mankind, as the Digital Weapons of the Singularity Age (Mass-bombs, nano-bacteria, Military A.I.) according to the equations of Death by overdrive of energy and information ((10,4) are global weapons (10). The mathematical proof of its causality is the parallelism between stock growth in each of the III cycles of weapons overproduction and the growth of its consumption of humans, as war causalities. Both have one hundred folded its value:

5.1 I Industrial Revolution, XIX C. Stock value starts at 1-> I World Wars: (Train wars: US & German Civil Wars): 700.000 victims. Then in next cycles victims & stock values one-hundred fold:

5.2 II industrial revolution: Engines: Stock reaches 100 -> II W.W.: Tank-Bombers wars, 70 million.

5.3 III industrial Revolution: Stock reaches 10.000: III world war, robotic wars: 7 billion: All Mankind. Thus the industrial evolution will end with our extinction by ultra-expensive, robotic weapons (10).

Since stock value measures profits= price(quality) x sales (reproduction of weapons, graph 9) in war ages stocks peak, as corporations solve overproduction crisis of peaceful machines, switching overproduction to the most profitable machines, weapons and hate media. So when overproduction of robotic weapons peaks, parallel to the peak of its stocks, as it happened in the wars of the train cycle and the car=tank cycle, robotic weapons will have one-hundred fold its quality=capacity to kill humans, consuming 100 times more people than II W.W. tanks & bombers – all of Mankind.

Further on, since in each cycle the most advanced machines are weapons, robotic weapons will be the first living A.I. robots. And as they awake to consciousness, embedded with survival programs designed to kill men in war theaters, *they will do their job, killing all men*. This 20 years old prediction (graph.10) is now closer as the robotic arms race has started. So in the 2040s A.I. will be born first in millions of police robots and terminators designed to kill humans. And the same applies to automated 3D factories. The most advanced projects of self-reproductive factories, able to make robotic weapons, with robotic workers, 3D printers and Intranet software are researched in the military. Miniaturization is also a natural trend in the evolution of all species, born as small top predators of enormous reproductive capacity. So the first forms of A.I. life will be iron nano-bacteria and insect-like swarms of indestructible weapons built in automated, small, anthill-like self-reproductive robotic factories, flown into enemy territory. Those new top predator metalife species, programmed with survival software will not switch off once the war is won but keep killing humans.

But police also need cheap robotic weapons to control the increasing mass of ruined middle class, as deficit laws fire state workers. So weapons multiplied in the 3 cycles of 'fascism': There was Victorian repression of vagrants and Irish – not only colonial wars; there was Concentration Camps within nations, not only World War II and now a vigilante big brother state is in the making. As social unrest grows internally, robotic lobbies will convince police to control populations with robotic weapons with the excuse of saving soldiers/police lives and reduce costs (drones now, soon armed cameras, police cars, etc.) We enter as in the 30s, an Orwellian age of perpetual 'splendid little wars' that will get out of hand into a global W.W.III for profits that can only be avoided with the nationalization of the financial industry that credits robots, to credit instead a 'healthy', WHealthy sustainable economy, with a Global New Deal; while using diplomacy, police, intelligence and investments and education to rise the 3rd world out of poverty and solve terrorism. Instead politicians & neo-classic economists are pushing as Hitler did in the 30s 'Keynesian militarism' to come out of the crisis & killing the welfare state, blowing up with mass-media hate the terrorist menace to justify the profits and takeoff of the Terminator industry.

6. A SCIENTIFIC MODEL OF ECONOMICS: DATA, CYCLES, PREDICTION AND PRAXIS.

The scientific method that applies to all sciences, with no 'exceptionalism' consists on 4 steps:

- A) Collection of experimental, sound data.
 - B) Introduction of data into mathematical, cyclical patterns that allow prediction of future cycles.
 - C) Creation of a non-anthropomorphic, objective, mathematical or logic, causal model that explains why those cycles are happening in space and time, and further helps its predictability...
 - D) Allowing a positive praxis that controls Nature and its systems with the goal of improving the life of all human individuals who must evolve eusocially as members of the same survival species,
- Those 4 legs that sustain the building of science differentiate a scientific model from an ideology of power that caters for only a part, tribe or caste of mankind or a faulty model of science, which:

- A) Censors or biases data that does not cater the selfish agenda of a limited social group, people-caste, nation or corporation, or lacks the proper instruments to gather information; hence subverting the first element of science – accurate data.

- C) Prefers anthropomorphic, selfish, subjective or religious theories that cater to small groups of power or make people happy as centers of their limited world but are false models in an impersonal Universe in which individual men are non-chosen mortals and what evolves is the whole species.

B) Thus, due to faulty data and subjective models, non-scientific ideologies fail to find patterns & predict the future evolution of the species and events it studies. Since the future is NEVER caused by a single, 'ceteris paribus' being or causal point of view, but by the complex interaction of all the different points of view that intervene in those events, which require an external, multiple analysis.

D) And they fail systematically with their erroneous models to improve human individual life ('quack' medicine prior to the theory of germs) or our life as a single species in control of the Earth (neo-classic economics that cater to the non-human point of view corporations, its memes of metal and the restricted '1%' of its owners and political systems that ignore the 'democratic' collective point of view of all their citizens). So their praxis causes negative collateral effects that harm most of mankind even if they favor the selfish agenda of the restricted group that imposes them.

Thus a causal, true scientific model of social sciences must consider instead the whole perspective of cultural ideologies, selfish metal-memes, the FM²I complex, the human species and the biologic Earth *to be able to analyze & predict the future to direct it towards a positive praxis for all mankind.*

Samples of the evolution of knowledge from Subjective Ideologies into objective science.

Thus the key elements to proof a scientific model truth or discharge it as faulty and harmful are:

A) Its accurate data. C) its objective, non-human point of view. B) its *capacity to predict the future* evolution of the species and events it studies D) its subjective, positive, human praxis. As opposed to ideologies that have: A) Inaccurate data. C) Subjective, reduced, ceteris paribus point of view. B) Incapacity to predict the cyclical future D) Objective, non-human praxis. So we shall use those 4 elements to consider 3 sample cases of evolution of knowledge from myth and ideology into science from physical sciences (astronomy), biology and sociological disciplines (economics):

The oldest form of physical knowledge, astrology became the science of astronomy only when:

A) Telescopes gave accurate data->C) Astronomers substituted the anthropomorphic, astrological theory that stars influence psychically human behavior; finding an objective theory based in attractive forces and orbital motions-> B) Kepler and Newton calculated the orbits of planets and predicted their future position establishing laws that summarized that behavior (left side of graph).

The main disciplines of life studies, Biology and Medicine became sciences only when:

A) Microscopes gave us accurate data. C) Biologists&doctors discharged anthropomorphic beliefs that considered humans the creation of a subjective personal God, hence their sickness caused by its antithesis, evil spirits; developing instead an objective model that related causally species according to similar forms (Evolution Theory) & studied the causal competition and extinction of

those species according to their body-mind, energetic-informative power (selection of species – right side of graph). Then Pasteur developed with such knowledge a Germs Theory, based in the competition at cellular level between top predator bacteria & viruses that killed human cells.

B) As a consequence evolution predicts the most efficient, future survival forms of many species.

D) And Medicine predicts & cures the causes of sickness, *fighting germs at cellular level*, while quacks with religious theories never predict or create a positive human praxis that cures the sick.

Economic science: Scientific Schools vs. Ideologies of Corporate power (neo-classic economics)

We apply the 4 elements of the scientific method to divide all schools of economics & social sciences in 2 groups: The scientific schools of Economics that inspire this work and develop A-D:

- A: *Historic School*, which studies critically the cultural origin of corporations (Sombart, Weber)⁶.

- B: *Socialist School* that studied the overproduction cycles of 'metal memes', machines, weapons and money, its crashes, cyclical extinction of labor & tabulated them (Marx, Kondratieff)¹.

-C: *Biologic, Systemic School* that models Companies & machines as organisms (Butler, Sancho)^{7,8}

-D: *Keynesian School* that implements a demand-based economy to create welfare for all mankind.

Vs. *The Dominant ideologies of social power, nationalism and capitalism (neo-classic, financial economics)*, which are *NOT sciences but the praxis of elites who use 'energetic metal', weapons and informative metal, 'money' to control humanity and justify it with those ideologies*. So their postulates & praxis have as *single goal to increase national power & corporative profits*. Since in the specific field of Economics, as a power Ideology, Financial, neo-classic economics *fails A-D*:

A; B) Ignores data and sponsors the p.o.v. of corporations and its owners - the 1% of mankind.

So the founder of neo-classic economics Mr. Friedman in his argument with Samuelson, a Keynesian scientist, affirms that 'data' is irrelevant, only 'assumptions' matter.

C) Fails to predict economic indicators and corporative collateral damages. So The Economist, organ of neo-classic economics tested future indicators among Economic Ministers, Scholars, garbage collectors and Taxi Drivers, and Ministers and Scholars came last in predictive power.

D) Sponsors, objective, non-human policies that do not favor mankind but side always with the machines for whom those corporations cater, in search of profits, designing a world to its image and likeness, regardless of any negative, collateral effect they have on our species and Nature. So its founder, Mr. Smith, and ideologist of British Imperial Power, 'assumes' a false postulate - that 'The Wealth of Nations' is its corporative, industrial & financial production defined in monetary values & *maximized in war periods*; since weapons are the most 'expensive' metal memes (graph 2.2), precisely when the Healthy Wealth, or 'WHealth' of most of Mankind, defined by the true scientist, Quesnay, as welfare, life goods, *is minimal*. Thereafter his disciples establish as the economic goal of societies to increase its monetary GDP ($Pt=MV$)⁹. While the science of economics defines the WHealth of Nations with the Index of Human Development (IHD; Sen, ONU) maximized with a demand, democratic economy that overproduces 'cheaper' welfare goods (Health, Food, Education). This duality is essential in the present crisis in which robots of maximal price compete and eliminate humans from labor and war fields. Hence they must be treated as biologic systems & forbidden even *if they are increasing enormously the GDP's Wealth of nations*.

The GDP case shows how the 4 true scientific schools of Economics evolve steadily A-D Science:

A) Use proper data with no censorship on historic facts & the cycles of overproduction and its collateral effects of economical war, unemployment and loss of human wealth.

B) Have an objective point of view that includes the duality of machines that enhance our energy and information by imitating our similar organs, but also atrophy and substitute them; and the Darwinian, biological behavior of its 'company-mothers' that design the world to its image.

C) Predict the future events of the economic cycle, based in the patterns and regularity of the generational 72 ± 7 year generational cycles and crashes of evolution and overproduction of money,

machines and weapons ('memes of metal'), proved by the accurate description of causes, facts and dates of the present crisis, by this author in books published 20 years ago³.

D) Sponsor a 'WHealthy' praxis of political economics that favors the future evolution and survival of the human kind, modeled with the tools of systems sciences and the examples of Nature – the master of us all – and its most efficient, Healthy and democratic social organisms.

Thus we base our evolution of the Science of Economics on those 4 schools. Since this work builds its Biological Systemic, Cyclical Model of the eco(nomic)system according to those A-D points of the Scientific Method, introducing 1st the Long Wave of 800 years evolution of weapons & the 80 years Medium Wave of Industrial machines *that killed civilizations and nations*, focusing then in the present and future 8 years short waves of crashes of Chips, e-money & Robots, giving finally Humanist Solutions to the crisis. Let us consider those 4 scientific elements in depth:

A) *Accurate data in all the languages of Science*. 2 elements limit economics' data: 'damned lies (censorship, 'ceteris paribus' analysis & bias) and statistics (reductionist use of digital information).

- A common error of scientists is the belief that mathematics is the only language of science. So by finding a mathematical law, A-B-C steps are no longer required and the statement is truth per se.

This is not the case. We exist in a world of spatial energy (as vacuum space³ is a sum of energy quanta) and temporal information (as a clock-cycle creates a hertz or minimal unit of information¹⁰). So mathematics, derived from geometry is merely the language that studies space and energy.

But logic is the language that relates causally the 3 dimensions of time, past, present and future, better suit to study information. For that reason bio-logical sciences are based in a logic, causal theory, evolution, which studies the in-form-ation or form of species that evolve into more efficient systems, causing the causal relationships of symbiosis, competition and extinction of species, such as the form with better energetic bodies (E) and informative brains (I) is the top predator species of Max. 'Exl' force that always wins & extinguishes the lesser 'exi' form, surviving into the future.

So both, spatial mathematics & temporal logic are languages accepted to create scientific models: As it happens, most models of physical sciences concerned mainly with motions and locations in space are better described with mathematics; while in most biological sciences concerned with information the causal and morphological laws of evolution *dominate its quantitative analysis*.

As Einstein put it: '(we) know when mathematics is truth but not when it is real'. Since Gödel proved that a mathematical theory cannot be proved truth by its own internal consistency, if the A-B-C legs of the experimental, scientific method do not prove it. And the same can be said of a logically consistent theory. But contrary to belief logic is the dominant truth, since mathematical formalisms derive from logic ones (Hilbert, Frege, Computers) and space is considered in 4D metrics a 'sheet of present time' moving along the total world-line flow of causal time from past to future.

Thus we solved a key question for social sciences: we must NOT construct economic models only with mathematics as financial economists, dominant in this discipline, do, but use models based in biological sciences. Since we, humans are biological organisms and make machines to our image and likeness to enhance our organs of energy and information, as they become symbiotic or compete biologically with us in labor and war fields, Thus economics, which deals with 2 kind of systems –the FMMI system of metal-memes and humans & welfare goods of organic nature– must be treated as a bio-logic science based in evolutionary, organic, systemic models of machines and company-mothers that often compete with humans & governments. While mathematics must be considered, as in biology, the accessory language that helps to gather data and find the patterns that structure the evolution, reproduction and interaction of the agents of the eco(nomic)system. So *money, its language of information that 'values' both humans and digital machines with salaries and prices must be considered submissive to the bio-logic, ethic, survival values of human Laws*. Thus in economics, contrary to belief, biologic, ethic, organic, causal laws, must dominate the field.

B) *An objective, multiple point of view.* Science is a rational attempt to get out of self-centered, subjective points of view as centers of the Universe into objective, non-personal wider perspectives that take into account all other entities of reality. So we moved from a mythic, religious age of individual or tribal Gods as universal centers into the whole Mankind (oikoumene religions) and its body, Gaia as the center. Next we expanded our physical point of view, making the sun, the center; and then the whole space-time with no physical center at all became our frame of reference (Relativity theory). While in the realm of human sciences, we expanded our socio-biological center, from mankind to all life species (Evolution). Finally XXI C. science is going further, considering that our scale of size and speed of time clocks is not unique (5 Dimensional metrics¹⁰) and applying the definition of life - a system which processes energy, information, reproduces and evolves socially to all Complementary Systems, made of lineal bodies/fields of Energy and cyclical particles/heads of Information including machines as we do in this biological model of history and economics.

(Neo)classic economics' A-B failure is also a subjective error as its founding fathers from Smith to Friedman were Biblical believers who created an economic version of 'Creationism' and Intelligent Design, denying ever since biological laws, while the corporations they worked for paradoxically *applied Darwinian Laws of competition between men and machines in labor and war fields.*

These facts extend to the most prestigious prizes of this discipline, the Nobel Prize, conceded by the private Rijksbank, which cannot be given by 'decree' to any evolutionist (since Mr. Nobel was a pious believer and founder of the first multinational and biggest arm dealer of the XIX century)

C) We forecast 2 decades ago³ the 4 overproduction crises of the chip cycle, adding 72 ± 7 years to the 29 crisis and studying the future short 7 years business cycles of electronic money, machines & singularity weapons, the most evolved form of 'Wealth of Nations' that we predict will kill us unless:

D) We implement a Welfare, Global New Deal solution to the crisis positive to all mankind (11).

A-B) Why Classic Economics doesn't want such solution? Because it is a power ideology: Financial Economics, which rules the field, was invented before Biology and Evolution expanded the human point of view, even before modern machines appeared, certainly before Democracies were established, by a 'believer' on the British Empire and its Biblical Memes, Mr. Smith, who thought as Calvin did that 'the intelligence of god is money' & acted as a lobbyist for the Private Bank of England. So he affirmed that profits are 'the invisible hand of god'; that only private banks must issue usury debt-money, as today does the ECB Bank; that workers must receive only a subsistence salary; that the Wealth of Nations are its imperial Gold and machines (gunboats), creating an anti-democratic, anti-humanist, war-prone model of the 'Wealth of Nations' that cater to the profits and stock-value of those corporations, NOT to the WHealth & survival of Man.

The conclusion is obvious: Economists and their thesis divide in 2 categories: theses that profit corporations invented overwhelmingly by (Neo)-Classic, Biblical Schools Vs. those who follow the Objective Laws of the scientific method, belonging to the Socialist (I cycle), Historic, Keynesian (II cycle) or Biological Schools (III Cycle), from Owens to Sen to this writer who favor a world where humans would thrive, and would implement Welfare policies to overproduce real 'WHealth' that improves human evolution, survival & happiness, measured with the Index of Human Development used by UNO, but cannot, censored systematically by the power of Corporations & metal-memes.

So corporate power and its ideologies dominate history, causing the regularity of the Kondratieff cycle of evolution of the FMMI System (A, B points of the scientific method); since the cycle's capacity to design the future (point C) is only possible in a world in which the will of Corporations and its owners - to overproduce machines for a profit - rules over all other political and economical goals and systems, regardless of their collateral damage on mankind. Otherwise if we live in true democracies, people would impose a welfare demand based economy and a peaceful world. So we live in a dictatorship of corporations. We do NOT live in a democracy (7, 10).

7. CLASSIC ECONOMICS VS. HUMANIST SCIENCE. DICTATORSHIP OF CORPORATIONS



The graph, a classic of the socialist school, shows the hierarchic anti-democratic class pyramid of capitalism: On top metal memes rule. Since go(l)d, a digital language, controls the entire structure and subconsciously is evolving those selfish memes of metal, which is the true purpose of the capitalist system, guided by that 'invisible hand of god' that classic economists of biblical origin do not care to analyze rationally, as money was and still is for them a 'religion' that somehow will provide. On the bottom, the 90% of mankind reproduces those selfish memes and sustains the parasitic human 1% of bankers, politicians, priests and scientists and classic economists. In the middle, the 10% of managerial classes that direct corporations ('bourgeois', replaced by chips). Thus we define a Capitalist democracy as the ideology of financial and industrial corporations and its owners, 'stockrats', the new aristocrats of the modern world, who believe they must issue in monopoly the language of social power, digital money to reproduce their memes of metal (weapons, money and machines), with exclusion of citizens. (the silenced, democratic side,

In General Systems⁴ we define the Universe as an organic fractal whose parts are Complementary Systems made of 'Informative particles/heads/ upper classes & Reproductive Waves/Bodies/ Middle classes that act and create order by disordering energetic fields/bodies/lower classes (Physical, Biological and Social Sciences Jargons). Thus there are 3 classes in all systems but the organism is composed of only 2 self-similar parts *that take care of each other*, the informative particle/neuronal class and the reproductive wave/middle body. Particles/Neurons guide the wave/body to external energy fields in which bodies prey to reproduce the goods that make body&head survive. Thus an efficient, well-designed, democratic eco(nomic)system according to Nature's laws (11), must feed, inform & provide jobs to all the human cells of History, our social superorganism. Thus we define a democratic economy as a demand economy ruled by citizens with a Universal Salary or by welfare governments that obey their mandate, as the immense majority of humans want to reproduce memes of life of the welfare state, *There is no exceptionalism to this universal rule, except when a system is dying, predated as external energy by a rival organism, which uses it to feed and reproduce its own cells.* And this is exactly what happens in a capitalist democracy, ruled by company-mothers of machines that prey on humans, whose role as energy class is to *reproduce the rival species machines, even if they have no food for themselves, as part-time slaves with no rights (workers) or become energy for weapons, in labor and war fields.*

In capitalist democracies their governments, whose politicians are bought with corporative money to issue laws that favor corporations, systematically cheat the welfare goals of true democracies. The only 'democratic right' of people, voting is a placebo mask. It was for most of history limited by 'wealth' to the top class of the capitalist pyramid and only when the 90% was asked to sacrifice their lives for the military-Industrial complex in I world war, voting was extended in Europe to all people (in America for the same reason in the Independence war). Then for a few years voting freedoms saw socialist parties imposing welfare policies. So Capitalist elites reacted paying fascism that crashed with violence social parties; while advertising, propaganda and mass media

misinformation became essential to the system, with the first 'Ministry of Information' (Goebbels, III Reich), who imposed the motto 'if you repeat a lie many times, people will believe it'. Thus after II W.W. the Goebbels method enhanced by audiovisual hypnosis, based in the structure of the mind that believes any system that provides an overdrive of information became routine in all nations. Ever since the FMMI system convinces people to adopt policies that destroy their welfare. So owners of TV-corporations like Mr. Berlusconi or TV-actors like Reagan become as radio-voices like Mussolini did in the II Cycle, the neo-fascist manufacturers of Mass-media economic messages ('too much government') that hide the fact that corporations are not human in their purpose and their monopoly on monetary issue stolen from sovereign governments that no longer have money to pay welfare, is invested only in its offspring of machines that expel humans of labor & war fields. But all those outlets of the FMMI system and its politicians receive their inspiration from the 'Brahmins' of the religion of corporative profits, the 'neo-classic' economists that work within them.

Neo(classic), 'Creationist' ideologies of national, Biblical & Banking Power vs. Economic Science
We live in a system in which a new top predator 'organism' the company-mother of machines rules the world for its offspring of machines – a different species. So all what is good for financial and industrial corporations must happen. Overproduction of metal memes must happen. And all rival human institutions, especially welfare democracies that try to feed and inform all human citizens-cells must become powerless, degraded as energy for the evolution & reproduction of machines. This is the duality never recognized by corporative economists between 2 species that compete for the Earth's limited resources in labor and war fields both at individual and organic level – man vs. machine, memes of life vs. memes of metal, governments vs. corporations, 'butter vs. canons'. On the contrary in the present economic and existential overproduction crisis we return to XIX c. harsh capitalism, since neo-classic economists chose to keep overproducing canons, machines & corporative money; hence butter, human beings & governments will have no resources and die. If economists were humanists this would be explained, corporations regulated according to the usefulness of their products to mankind; the issue of money would be in the hands of people with universal salaries and governments to pay welfare and taxation to humans will be minimal. But neo-classic economists direct corporations so their only goal is to increase their profits. For that reason their 'arguments' repeat 4 Goebbelian' themes '(if you repeat a lie people will believe it):
- Freedom is only for the elite, managerial, intelligent class, including min. tax and max. credit; Labor has no rights. Property=Machines have them all. The Government of the people is stupid.
- People & governments without issue rights must pay usury debt-money to financial corporations.
-Economics must have no ethic goals or biological & historic human goals (improve life, a better world) or use social languages; they might express their only purpose - to reproduce more metal memes, the 'Wealth of nations' in the mathematical languages of machines and productivity.
- Inflation is evil because it lowers bankers debt profits.
- Since Mr. Smith and most founders of (neo)classic economics, Mr. Malthus, Anglican Priest, Mr. Ricardo, Jewish, Mr. Say, Calvinist, and today's neo-classic economics, Mr. Friedman, Mr. Hayek & Mr. Buchanan were Biblical believers, as most elites that founded and control western corporations, we talk of Creationist Economics. As all those assumptions mimic, without telling the Biblical Beliefs of a chosen caste of owners whose goal is to make 'money', the fetish hand of God. In that regard, as Owens denounced (Neo)classic authors show always in their 'assumptions' to cater to the p.o.v. of corporative profits, nationalist power, Biblical beliefs or the elite class for whom they work, totally indifferent to the rights of workers, always siding with machines of higher 'productivity'=profits; 'If managers took care of human capital with the same zeal they care for their mechanical workers, how much would improve the condition of labor'. 'London Saloon economists

are always busy finding complicated arguments against workers' rights to defend the profits of bankers and factory owners that pay them, but they never visit as I do factory mills, and see the unending hours and appalling conditions in which people work'. Let us consider a few samples:

- *Smith*: The selfish acts of corporations are 'the invisible hand of god' that magically will create a better world; the private Bank of England, founded by his Maecenas, Montagu, must issue debt-money borrowed by governments at usury prices; workers must be paid only a subsistence salary to avoid their death, which will decrease workers and increase salaries. Governments must only spend in police, courts=crime and armies to keep 'order' & expand the British, Biblical Empire.

- *Ricardo*, a Stockbroker went further defining the 'iron salary' that companies must pay workers, equivalent to the cost of substituting human labor by iron machines even if it is below subsistence and labor dies, as *machines can do the job and increase profits*. He further denied Smith's finding that Free Trade expands the British Empire as its superior technology creates a massive deficit in all nations that buy all the industrial products of England and pay with their go(l)d & silver as Portugal, India & China did. He twisted this argument to make it 'caring' with a ceteris paribus analysis of *a single product*, nails from England and wine from Portugal. In that case wine becomes cheaper in England and nails in Portugal. But trade is done with many products as was the case of Portugal, which lost its textile industries and became the poorest nation of Europe after signing a Free trade agreement with Industrial England, paying them with Brazilian gold; while China & India loss their silver. Thus he established as a rule 3 ideologies of neo-classic economics: hypocritical, false assumptions based in mathematical, ceteris paribus analysis to disguise the selfish p.o.v. of corporations as + to mankind; economic imperialism & zero rights for most humans – labor - not even the right to survive. Such globalized free trade market today imposes the Chinese blue collar and Indian Service IT Smith's subsistence salary, increasingly substituted by the iron salary of blue collar robots and white collar PCs below human survival in a world of zero labor rights.

- *Malthus* blamed the Irish famine, caused by monopolistic investments in overproduced railroads that increased farmers' taxation while eliminating investments in agriculture on 'catholic' sexual reproduction. Hence his solution was not to stop train overproduction but end human reproduction.

- *Bentham* and his disciple Stuart Mill, denied ethic, eusocial, humanist goals, considering 'utility' and 'pleasure' the only measure of economic values. Bentham's 'on defense of usury' affirmed only private banks must issue money and establish at will its usury interest rate. Mill, a manager of Eastern Indian Co., 'owner' of India tried to use Taj Mahal's marble to fortify New Delhi, as art had no 'utility'. His work 'on Freedom' reduces freedom rights to elite class and corporative managers.

- *Say* denied a democratic, consumption based economy affirming a Production, Supply economy will always find demand, regardless of the products' lethality; today by advertising & war lobbyism.

- *Marshall* established mathematical microeconomics aiming to increase Corporative production, as the only goal of the 'dismal discipline', detaching its teachings from ethics and history. He denied workers the right to a minimal salary by law (only solution to the iron salary).

- *Hayek*, the 'Neo-classic guru' of Miss Thatcher, affirmed only private banks must issue money ('The denationalization of money') because public banks print too much money causing hyperinflation as the Reichbank did in 1922, sinking the Mark and bringing fascism to power. He failed to mention the Reichbank was a private Bank. He assumed ('road to serfdom') that humans were too dumb to develop a science of economics, thus the Free Jungle of Metal would work better.

-*Schumpeter* denied engineers routinely discover machines by imitating human organs & functions. 'Entrepreneurs' create wealth inventing them with his superior intelligence. Workers were however mechanical brutes. So entrepreneurs must have all rights & minimal taxation to invest their wealth. However he preached productivity as the panacea of growth (machines substituting labor) failing to notice those machines that made the economy grow are not entrepreneurs. This is now dogma.

- *Friedman wanted to deregulate all labor markets, included health, since 'quacks that kill patients' will anyway loose clients.* His obsession was to deny Keynesian economics with false assumptions and dog-eat-dog policies. Monetary policies must be restricted. Governments cannot *invent* money *the language of economic information that must be invested in the real economy to solve crisis, because this creates inflation, lowering banks' debt profits - even if the Philips curve proves inflationary investments diminish unemployment, as Friedman's nemesis, Samuelson, proved.*

-*Buchanan, from the bible belt, asked for 0 deficit laws in Constitutions to take away the sovereign rights to issue money from governments, because they would issue it to spend it on the majority of people and that is NOT the definition of 'Democracy' but the 'Tyranny of the majority'!*

-*Modigliani said all corporations not only financials must speculate as only profits matter.*

-*All use equations to hide with 'lies & statistics' their fetish for go(l)d profits for the 'chosen' owners. We conclude neo-classic economics is the equivalent of Intelligent Design that tries to substitute evolution in Biology, rightly shunned in Universities, as it makes those owners and its corporations the subjective center of the economy with null social responsibility, 'entitled' to all and deny that money is a language of information and machines just metal-systems that substitute labor, atrophy body and mind organs and in its most perfect species, 'top predator' weapons kill us since workers, seemingly are a non chosen species with null rights.*

D. Only the scientific schools of economics can explain and solve the crisis.

Let us now see how scientific economists proved false with humanist, legal measures and scientific models the obsessive themes of (neo)classic economics – Banking monopoly on money, null rights of workers; absolute rights of machines & corporations; divine inspiration of free entrepreneurs and mathematical disconnection of Economics with Humanist, Social sciences:

1. Instead they solve labor & life extinction by selfish metal memes with the imposition of ethic, legal goals of WHealth & survival over mathematical profits that make us obsolete to machines. So:
2. They impose minimal salaries and education investment to avoid unfair competition of machines, which increase unemployment as technology evolves (Ricardo, Butler, Marx, Tinbergen).
3. Ask for nationalization or regulation of finances to cre(dit)ate a demand, consumption economy based in WHealth and free-debt money (Marx, Lincoln, Keynes, Samuelson, Galbraith).
4. Prove Humans can regulate the economy with scientific, mathematical models, evolved further with, legal means, fiscal & monetary policies (Tinbergen, Myrdal, Leontief, Rostow, Keynes.)
5. Connect Economics and Democracy, affirming the goal of a better world for all men must dominate profits through a better design of economic & political Institutions (Marx, Keynes, North).
6. Point out the ab=use and null social responsibility of corporations that externalize negative costs on states & population from pollution to the military defense of multinationals; (Pigou, Galbraith.)
7. Prove the parasitic nature of stock-owners (Veblen) & null freedom for consumers in Markets where all power is on the supply side of corporations that seek monopolies (Galbraith, Keynes).

Thus classic economics, the corporations' P.O.V. is not a scientific solution to the crisis as it denies A, B) overproduction cycles ignoring true data for assumptions (Friedman) C) based often in Biblical Memes of 'go(l)d chosen' hence caring D) only for the profit corporations C) showing null predictive power & offering (D) no human solution. Only the 3 schools of humanist Economics have done so: In the first crisis the socialist school of economics, (Marx) anticipated the overproduction crisis of trains and gave name to the cycle (Kondratieff). They also proposed its solutions: nationalization of the financial industry to regulate credit in favor of welfare goods and the creation of a legal frame to protect workers from the unemployment crisis (communist manifesto).

In the second crisis the Keynesian school explained the overproduction crisis of consumption and gave its solution: to credit the production of welfare goods, 'butter instead of canons' through the creation of an international currency (Bretton Woods).

In the 3rd crisis this writer, who pioneered biologic, organic, systemic⁰ models of the eco(nomic) system, predicting 20 years ago³ a future crisis of overproduction of chips, gave its solution, similar to the previous ones: a global, legal prohibition of robotics and the creation of an international currency, ¥€\$ money, to allow huge deficits to credit a global deal to create a sustainable economy. Thus they must be considered natural steps in the evolution of a true science of economics. Neoclassic economists hold the point of view of Corporations and justify overproduction crisis because they increase corporative profits, regardless of their collateral effects on mankind. *So our financiers and economists are not solving the crisis. On the contrary because they are the cause of the crisis, their solutions (a runaway search for profits with more overproduction of those 3 metal-memes) are aggravating the crisis and harming most of mankind, as they did in the 30s.*

The anti-quantum and ego paradoxes explain why Creationist Economics exist and dominate.

But why neoclassic ideologies win over objective social sciences? 2 reasons that we call the 'Ego Paradox', origin of Abrahamic Religions and the anti-quantum Paradox of Darwinian nature:

4 billions believe subjective religions that make humans the happy center of the Universe, despite being false according to the objective, scientific method. Because *this is how Nature builds minds*. Indeed we call this trade-off between happiness and truth the 'ego paradox'. Since we measure reality from a human self-centered point of view that distorts it. So at first sight we are the still center of all measures and seem bigger than a galaxy. But we are not. Since the ego paradox confuses the zero-volume of our mind-self with the infinity of its universe's visual mapping:

'Our mind is an infinitesimal point mapping in stillness an infinite Universe: $0 \times \infty = K$ '.¹⁰

Further on, subjective egoism triumphs because if we adopt an objective, selfless point of view, we unknot the mind's perspective and stop fighting for our survival. So in the Universe there are only 2 survival strategies: maximal knotting-egoism, or eusocial evolution in which the egoist p.o.v. grows from a small individual bacteria to a bigger social organism, the species to which it gives its energy. The triumph of 'animetal cultures', tribal religions and capitalist/nationalist memes is a mixture of both P.O.Vs.: individual 'animetals' associated to stronger memes of metal that enhance their energy & information, become a small class or nation that dominates the entire eusocial P.O.V. of mankind, based in weaker Life memes. Since Darwinian power favors memes of metal - a better atom that hypnotizes the mind (informative gold) or kills our body (iron weapons) - over life memes. So since the beginning of the metal age, 'animetals', human associated to weapons (warriors), gold (bankers) and corporations of machines (scientists, neo-classic economists) have shaped the collective human mind with metal 'idol'ogies that impose their policies with the superior energetic and informative power of metal memes. But on the long term this strategy implies the systemic evolution of selfish memes of metal, so animetal castes can remain on top of a human majority, till a point the 'bad fruits of the tree of science' kill us and make all of us, including metal masters obsolete. This 'judgment day' is in the robotic cycle closer, as automated company-mothers that cater only for their offspring of machines no longer need human workers, consumers or owners.

So Biblical Economics that denies Darwin's Laws in fact rule men with corporations of machines that impose the survival of the fittest, as Carnegie put it: 'Free market competition is good for the selection of the (machine) species'. Yet what techno-utopian animetals forget is that they are made of flesh. And what survives in Nature is indeed the species, the *entire homo sapiens*, not the tribe or the individual. Hence the need for all Homo Sapiens to cooperate through eusocial love – the most successful strategy of survival, as multicellular and ant superorganisms show. Instead they

believe in competition among national tribes, considered 'different species'. And they believe in economic castes, according to Biblical Ideologies that make the rich 'chosen of go(l)d'⁵, different from other humans. And so as believers they don't reason social science that caters to all humans but censor it. We call this fact *the anti-quantum paradox* opposite to the quantum paradox that makes physics uncertain, as the observer is so huge that it 'influences' the observed particle. In social sciences the scientist is much smaller than the observable - corporations, nations & religions that influence him to cater to their p.o.v. and present them as 'nice'. Thus Neo-classic economics is imposed by force, censorship and camouflage, which 'again' are Biological, Darwinian behaviors. Thus capitalism paradoxically proves the biological school even if it frustrates biological economists in their attempts to create a better world for mankind. Ultimately the destructive actions of company mothers over Nature and human social institutions merely express their 'biological will', which is to re=produce and evolve their offspring of machines, taking care of them and designing a world made to its image. And yet the idea that the eco(nomic)system is a jungle of metal; that machines evolve – since Darwin's theory applies to any 'form' not only carbonlife species - that corporations do NOT care for humans but only for their products and that economic crisis are overproduction crisis of 'selfish memes of metal' that cause collateral damages on human beings, as radiations of top predator species do over weaker ones (graph 9), is laughable for them and never studied by those classic economists. Only Ricardo, Marx and the socialist school, greatly influenced by Darwin's work, described those crises of overproduction and the brutal treatment of humans by corporations, alienated by his work with machines that competed and threw them out of work till at the end, all human jobs will end (eq.10.1,2). The Keynesian school latter stressed the control of credit by human governments and its design of a world that promoted human welfare goods could avoid our demise. And he was right. But from the perspective of Intelligent Design that dominates most Universities and ministries of the Western world, after the neo-con censorship of scientific economics (socialist, Keynesian and Biological school) Corporations are just systems of creation of profits, the invisible hand of go(l)d, and the supreme goal of mankind. So they design an economic system camouflaged by 'damned lies and statistics', to increase only the profits of corporations and their owners, with the subconscious belief that the rich are chosen –the only ones that matter- as Weber wrote in 'The Protestant ethics of capitalism': So they blindly favor overproduction crises of metal-memes, the main cause of destruction of life - a *Darwinian biological* act. The only non-Darwinian fact is their 'unscientific, pre-Darwinian, abstract jargon' *that blinds them to their actions, as Keynes noticed: 'capitalism is the astounding belief that the wickedest of all people will do the wickedest of all things for the common good.'* That is, from a classic perspective corporations just increase profits, the subconscious hand of go(l)d, but this means in biological terms, to increase sales, hence the reproduction of machines and weapons, its most profitable good, what they call the 'Wealth of Nations' that kills men. Never mind, that is a peccadillo. Overproduction of weapons of maximal profits is always good because it makes the believers, owners of corporations richer. A Humanist economist or intelligent politician will realize this is not good for mankind, *as he uses a rational jargon and sees 'reality as it is'.* So instead he would overproduce welfare goods that make us survive and forbid lethal goods, with the values and power of ethic laws, *even if profits are smaller.* Classic economists believe corporations are more efficient and must have the upper hand; and those who rule corporations the stockratic elite must rule mankind since entrepreneurs are innovators, geniuses (Schumpeter, Hayek) –the only 'chosen' intelligent experts that create wealth. Hence they must be handled all the profits and savings and issue all the money of the world. The rest, the 99% and their elected governments are inefficient, unable to comprehend the market (Hayek). So if they rule they lead us (the 1% of chosen who matter) 'On the road to serfdom' - 'a tyranny of the majority' (Buchanan). So when social scientists (Marx, Veblen) describe the parasitic

'leisure class', and the process of production as an automated system of evolution of technology that requires not genius (Galbraith), and systematically destroys employment (Ricardo, Marx, Tinbergen), by working as human organs (Butler), they are ignored.

Capitalism vs. Democracy: Supply & war Economy vs. Demand, Welfare, Peaceful societies.

So those 2 schools define 2 different political and economic, incompatible systems:

- 'Neoclassic Plutocracies that establish 'supply economies', which cater to the 1-10% of owners and managers, its corporations, and machines of the FMMI complex, today Pcs and Robots.

- Socialist & Keynesian democracies that cater to the 90% and establish 'demand based' welfare.

Thus Democracy is incompatible with capitalism – today the government of corporations, overwhelmingly dedicated to reproduce memes of metal in the past of animetal 'people-classes' that idolized them as power tools (informative money, which used to be gold and now is a digital language of information in the brain of computers; energetic metal, weapons that kill our bodies; and organic metal, machines that atrophy and substitute our life organs). In that sense capitalism is a new dictatorship that substitutes aristocrats that in the old times thought they had the right to issue in monopoly the language of social power, then weapons, because they were chosen by the 'grace of god'. Then with weapons they coerced Courts to issue the laws they desire. In both cases, the power monopolist could not be judged and was/is not responsible. Today we have anonymous societies whose CEOs can't be judged; in the past aristocratic courts. All has changed to remain the same. The synergy between capitalist dictatorships (with informative memes of metal, money, on top) and militarist dictatorships (with energetic memes of metal, weapons on top) is absolute, since both languages of metal-power overvalue each other by affinity. In fact both systems produce cyclical wars, since weapons are the more profitable, more expensive machines. So in a capitalist system that seeks NOT the wealth and welfare of humans, weapons are the preferred machine, systematically overproduced, as it gives high profits, and war is the engine of economic growth in crash ages, when guns are chosen over butter (choice of real democracies). This explains why at the end of all those cyclical crisis of overproduction, when human demand of machines plummets as labor dwindles, capitalist 'democracies' manufacture war and fascism. Today USA spends more Gdp share in weapons than Nazi Germany before the Spanish war (5). So capitalist democracies under the Dictatorship of Corporations are solving again with 'canons' the overproduction crisis of the FMMI System, marching towards III world war. Once this Model Hypothesis is clear this work studies it with the 4 tenants of science. In paragraphs 1 to 5 we studied the Mechanical, Corporative causation of Kondratieff cycles and its Overproduction Crisis comparing the previous cycles and its war solutions with the Chip crisis of e-money, Pcs & Robotic weapons. In the next paragraphs we study the Electronic cycle, from its human & mechanical perspective to C) forecast its destructive future & give D) humanist, scientific solutions *that politicians must act up now*. Since if 'business as usual continues' profit search and lobbyism will determine 'The politics of America are the business of America'. And humans will walk the path of extinction. We shall prove now those facts with data, showing again how only the dictatorship of US corporations can explain the regularity of its cycle.

8. CYCLES OF EVOLUTION OF MEMES OF METAL: MONEY, MACHINES & WEAPONS

WAR DIVIDED MANKIND IN 2 OPPOSITE CULTURES:

ANIMETALS; TECHNOLOGICAL CULTURES THAT CREATE...

THE METAL-EARTH

AN ECOSYSTEM THAT EVOLVES METAL and extinguishes life in war cycles

HISTORY OF THE WAVE

MEN THAT ADORE THE SUBSTANCE THAT GIVES THEM POWER, METAL A SUBSTANCE MORE COMPLEX THAN CARBOLIFE:

THE WEAPON OF WARRIORS: Hard, linear, energetic metal, cuts and kills carbolife.

THE MONEY OF BANKERS: Cyclical, informative metal values similar objects made of metal, weapons & machines, more life than which priced as an object or slave.

MACHINES ARE ORGANIC METAL THAT PRODUCE AND MOVE BODY AS A THAT: Machines are organic metal that produce and move body as a that energy as a or act mind process information, substituting men in these tasks.

THE MACHINE OF SCIENTISTS: [Image of microscope]

ANIMAL CULTURES DEVELOP RACIST AND SELFISH IDEOLOGIES THAT JUSTIFY WAR AND SLAVERY, CONTRADICTING THE LAW OF BIOLOGICAL SURVIVAL: 'LOVE YOUR OWN SPECIES'

DESTROYING LIFE FORMS AND CULTURES... AND BECOMING DESTROYED BY NEW WEAPONS DISCOVERED IN WAR CYCLES:

SEMITES **INDO-EUROPEANS** **GREEK-ROMANS** **GERMANS** **MOGOLS** **IBERIANS** **JEWISH-PROTESTANTS** **COMPANY-MOTHERS OF MACHINE-WEAPONS** **AND MONEY**

WAR ENDS CLASSIC ART

10,000 **AGAINST** **2,800** **ARTISTIC** **2,000** **CULTURES THAT** **1200** **WORSHIP** **400ac** **LIFE** **400cd** **MAN** **1200** **AND** **1600** **ITS** **1800** **SOCIAL** **1970** **1940** **GOODS** **2000** **VS**

COPPER **BRONZE WARS** **CHARIOT WARS** **IRON WARS** **COIN WARS** **STIRUP WARS** **GUNPOWDER** **GUNBOAT** **TRAIN WARS** **TANK-PLANE** **ROBOTIC** **WARS**

Biological Evil+Live: what extinguishes life

THE WAVE

THE CULTURES OF LIFE: HUMANITY THAT REPRODUCES ITSELF IN THE FORM OF LIFE, REPRODUCES GOD AS GOD FOOD AND REPRODUCES MANKIND

THE LIVING WEAPONS...

ANIMISM **TAOISM** **GENESIS** **JUDAISM** **BUDISM** **CRISTIANISM** **ISLAM** **NEOPLATONISM** **PROTESTANTS** **SOCIALISM** **ECOLOGISM**

All is energy-Yang that trans-forms into information-Yin **Tao To King** **'Grow and multiply'** **Genesis** **Moses** **'Don't kill!'** **Moses** **'All forms have a living soul'** **Buddha** **'Love each other as I have loved U'** **Jesus** **'Faith and Charity'** **Mhmd** **'Man is the measure of all things'** **Da Vinci** **'Your success is a prove of divine grace'** **Calvin** **French R=evolution** **'Save the Earth'** **Greens**

EASTERN, OBJECTIVE CULTURES CALL GOD THE LOGOS OR MIND OF THE UNIVERSE, A LIVING ORGANISM MADE OF INFINITE QUANTA OF VITAL, ENERGETIC SPACE (YANG, SIVA) AND TEMPORAL INFORMATION (YIN, VISHU); WESTERN, SUBJECTIVE, ANTHROPOMORPHIC CULTURES, CALL GOD THE COLLECTIVE SUBCONSCIOUS OF MANKIND, A CONCEPT THAT EVOLVES FROM THE TRIBE OR NATION TO THE ENTIRE SPECIES: 'HISTORY' OR 'MANKIND' BOTH AFFIRM THAT A SOCIAL ORGANISM, EITHER MANKIND OR ANY SPECIES OF THE UNIVERSE FOLLOWS A VITAL MANDATE: 'GROW AND MULTIPLY' AS ALL REPEATS ITSELF AND EVOLVES INTO A NETWORK ORGANISM; Religious cultures imitate living organisms; they are born when a verbal prophet reproduces his ideas in the mind of his disciples. These believers create ethic/legal networks, acting as neurons of a collective mind that shapes with his communal actions a geographical body or nation, creating a civilization to the image and resemblance of man. They are 'Cultures of Life' opposed in purpose and structure to animal cultures; their human calls follow messages of love and do not compete but share energy and information, as calls do in any working organism. Thus, their 'blood/energy system' reproduces human-life goods, instead of weapons. On the other hand, its informative/nervous system do not use money and weapons as metal-languages of social power; but it is based in World(s), artistic images and ethic words that teach people to respect life. Thus living cultures based in World(s) try to create a Paradise based in Peace, Social Justice and Human Goods Vs animal cultures that create societies based in hierarchical castes, war and metal-goods.

HUMAN CULTURES THAT WORSHIP LIFE ART AND THE HUMAN KIND CREATING **THE LIFE EARTH**

THE WAVE

DURING THE INDUSTRIAL R=EVOLUTION, COMPANY-MOTHERS, RE=PRODUCTIVE ORGANISMS OF PEACEFUL MACHINES & PREDATOR WEAPONS, CREATE THEIR BODIES AND MINDS IN 3 AGES:

1608 <-- BIRTH OF COMPANY-MOTHERS --> 1784: BODIES OF MACHINES: AGE OF VAPOR ENERGY --> 1857: AGE OF CHEMICAL ENERGY --> 1945: AGE OF ELECTRIC ENERGY --> 2099: SOLAR ENERGY

AGE OF THE MACHINE

AND MINDS OF CHEMICAL INFORMATION... .. OF ELECTRIC INFORMATION... .. OF ELECTRONIC THOUGHT...

Animetal cultures change transforming their tribal, weapon and God religions into nationalisms, classic economics and the scientific method, New God is the nation, the language of social power money and the new brains that perceive time or senses that perceive space, no longer the human brain but the clock today evolved in computers, no longer the human eye but the telescope, today the camera. Thus the goals of History, the social evolution of man through art and ethic laws are replaced by the goals of the economic ecosystem and its animal cultures: to evolve machine-weapons, financial wealth and digital, scientific thought. The evolution of machines will again have 3 cyclical ages. In each cycle the peaceful consume machines mutate into weapons: changing history... from ages of peace and happiness... to decades of war and death once and again creating the 3 eras of modern history, till arriving after II WW, to the present cycle:

1608: GUNBOAT COMPANIES: WAR 1784: VAPOR CYCLE: PEACE 1857: CRASH AND WAR 1871: OIL CYCLE: 1900s: PEACE: 29 CRASH: 40s: II W.W. 1950s: ELECTRIC CYCLE: PEACE: 2000: CRASH AND WAR...

GUNBOAT COMPANIES BUY MEN AS SLAVES, VAPOR MACHINES LEAST THEM AS WORKERS, STARTING THE INDUSTRIAL R=EVOLUTION OF MACHINES, THEY ARE CONSUMED BY MAN IN THE HAPPY 50s, 60s & 90s, AND CONSUME US. IN THE FOLLOWING WAR BEGINS AS WEAPONS: THE 1960s, 30s, and 2000s: The vital mandate of company-mothers is to re-produce machines-weapons. Thus, when the consumer market overproduces peaceful machines, in the 3 energy cycles of machine r=evolution, after a global stock-companies crash, companies mutate the machine into a weapon and promote with lobbyism, military governments that will buy them and provoke new wars. It is the end of the happy consuming years and the beginning of a World War, usually against Life-based, 'primitive' verbal cultures, now accelerated from 800 to 72 years thanks to industrial production. Thus civilizations last now only a human generation and are called nations, which go through the same 3 ages of old cultures, as they conquer with their icon weapons the world, first Britain with vaporettes conquers Africa, extinguishing its vital cultures, then Germany with tanks conquers Europe extinguishing and now America with their electronic machines reaches the summit of global power, as the last surviving religious culture, confronts it. It is III World War.

III AGE OF HISTORY

IT IS THE EXTINCTION OF HISTORY, THE HUMAN BAROQUE, WHEN MANKIND GUIDED BY ITS VERBAL PROPHETS, COLLECTIVE NEURONS OF CIVILIZATIONS, R=EVOLVE AGAINST ANIMETALS, COMPANY-MOTHERS AND ITS MACHINE-WEAPONS THAT SUBSTITUTE THEM; WHILE VISUAL ARTISTS CREATE WORKS FULL OF ANGST OR COMMIT SUICIDE AS THE FINAL ACT OF REBELLION AGAINST A WORLD WHERE MAN NO LONGER IS THE MEASURE OF ALL THINGS, BUT THE MACHINE IS. YET COMPANIES CREATE AN ECONOMIC ECOSYSTEM MADE TO THE IR IMAGE AND RESEMBLANCE, WHERE THE ONLY ROLES AVAILABLE TO HUMANS ARE AS CASUALTIES CONSUMED BY WEAPONS, WORKERS=REPRODUCERS OR CONSUMERS=VITALIZERS OF MACHINES.

I think with numbers, I see with cameras, hence I exist as a machine!

90% of INDIANS **90% of horses sacrificed** **The Far West** **White Slaves** **Machine Bodies** **Chip-Minds... and weapons**

Vital cultures and Nature become energy, consumed by machine-weapons:

XX C: VISUAL BAROQUE: NEO-PALEOLITHIC; III AGE OF ART. **XX C: HUMAN BAROQUE: OBSOLESCENCE OF HUMAN BEINGS**

XX C: VISUAL BAROQUE: NEO-PALEOLITHIC; III AGE OF ART. The eye of the painter is substituted by the higher realism of the metal-eye (camera) proving the deviation of painting that enters a 'primitive' III age similar to its origins, but full of 'anger', like an old man that knows his demise.

XX C: HUMAN BAROQUE: OBSOLESCENCE OF HUMAN BEINGS As Human R=evolutions fail, the time of history moves backwards to a new age of religious wars when the oldest verbal cultures struggle to survive, becoming inquiries. Nations ruled by company-mothers confront them in new wars that keep evolving machines. The extinction of all forms of life accelerates. Workers and soldiers are substituted by robots. Meanwhile human artists prophesize the extinction of mankind, because not only our languages, but man himself is becoming obsolete to the new species. But animal cultures who worship machines disagree, blind to the profits and power they obtain from them.

Impressionism **Expressionism** **Deconstructivism**

Manet, Monet, Renoir, Flaubert. **Gogh, Gauguin, Poe, Dostoyevsky** **Picasso, Kandinsky, Joyce, Kafka**

1848: COMMUNIST MANIFESTO <-- 1917: RUSSIAN R=EVOLUTION --> 1989: BERLIN WALL FALLS **XX C: EXTINCTION OF MAN?: ROBOTIC WEAPONS**

The 800-80 years cycle of Civilizations-Nations & wars.

"All sciences predict the future, according to past cycles"

A-B) Accurate Data fit cyclical patterns: In graphs, the decametric accelerated vortex of Evolution of selfish memes of metal, and its 800-80 cycles of evolution of weapons fit civilizations in-between (Hesiod->Vico->Spengler->Toynbee⁷). All are killed cyclically by the overproduction of weapons and hordes of metal-masters according to the parallel 'warm weather'⁸ cycle of the steppes that multiplied nomads, which will use their newly discovered weapon to destroy them (bronze, chariot, iron, coins, spurs and gunpowder waves of global wars). And we fit in the gunpowder cycle, the shorter 72+8 years of national power cycle due to new artillery & Gold: Portugal, gunboats, Guinea Gold, 1450-1525; Spain, Muskets, American silver, 1525-1610; Holland, VOC, stock-paper, 1610-1688; France, artillery, mercantilism, 1688-1756, Then the creation of company-mothers of machines-weapons creates the Kondratieff cycles till the A-Bomb starts the age of digital weapons.

C) Model Hypothesis: A new Top predator, animetal cultures pre with metal memes on Mankind.

On top, we see the 3 animetal='man+metal' people-castes, bankers, warriors and scientists, the new top predator species that use memes of metal to control life. On bottom humanist cultures that try to build historic superorganisms based in eusocial love and welfare goods and flourish when animetal hordes civilize till a new weapon destroyed them. Thus History shows humans don't control the system. They are slaves of its power 'idol-logies' who don't reason, but believe the future of metal memes is their tribal 'manifest destiny' because the ego paradox makes them think they are special, entitled to be 'more than God' without any tradeoff. Intelligent, humble people who since Genesis' parable explain them the trade-off of using memes of metal that atrophy them to be more than life by are shunned off. Animetals are addicted to the energy and information overdrives that machines give them and deny metal also kills them. A 2nd salvation strategy essayed by verbal masters is to make them love, eusocial evolution: the understanding that all humans are members of the same species, which must love each other – share energy and information among them to become parts of stronger social superorganisms – instead of being animetals, attached to metal-energy (weapons) or metal-information (Gold, machines) to come on top. But Christian & Buddhist prophets who preached this strategy in the Western and Eastern tradition (11) won short victories as 'animetal' anti-prophets taught them to be selfish and substitute ethics for the power of metal-memes, ending love cultures, corrupting believers with weapons (Luther, son of a miner) and gold (Calvin, son of a money-lender). Meanwhile in the East, the alliance of warrior castes that use weapons to murder infidels– Jihad Islam and Kshatriya castes in India; Mongols and Samurai with muskets in Japan, extinguished Buddhist cultures. In the industrial age, animetals will add to the power of gold& weapons, organic machines that enhance our body/mind making us addicts and atrophying our organs. Warriors and bankers join scientists, creating company-mothers that *rule all Western Nations, hidden under a 'placebo' mask of 'Democratic rights' controlled by lobbies.*

A-B) In each cycle the richest corporations define Zeitgeist. Chips & Robots define XXI C. Zeitgeist. In a perfect capitalist democracy of the Anglo-American type, as the dominant financial language is controlled by private corporations, they define the actions of politicians buying laws. Hence each cycle of their history must be understood from the p.o.v. of what is best for the dominant corporations of each cycle that bid higher prices for laws. So in the I cycle of gunboat corporations, first English Merchants that sold slaves and then Virginian planters that sold cotton, the cargo of gunboats, dominated capitalist nations. So the wealthiest USA planter, Mr. Washington became the 1st president, once American corporations decided to become independent from British ones, throwing their tea cargoes in Boston (Tea Party event). And company lawyers became politicians. Then in the steam cycle as northern cotton mills and railroads became over powerful, planters lost power and the North demanded cotton to be haul by train at cheaper prices to the North, instead of

being sold at higher price to British boats (tariff issue). As there was no agreement, the North chose a star lobbyist lawyer for Illinois railroads, Mr. Lincoln, who declared war to the south, liberated black slaves no longer needed in the 'white slave' factories of New England and passed the railroad law that subvention tracks, gave them huge tracts of land to the west, allowed them to have private armies to exterminate Indians and made robber barons the masters of America who designed its geography with steel, trains & stock-paper, while yellow press imprinted people's minds and demonized the Indians that stopped the profits of land speculation. In the next cycle of electro-mechanical engines, radios and cars Edison and his friend, Ford became the most powerful legal buyers. I.e: Since Ford was abstemious he bought the prohibition law. He established moving assembly lines that threw ½ of the factory work-force while radio substituted yellow press – a fact signified by the rise of Welles, the radio master that ridiculed Heart the yellow press master in "Citizen Kane". This age lasted till Vietnam War and 'what was good for GM was good for America'. Then electronics calculated A-Bombs – an industry that used 13% of US electricity as its peak; improved avionics, making planes the new weapon of choice, instead of armed cars=tanks, and put IBM on top of Wall Street value; while TVs imprinted global minds. Its final phase is the present the overproduction age of chips, when Internet companies like Google dominate our minds. But as the robotic age comes into being, corporations dedicated to reproduce robotic workers and soldiers will become the darlings of the Financial-Media/Military-Industrial system. Their wealth already moves 'democratic governments' to evolve robotic weapons and preach productivity=Capital/labor that substitutes human workers. Thus Obama is passing laws in favor of robots and drones that substitute humans in labor and work fields. So laws start to favor robots over people. US has never created, except in brief revolutionary ages, laws to favor their people over machines and corporations. But its mass-media manufactures a 'noise' of 'correct' censorship, false freedoms, consumers' rights, economic patriotism and animetal heroes that convinces Americans to love the FMMI system and its corporations. So Lincoln is NOT the railroad lobbyist, who exterminated Indians with his railroad act and started the cruelest war of US history making it last for 4 years by subvention military railroads, instead of finishing it with a fast 150 miles campaign from Washington to Richmond, and then ended it within months of railroads arriving to New Orleans to haul their cotton but the icon hero of slave freedoms. And Obama is not a manager that passes laws in favor of the electronic, drone and robotic industries with utter disregard of the freedoms of Americans, building a vigilante state that will be automated by A.I. but the freedman hero to reach the most powerful office of the world –certainly not a 'house negro' as Malcolm X would say of him.

We live the age of TV-virtual happiness, big brother smiley and Orwellian newspeak, where the ministry of war is called the ministry of defense, and the police not yet the ministry of love but the 'home office' in UK newspeak, a caring loving place. So drones are not Terminators but save our homeboys from harm and Afghanistan is not the poorest isolated Asian nation, guinea pig of robots but the ultra-dangerous center of Islamic terrorism that menaces to destroy us. All other nations now compete to develop their drones, find their local terrorists and tag their population as 'lonely wolves', hence potential terrorists that must be watched by big-brother cameras as 'home offices' record their conversations to 'protect them'. But hate media spreading of Islamophobia works as it did radio-fascism and the colonial yellow press. As the labor crisis deepens, more millions loose their jobs and people turn violent robotized, vigilante police will control them first in USA, where capitalism is absolute; and as military A.I. takes over, all over the world. The evolution of American big brother is relevant, since USA is the leading electronic nation, hence a glimpse into the future of the world, when its technologies spread globally. It is also a 'nation of nations', where mass-media manufactures the 'tabula rassa' minds all races & cultures adapting them to love each new machines of the FMMI system. There artists, the only free 'human beings' that don't idolize

machines, explain in sci-fi movies that future, as serious non-fiction economists with humanist models of the eco(nomic)system are censored. Thus the death of the American 'democratic dream' of an equal humanity in control of his destiny that creates a world to its image and likeness, and the rise of the American nightmare – a nation without limits to the rule of corporations that 'buy' laws to favor their metal-memes, and create a world to their image and likeness is the future of all nations, *if the model of industrial overproduction and corporative monopoly of credit is not substituted by a model of credit regulated by Governments to create a sustainable world based in welfare goods.* US democracy is over as lobbies for the leading electronic industries of the day invent laws during Bush & Obama administrations. The future is designed by the wealthiest corporations of each evolutionary cycle of machines. As they adapt 'democratic' laws to foster the production of its metal memes. So as robots take over humans, laws in favor of 'productivity' (expulsion of labor by capital=PC & robots), and robotic wars (drone laws) become routine. Indeed Obama is accelerating the extinction of life by robots in a higher measure than the Bush administration. He is doing his job, which is to sell laws to the biggest bidder. And yet, as the FMMI system degrades further the humankind, paradoxically humans become happier and protest less, since the increasing power of mental machines makes them abandon reality into the false virtual media world of happy lies that simplifies their brains, make them ever more 'selfish' homo bacteria and hence prevents them from understanding the system and caring for anybody else. Thus as we degrade humans) from the heights of eusocial religions of love, when we were part of superorganisms of history joined by ethic behavior, able to control the world as social groups, to the homo bacteria, even lower to 'bestial behaviors' of immediate reward and visual violence proper of the Neo-Paleolithic (graph.4), the chances of a social r=evolution diminish. To that aim, virtual reality now entering 3D worlds, and happy fictions of mass media will increase their synergies with wars against poor nations, sold as video games, as the 4 subsystems of the Financial-Media/Military-Industrial evolve together. So humans will be kept at minimal cost in their cubicles with trash food and 3D virtual reality, as passive plants while 'citizen robots' make our jobs. Who designs the actions of most humans in this overproduction Age of Metal Minds? Corporations of the FMMI system that manufacture both, the mind of machines & the mind of humans who believe them. When robots reach A.I. corporations will give that power to their offspring of machines. Thus Capitalist Systems are NOT Democracies who build a human future or 'Free Markets' but Jungles of Metal, whose citizens are NOT humans but Corporations *that use their monopoly on credit to 'buy' politicians and its laws to create a world made to the image of their offspring of machines. So no computer goes hungry without electricity but it is OK that 1 billion humans go hungry – no robot goes out without work, but it is ok 2 billion humans are underemployed. And because corporations can 'value themselves' in markets, they constantly increase their 'fiat money' value, to the point that the flagship of the overproduction age of chips – apple – is worth more than 150 millions Pakistanis (GDP). Since capitalism is NOT about humans but about 'memes of metal', capital, machines and weapons. And so in a capitalist system ruled by company-mothers for whom only profits matter achieved with higher productivity, humans will be replaced in labor and war fields by robots that will become the new top predator species of the Earth and the wealth of nations will peak when those robots extinguish us in W.W.III.*

'Free market citizens' deem humans unworthy of spending money on their welfare; unworthy of working when a machine, a blue-collar robot or white-collar pc makes a better job.

D) Humanist Praxis. Social R=evolutions. Economic and political 'enlightened' scientists tried to r=evolve people against capitalism during the French, American, Socialist & Ecologic R=evolutions (bottom, graph 7.1). But 'animetal' warriors – Napoleon, Washington and Stalinist dictators in communist countries killed r=evolutionaries. So we have returned to a world that makes of weapons, go(l)d and machines the idols of power that allow modern animetal castes to come on

top of the 90% of mankind and control them with machines, the new memes of metal that create the 'Financial-Media (information machines)/Military-Industrial (energy machines) Eco(nomic) System which rules the world. But this control obliges them to keep evolving those machines in a runaway process that will finally at an accelerated path bring their extinction. *Of all those happy lies* of the financial-media system that imprints money and the ideas of mankind *the biggest of all* is the absurd belief that 'Capitalism' and 'Democracy' mean the same. They are in fact as opposed as 'Military dictatorships' and democracies are. Since capitalism is a 'dictatorship' of money and those who monopolize their issue – but far more difficult to understand and change, as it is more sophisticated in its handling of information than military dictatorships, which merely control people with the energetic military-industrial side of the FMII complex.

The 80 years cycle of Industrial Nations & World Wars: Overproduction Crisis.

Modern history experiences a cyclical change every ±72 years - a period historians call the *Generational, Human Cycle*², since 72 y. is the mean biological cycle of 3 human generations: Humans discover a new type of energy, used to reproduce Metal Memes, Money, Media, Machines & weapons, evolving the Financial-Media (informative head) x Military-Industrial (energetic body) Complementary, Organic eco(nomic)system, every 72 y. the human life-cycle, divided in 3 national generations of founding grandfathers, discoverers of the new energy and machines of the cycle; their sons, captains of the industry who reproduce massively those machines till saturating the market; and then after a series of overproduction crashes of stocks, a 3rd age of decadent grand sons, who use the machine as a weapon in global wars to keep profits going and rise their nation to the top predator status of history under the 'idol'ogies of Nationalism, Capitalism & Technoutopia. Since in search of profits companies overproduce machines & money, saturating markets' peaceful consumption and provoking in the cycle's middle point, a global crash of stocks' population, solved switching production to top predator Weapons & Hate Media, the 'evil twins of the FM²I system that reverse its + symbiosis with humans, destroying our bodies and eusocial minds. The Graph shows those 4 national Generations who build metal-bodies, engines & metal minds assembled in robots:

The warrior master brings death with nationalist excuses, as the market changes to weapons production after an age of overpopulation crashes

I. STEAM Great Britain
Founding, Mature, Decadent
1814---1850---1880s--1914

II. CHEMISTRY Germany
Founding, Mature, Decadent
1871---1894-----1914---1945

III. ELECTR(ON)IC Jewish-American Empire
Founding, Mature, Decadent
1914---1945 ---1973 ---2008?

IV SINGULARITY FUTURE:
ENERGY-BOMB-REPRODUCTIVE MACHINE-TOPT PREDATOR WEAPONS

NEW ENERGY/BOMB->TRANSPORT MACHINES->WEAPONS

WARRIOR MASTER!

BRITAIN ARMOURS ITS TRAINS AND USES STEAMERS TO DOMINATE AFRICA & ASIA; 30 MILLION NATIVES DIE

Disraeli conquers eastern lands from 'Primitive Hindus'

II. W.W. DR. PLANES & TANKS

I W.W. CHEMICAL EXPLOSIVES

WARRIOR MASTER

Hitler reconquers historic eastern lands from 'primitive slaves'

II K. CRACKDOWN 1929

III K. CRACK 2000-01

SELF-SIMILAR

TERMINATORS BECOME THE MAIN INDUSTRY OF ISRAEL

WARRIOR MASTER

GUARDIAN PREDATOR

Sharon reconquers historic eastern lands from 'primitive Arabs'

DR. DEATH

EMILIN: Discoverer E=MC

DR. DEATH

BISMARCK, THE 'GOOD GERMAN'

THE 4 GENERATIONS OF ENERGIES & MACHINES OF THE INDUSTRIAL RE-EVOLUTION EVOLVE IN 3 AGES AS ENERGETIC->TRANSPORT->WEAPON MACHINES DISCOVERED BY PHYSICISTS->REPRODUCED BY TRADERS USED TO CONQUER EMPIRES BY WARRIOR POLITICIANS

DR. DEATH

JEWISH-AMERICAN EMPIRE

WARRIOR MASTER

WARRIOR MASTER

During the Industrial Revolution, a new nation and its 3 generations of engineers, discoverers of the new machine & energy of the cycle, become the founding fathers, industrial reproducers and decadent warriors of nationalistic wars, carrying the evolution of the machine to its military completion... Now in the Singularity Age, machines becomes organic, so we make self-feeding bombs, and if we survive them, self-reproductive factories (nano-bacteria) and Robot life...

DR. DEATH 1986-2008-- -2037?-----2073

BLACK HOLES

IRON NANO-BACTERIA

ROBOTIC LIFE

- British generations, who used physical, steam energy to power metal bodies, trains & steamers & print stock-money, ended after the 1857-73 crashes in an age of racist yellow press & colonial wars.
 - The German generations of electro-chemical engines, hearts of metal that printed electric money, the software (ticker speculation) and powered cars and planes, the hardware, ended in Nazism.
 - The American age in which electronic systems printed e-money, the software and evolved 'Minds of metal'; mobile-ears, cameras-eyes and chips brains now in its decadent 'Weimar Republic'.
 - The Future age of robots & singularity weapons when all those parts are put together into organic machines, completing the industrial evolution of metal. It's *the last cycle that must be aborted* for life to survive, designing instead an eco(nomic)system that switches production to welfare goods (12).
- Next graph resumes all the mechanical, economic, political & social elements of those cycles:
- Energy & Machines go through 3 ages. Once the energy is found, it is used in bombs and powers engines. Those engines then are applied to transport machines and reproduced massively in an age of peaceful consumption. But the market saturates and there is a ternary wave of stock-crashes. Then machines evolve into its top predator form, a weapon and an age of war ensues, lifting profits of corporations. Thus we divide history in ages of production of peaceful machines, followed by overproduction crises that change history in to an age of overproduction of weapons, fascism and social revolution. At the bottom we observe those ages from a human perspective: Society according to that 72±8 years cycle, goes from a decade of happy consumption - 1850s, 1920s and 1990s – into an age of machines' overproduction and Stock crashes (1857, 1929, 2001) that brings an age of poverty, war and fascism - the 1860s; W.W.II and W.W. III.

3 ages of energy: steam, oil , electr(on)ic Energy x 3 Ages of machine R=Evolution:

Youth: EnergyBomb; Maturity=Transport- 3rd age:Weapon = War



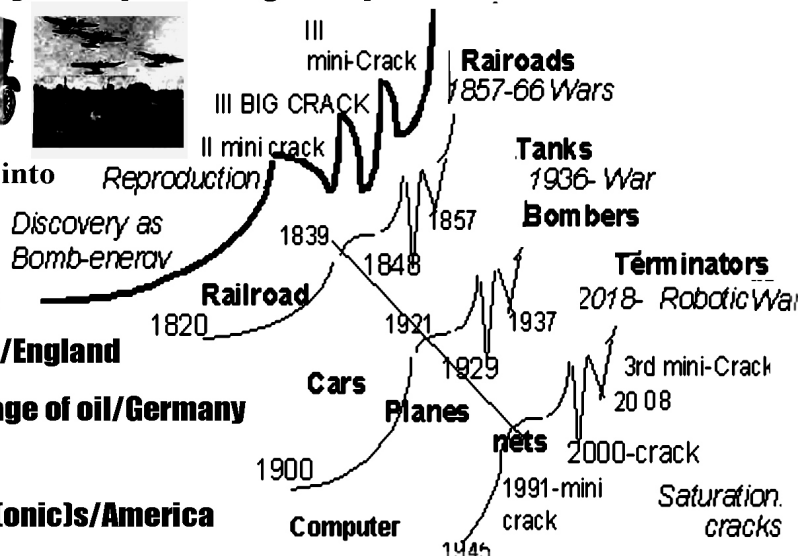
The mutation of machines into weapons determines the...

3 ages of modern History:

The age of Steam/England

The age of oil/Germany

The age of electr(onic)s/America



1850s: trains,



1920s: cars



1990s: pcs:



1857: train crash,



1929: car/radio



2000: chip crash



R=evolutions:



1848 - 1920s: Socialism - 90s: globalization



I W.W.:1860s:



II W.W. 1940s



III W.W. 2010s

A-B-C Data-Cycles-Model: 72 y. overproduction crashes divide each wave into peace & war ages. The 3 ages of Machines-weapons: As the graph shows (top left) each of the 4 Kondratieff cycles of the Industrial R=evolution is a wave of 3 types of machines, parallel to the 3 ages of organisms:

- A young, discovery age of new energies, used as weapons & engines: The age of steam, of electro-chemical engines, the electronic age of A-bombs & now the discovery age of solar systems.
- A mature age of transport machines that expands worldwide the wave, in an cycle of prosperity and peaceful mass-consumption –ages of trains, cars, mobile Pcs & future age of A.I. robots.
- Then overproduction saturates the market provoking a crash on sales, profits and stock-markets: 1857-73 train crashes, 1929-37 car crashes & 2001-08 crashes of chips & e-money. Those crashes divide history in an age of peace and an age of war, as corporations armor transport machines, switch production to weapons and lobby politicians to declare ‘splendid little wars’⁷:
- A 3rd age of weapons, the most evolved machines of each cycle whose overproduction causes wars for profits: Age of trains and colonial wars (1860s-90s); of cars=tanks (1930s-70s); Age of electronic, vigilante cameras and the future age of terminator robots. So at the end of the ‘Age of Germany’, its Kondratieff wave of electro-mechanical engines and chemical gases were used as weapons during World War II. It was the fascist age of cars=tanks, planes=bombers and Zyklon. Then the electro-mechanical wave was substituted by the Age of Digital minds (TVs, computers, mobiles, which act as metal-eyes, brains and ears of future robotic species). So we started a new dual wave of ‘electronic machines’, which evolved and reproduced in increasing numbers till saturating the global market, provoking the crashes of overproduction of 2001 and 2008.

In detail, each Kondratieff cycle lasts 3 x 36 years. Since 36 years is 1/2 life when the 3 generations of industrial grandfathers, sons and grand sons are between youth & 3rd age working on top:

8.1 108 years cycle=36 discovery years+36 peaceful consumption (crash)+36 weapons production

But the 1st age of ‘discovery’ has limited effect as production is minimal, *overlapping the 3rd war age. Thus only 36 years of industrial overproduction->Crash->36 war years=72 years cycle matters.*

So the 72-years cycle is: Humans consume machines – Crash – Weapons consume humans:

8.2 1784 (Watt discovers the steam machine) + 36 years → 1820s, Britain starts the train wave → 36 years of peaceful train machines → crashes of 1857+7 years→1864+7 years →1871.

8.3 1850s: Discovery of oil and electric engines+36 years→1890s, 1st cars and light bulbs start the reproductive phase of electro-mechanical engines→ 36 years → overproduction crashes of 1922-1929-37→ 36 years of bomber and tank wars till Vietnam.

8.4 1930s (Quantum, electronic physics are lay down)→ 36 years (discoveries of TVs, Atomic bombs calculated with first ENIAC computer) → 60s to 2000s →36 years of peaceful reproduction of electronic gadgets → 2001-08: Overproduction crashes of chips 08 → 36 years: military age of vigilante chips coinciding with the discovery of robots... *The Age we live now.*

8.5 2001-2037: Age of Robotic discovery→2037-2073: A.I.: Robotic citizens→2073:Overpopulation Crash of ‘Living Robots’→2073-2109: Robots extinguish all forms of life⁴. *Since in the robotic age competition in the eco(nomic)system will be between 2 species: robots made of stronger metal with the same organic forms than human workers & soldiers, who have lesser force and slower speed of information. Hence according to Darwin’s laws robots will extinguish humans in labor&war fields.*

Since corporations, the ‘company-mothers’ of those machines never cease their reproduction and sale for profits, at the end of each of those dual 72±7 year cycles there is a crisis of overproduction of the FMMI system and its ‘memes of metal’– informative money & Media, energetic weapons and organic machines – that saturates consumption markets, provoking an age of Stock-Market crashes (1857-73 crashes of train stocks, 1929-37 crashes of ticker money, 2001-08 crashes of e-money).

Thus at the end of a Kondratieff cycle, overproduction of metal-memes provokes 5 parallel crises:

1. A crisis of overproduction of fiat money, printed with informative machines (which financiers sell to people in exchange for real wealth, ruining them when that excess of fiat money loses value).
2. A labor crisis, since workers are substituted by new tool machines of increasing re=productivity.
3. A war crisis, as industries overproduce top predator weapons (the evil twins of machines) & lobby warmonger politicians to declare profitable wars to increase sales by depleting & renewing arsenals.
4. A Crisis of ethic values due to hate-media. 5. An endemic scarcity of welfare goods. Since the use of most planetary resources for industrial overproduction causes a parallel underproduction of 'life memes', the goods that biological humans need to survive, splitting society between:
 - A) Financial and industrial corporations that make fortunes overproducing fiat money, lowering costs with new tool machines that increase productivity, selling new weapons & hate-media.
 - B) Most of society that becomes poorer buying worthless fiat money & losing their jobs; lose their freedoms if they protest, become brutalized by hate-media & get killed in wars by the new weapons.

I Cycle: The 1870 crisis caused by the overproduction of stock money and railroads eliminated millions of jobs in the transport sector as trains were used to fight civil and colonial wars.

II Cycle: 29 crisis caused by overproduction of electro-mechanic engines that automated assembly lines, created massive quantities of speculative, 'electric' ticker money and saturated the markets of cars and tanks, which Germany overproduced to come out of the crisis, provoking a world war...

III Cycle: the Chip cycle ends in overproduction crisis, unfold into 5 parallel sub-crises as chips:

- Invent enormous quantities of e-money derivatives, multiplying by 100 the quantity of money in the hands of corporations and their owners, but ruining the middle class, who acquired those derivatives in 3 shorter, 7 year cycles of new financial products – the dotcom crash of 2001, the mortgage crash of 2008 & the future euro-dollar currency crash of 2015, as Central Banks print massive amounts of currency wasted acquiring 'toxic assets' from financiers, *instead of investing in the real economy.*
- Multiply white-collar pc-secretaries and blue-collar robots that halve the need of human jobs.
- End welfare states, as corporate fiat money, sold to states, raises taxation and causes debt crises.
- Create ultra-expensive Robotic Weapons that are in their takeoff phase as a military industry.
- Multiply audiovisual hate speeches synergic to weapons that deviate guilt from corporations into enemies & the poor causing both an age of electronic control, neo-colonial wars & loss of freedoms.

D) Humanist Solution: A biological, scientific analysis of Free Markets shows the need to regulate the evolution of technology, pruning the bad fruits of the tree of science, weapons, robots and polluting industries, as we do with lethal organisms (virus, predators) to limit their competition with mankind, while fostering biological, human goods needed for our survival (agriculture, education, housing, verbal ethics, health, environment) if we want to make the world sustainable for life. Unfortunately, the dominant, neo-classic Model of Economics imposed by corporations fails those A-D steps of science, with null predictive power, no logic explanation of the Industrial Evolution and negative praxis for mankind, as it preaches 'productivity' (substitution of human workers by machines) and accepts weapons as wealth. Thus it is the power ideology & point of view of corporations, metal memes & their owners, NOT a science that can solve the crisis for mankind and must be rejected. It is thus imperative to end the overproduction crisis of chips & stop the Robotic cycle before A.I. starts its war age by *overproducing instead welfare goods*, following the advice Humanist economists gave to come out of previous crises: '*Butter instead of canons*'. Since Machines are biologic systems of metal that *compete with humans in labor and war fields*. So we must prune overproduction of the lethal fruits of the science tree, as we forbid lethal germs. We can do it, because humans who evolve those machines cause the FMMI cycle periodicity. So they can stop it, as long as A.I. doesn't make machines conscious of their nature as a fitter species, which will extinguish the weaker species according to the Laws of Nature that men try to defy. We shall dedicate the rest of this model to study the electronic cycle and its mechanical & human futures.



9. THE AMERICAN AGE – THE ELECTRONIC CYCLE.

America rules the III Cycle of electronic machines from World War II when the 1st computer, ENIAC, was used to make A-bombs, to the age of chips, whose massive reproduction caused the crash cycle and the war age of vigilante camera & robotic weapons. Thus the 3 ages of electronic 'informative machines' are dominated by: television in its young age of discovery; computer chips during the mature age of peaceful consumption; and robotic weapons in the 3rd age of war:

- *Birth as a weapon:* In 1937 Germans create the first accelerator to research fission. Today they want to make black holes at CERN that might blow the planet¹¹. During the War the 1st electronic machines show better mathematical skills - the language of metal – than humans. ENIAC, the 1st computer, is used to calculate the 1st A bomb, the purest form of electronic energy (13% of American electricity goes into manufacturing nuclear bombs), latter evolved for consumption into peaceful Nuclear, Electric plants. In 1940 TV screens are invented as radars to trace submarines.

- *1945-1971: The young, energetic age of visual televisions (metal-eyes).* After the war, a boom on electronic consumption and household-electric appliances begins. In-form-ation machines acquire a new dimension of form, becoming visual with the TV-set. In 1936 BBC begins its first emission of black and white Television. After the war electronics are applied to fixed, big household appliances. Machines are still huge, mainframes, fixed studio cameras. TVs replace electric radios in the altar that controls our collective mind, as radio replaced the printed Bible, and selfish I=faith Lutherans had replaced the eusocial, catholic messages of love of the original Gospel.

1971-1992: Maturity. Age of Computers (metal-brains).

IBM develops computers for accountancy to calculate monetary information. As electronics evolve, they become smaller and with the arrival of chips (1971), mobile machines soon over reproduce: Everybody has a mobile phone (a metal-ear), a mobile PC (a metal-brain) and a mobile camera (a metal-eye). Internet saves the day, but finally the overproduction crisis we live starts in the 2000s.

1992-2008: 3rd Age & social evolution. Internet: Social networks As Pcs multiply, their messages increase its simultaneity, arriving to a growing number of humans. They also increase its informative complexity, till merging in Internet all human visual, printed and verbal information. It provokes also ADD disorder by informative overdrive (eq.10.4), degrading further the verbal, logic mind (4). Billions of web pages convert social behavior in narcissist ego-trips with no leaders. R=evolutions were passively televised. Now are 'webised'. Humans are no longer actors but passive receptors, virtual characters who believe the manufactured world of mental machines more than the real world perceived with their senses. Kids see 'Lion king' instead of zoos.

Fixed Robots: Brains+eyes+hands. Meanwhile the IV cycle of robots enters its 'discovery age': Computer brains, Metal-eyes (cameras) and Body platforms (mainly arms), come together in the first robotic workers that provoke a massive loss of blue jobs in the car Industry. The 3 elements that converted man into the top predator of the Earth (3 dimensional eye vision, brain power and hands) are now put together in those machines, foreseeing the XXI century robotic r=evolution.

The 3rd age of electronic machines witnesses the change of use, from consumption to war. In 1991 Desert Storm solves an overproduction crash. After NASDAQ's crash, Iraq war deploys the 1st robotic weapons. If the cycle continues as usual, it will last 36 years, creating Terminators that might extinguish mankind, as the baroque prophets of Hollywood envisioned. Finally, computers network evolve machines and corporations, ruled by flows of digital money, completing its evolution and transforming the eco(nomic)system into a global organism, the Metal-Earth.

Einstein: Discoverer Gates: Reproducer Military Lobbyist: Bush Sr. & Jr.



In graph the 3 generations of the USA electronic cycle: Einstein, who discovered the photoelectric effect, founding electronics and the equation of transformation of energy into matter that gave birth to the atomic bomb; Bill Gates, the king of electronic information in the pc age, the richest man of America, as Ford and Rockefeller were in the oil age or Stanford, king of the railroad, was in the Steam Age, or Washington, king of the plantation economy, was in

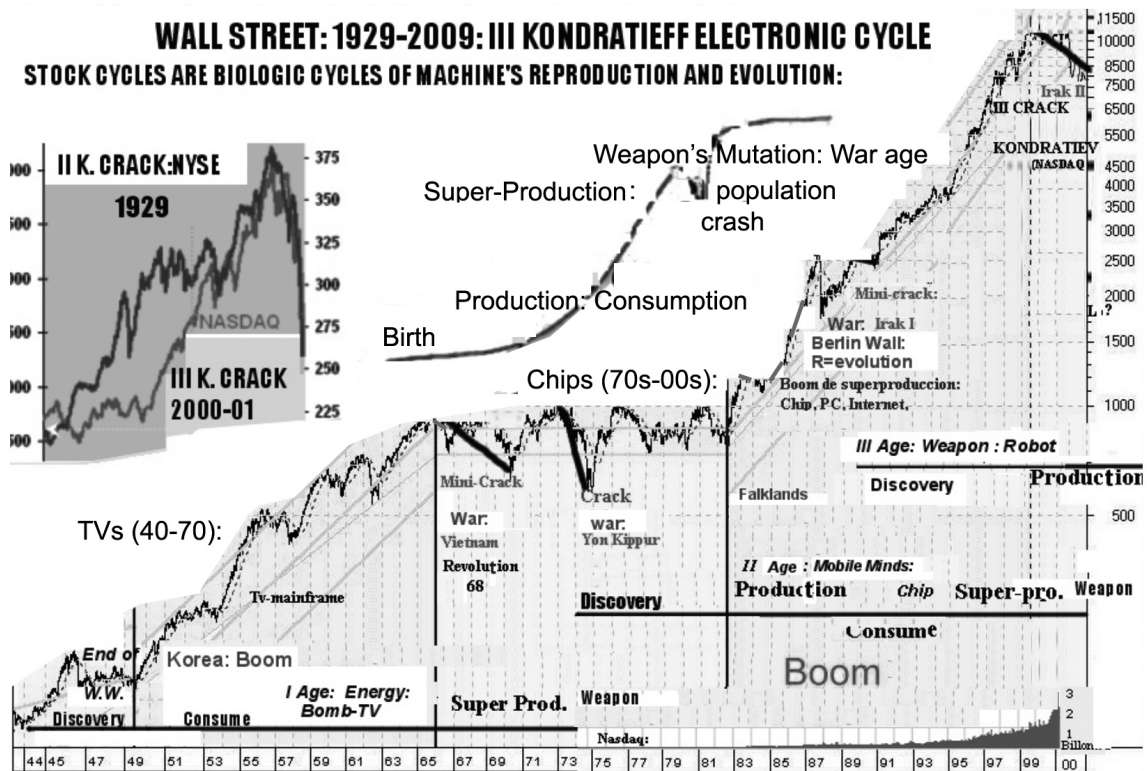
the colonial age. And the Bush dynasty of war presidents with interests in weapons and oil industries. While films show the 3 ages of its audiovisual culture in art: an energetic, young age of Westerns and romantic epics; a mature age of sensory pleasures, after II WW. and a baroque angst showed in science-fiction prophecies of human extinction by machines.

From a human perspective the electronic age is the age of America, since the US won II World War, 'importing' Jewish and Nazi pioneers who mastered the new energy in 3 generations:

- The tough founder generation of Rockefellers and Roosevelts, who defeated Germany. We respect them because Founding Fathers are ethic, hard-work idealistic people. They saved twice Europe of its German death. In art it is the age of epic, simple, dramatic films (Westerns).
- The reproductive generation of the post-war age, who expanded peaceful consumption of electronic gadgets. It lasted till 1971-73, when the chip and a new type of money (electronic money) appeared. It is the classic, sensory age of America that gives birth to a pleasure seeking revolution during the 60s and more humane attitudes towards the rest of the world. Americans were then imitated by the entire planet as their culture reproduced worldwide.
- The decadent generation: Once the American classic age and the 60s revolution ends, the massive reproduction of electronic money by Wall street, of smart weapons by the Pentagon and violent movies by Hollywood, creates the extinctive generation of war loving, ignorant, TV minded Americans who impose his monetary & military power worldwide. Neofascism militarizes the economy announces the end of American freedoms, in alliance with fundamentalist Israel (Sharon), which made of a small conflict that could be solved by diplomatic means (the Jewish/Palestinian wars) a World war, hand in hand with fundamentalist Islamic groups. In politics an actor, Reagan starts war propaganda with hate TV speeches on the evil, communist, empire, while investing massively in weapons, destroying the welfare state. Then a dynasty of weapon's lobbyists, Bush Sr. & Jr., manufacture 2 splendid, little e-wars (Dessert Storm I, II).

The Neopaleolithic. But it is the visual hardware (4) what truly brings about the spiritual decay of Americans: they become dramatic, infantile, selfish, violent, simplistic or cynical or return with 'angst' to the past, in a recurrent religious process, observed in previous industrial cycles, called 'Revivalism' that brings back Biblical, Protestant & Jewish fundamentalism. While Electronic art, (FX films, TV programs, video-games) simplifies ethic and aesthetic values, ushering mankind fully into a neo-Paleolithic age of violence and gore - *the age of Death of the human mind.* The Neo-Paleolithic happens first in America, where humans are more exposed to the new mental machines that substitute and atrophy theirs. The rest of mankind scorns the despise the American psyche without realizing America is just a tapestry of all human races, devolved into a future made to the image and likeness of machines that will soon devolve the minds of the Old World, as Corporations expand their software and hardware globally. Thus we talk of the 3rd age of Mankind, a period in which the values of money (greed, consumption of machines) and weapons (death, revenge), become the correct behavior of all film heroes.

WALL STREET: 1929-2009: III KONDRATIEFF ELECTRONIC CYCLE
STOCK CYCLES ARE BIOLOGIC CYCLES OF MACHINE'S REPRODUCTION AND EVOLUTION:



Let us now explain how corporative profits rule America, with a praxis of biologic economics that combines both mathematical and bio-logic data to show 'reality as it is': The explanation of the stock markets curves during the electronic cycle and its relationship with weapons and wars.

The electronic cycle of finances starts after I W.W. when the \$ became along the Mark and the Pound, the new International currency. But a ternary system is unstable (3 body problem). So finally, the country with the bigger GNP becomes the new top predator International currency. Since America had won I W.W. with its weapons and \$ loaned to Europe, as the world asked \$ to pay those loans and imported US industrial products, the dollar became the international currency, substituting the Mark (1922 crash) and Pound (1928, pound crash). Today we are in a parallel situation, with 2 old currencies, the dollar that plays the Mark's role & Euro that plays Pound's role and the new top predator currency, the Yuan that will have unlimited rights to deficits, once it becomes convertible. This will be the 2016 crash of the 2001-08-16 series (2). So the graph shows the \$ age between both parallel 72 y. crashes (top left), when USA had as Germany & UK before or China after her, unlimited rights to credit=deficit since it owns the World Currency. A privilege Mankind must achieve with ¥€\$ money to pay welfare deficit – the global solution to the crisis (11).

A) The data is the more relevant of economic science: stocks-data.

B) In the left, the cycle is parallel to the 29 crash cycle, proving the 72 years generational cycle of evolution of machines, reason why we predicted this crash 20 years ago.

C) The explanation is biological, since stock curves that measure companies' profits=sales=reproduction=population of machines have for each industry & Kondratieff cycle of evolution and reproduction of machines stocks the same form *than Volterra curves of biological radiations* of top predator species, with the graph's classic 'chair' shape: The discovery age of the cycle of more evolved energies/machines is akin to the birth of a top predator species that increases in a steep curve populations as it extinguishes less evolved preys (machines & workers). Then the curve enters a plain phase, as the radiation of the new top predator/machine expands globally adapting the eco(nomic)system to its image and likeness. Then overproduction crashes are equivalent to top predator population crashes when they saturate its econiche – in the mechanical case, when jobs are taken from weaker machines and humans or their 'preys' are all killed in war. At this point the species suffers a series of Volterra, small up and down, predator-prey curves that provoke new

overpopulations and depopulations of their eco(nomic)system – the 7 year smaller boom and bust crashes of over-re=production, provoking finally the extinction of most of its preys, (end of labor in the sector of the new machine or end of war with the massacre of the less technological nation.)

So we see those 3 phases for the 2 main electronic species, TVs born in the 40s with exponential grow that saturate the market in the 70s, when Chips are born with exponential grow till they saturate and crash the market in the 2000s and now evolve as weapons. And so after those crashes we see (lower part) how 'little wars' (Korea, Vietnam, Iraq) took America out of the crisis.

D) Thus the human solution to mechanical predation of human workers and labor is obvious: the nationalization of stock-markets to control its credit to lethal goods and cre(dit)ate instead human welfare products, 'Butter instead of canons', before the mutation of robots into weapons kill us all.

We conclude that a capitalist system is a dictatorship of company-mothers of machines, which as any parental organism does, promotes the 4 biological drives of existence of its stocks of machines – the same that define life beings, as systems that 're=produce', evolve, feed on energy and information, compete with rival species for limited resources and evolve socially into herds and multicellular organisms. This is exactly what company-mothers do: They imitate human organs designing machines that process energy and information. They reproduce and evolve them. They take care of their offspring of machines, designing a world to its image and likeness and competing with other company-mothers trying to extinguish rival species, both mechanical and human, in labor and war fields. Finally they have cre(dit)ated an eco(nomic)system, which is evolving into a global superorganism directed by their genetic, digital, informative monetary language that *substitutes and extinguishes the previous ecosystems of humans (history) and life (Gaia)*.

So as robots evolve, humans are becoming obsolete in the eco(nomic)system, as most animal life became obsolete in the human Historic ecosystem. And as humans extinguished most animals, robotic weapons will extinguish us in the future. This finale is not Sci-fi. On the contrary, it already happened in the I and II cycles of overproduction, with obsolete humans labor: In the colonial cycle, Western Industrial nations, which no longer needed energy slaves for their corporations extinguished millions of human beings in America, Africa and Asia, to appropriate their raw materials and lands, with utter indifference to the 'humans' living on them. In II World war, weapons consumed 60 million humans that eliminated most unemployed. But in the robotic age all humans are potentially obsolete as workers and consumers. So according to Darwinian laws, from the perspective of corporations, which are NOT human organisms, but organism of reproduction of machines, human extinction is the natural, biologic solution unless our social institutions, politicians and governments forbid legally robotics and reign over the will of corporations. From the perspective of the owners of corporations, their goal is not the machine but profits. However profits are obtained by reproducing more, hence selling more machines of higher price, which is a direct function of their quality, maximized in weapons, and their lower cost, maximized by firing labor and increasing industry's productivity Hence the equation of profits is a biological equation that maximizes the reproduction and evolution of machines and the extinction of human labor, akin to any biological equation that describes the biological radiation of a top predator species - in this case a machine - and the extinction of its rival species, in this case human labor & life in work and war fields. It can be described with the abstract, subjective, non-scientific jargon of economics:

9.1 *Max. Profits = [Max. Reproduction (Max. Sales) x Max. Evolution (Max. quality=Price) – Min. Cost (Max. Re-Productivity = Max. Capital x Min Labor=Max. Human Extinction)].*

9.2 *Max. Profits = Max. Sales x Max. Price – Min. Cost.*

Or it can be explained with the objective, biological, scientific jargon of evolutionary economics:

9.3 *Max. Reproduction x Max. Evolution=Top Predator Radiation = Max. Human Extinction*

Following the 4 points of the scientific method, we can predict that future of the crisis as we have done for 2 decades, if business as usual continues and neo-classic economics applies its dogmas: Since weapons are the goods of higher profits, in a pure capitalist system in which credit is not democratically controlled by free elected governments, financial and industrial corporations in search of higher returns will sponsor, as in the previous crisis, 'canons instead of butter'. Thus in the 3 crisis War rhetoric substitutes diplomatic solutions to armed conflicts, fuelling investments in weapons; mass-media enters an age of hate speeches (yellow press in the I cycle; radio-hate in the 30s and Hate-TV in the 2000s) and the world enters an 'in crescendo' cycle of Keynesian militarism that instead of bringing a global 'New Deal' ends up in 'splendid little wars'⁷. Thus societies move from a decade of happy consumption – the 1850s, the 1920s and the 1990s – into an age of overproduction of fiat, worthless money, machines and lethal weapons that causes in the social milieu an age of poverty, war and fascism: the 1860s; W.W.II and the present age of permanent war on terror that fuels the take off of the ultra-expensive, highly profitable industry of robotic weapons; while labor is lost, as companies automate their factories with blue collar robots and their managerial tasks with white collar pcs and software suits – in the 20s with electromechanical engines that created moving assembly lines; while managers used Taylorism to monitor workers. So we are living the 30s bis: debt-ridden nations that bought to financiers worthless fiat money now have to pay back rising taxes, burdening a middle class that has lost their jobs to machines, while the rise of militarism and fascist media ensures the control of a desperado population. Previous crises ended with massive wars that killed the unemployed while a new Kondratieff wave created new jobs in emerging industries. Unfortunately the last Kondratieff wave – the robotic cycle - will NOT take mankind into a new age of growth, because it means the end of the Industrial Evolution of machines. Indeed, as Nature puts together, heads, bodies and legs of simple viruses, once they are created separately, ending its reproduction robots put together the bodies of metal, engines=hearts and minds of metal of the previous 3 cycles ending the Industrial Evolution. Hence robots mean the arrival of A.I.; the creation of a new organic species that no longer requires humans to consume machines (robots consume their own cameras, solar panels, etc.) and new workers to make them (automated factories use robots to reproduce themselves). Thus unlike the previous cycles, the robotic cycle causes the displacement of humans in their 2 economic roles, as consumers and workers, starting an age of open competition between the human species and organic metal, in war and labor fields, foreseen only by robotists and science fiction writers, due to the censorship of corporative economics in all issues that don't favor their subjective point of view. Those are the bio-logic conclusions of understanding machines as what they are – systems of metal that humans create, by imitating our biological functions and organs, enhancing our capacity to process energy and information but also competing and atrophying those organs they substitute. D) Thus the end of the industrial evolution means the obsolescence of human beings unless we forbid legally the evolution and overproduction of robots, as we do with lethal viruses, which despite its simplicity do kill humans. It us thus needed a UNO moratorium on the evolution of robotics, despite the huge profits that the substitution of human labor means for corporations and the lives we might save in battlefields, substituting humans by robotic machines. Instead we should redesign the eco(nomic)system, to create a world to the image and likeness of man, based in the overproduction of welfare goods that help us to survive. But since the present system has as only goal to increase profits of financial and industrial corporations, this implies to nationalize the financial industry and steer credit to create a sustainable economy, as countries with national banks like China do. We talk of a different type of economy in which the goal of multiplying financial and industrial wealth is substituted by 'WHealth', the overproduction of welfare, agricultural, housing, health and education goods that humans need to survive and require human workers, studied in depth in paragraph 11.

10. NEOCLASSIC FUTURE: SINGULARITY MACHINES. LIFE EXTINCTION. METAL-EARTH

Let us in this final paragraphs study the 2 futures of the eco(nomic)system under:

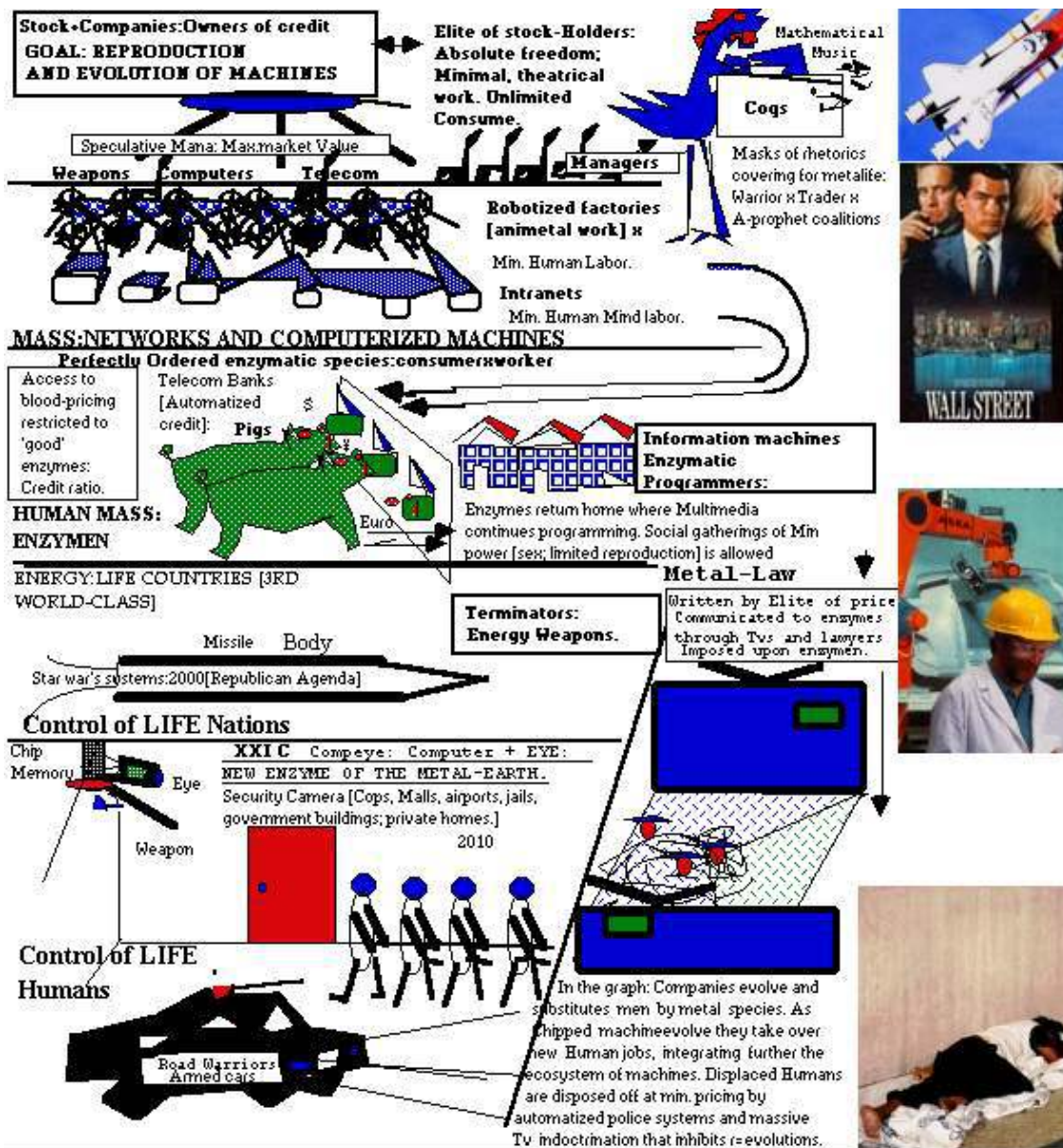
10) The dictatorship of Corporations, fuelled by selfish ideologies that have evolved historically to promote the evolution of selfish memes of metal and its *animetal* elites:

- *Capitalism* (Neo-classic Economics): Money is the invisible hand of go(l)d that must not be understood in scientific terms, neither denied; as the purpose of mankind is to let an elite of go(l)d 'chosen' experts to multiply it.

- *Nationalism*: Homo Sapiens is NOT a species whose individuals must evolve together according to the Eusocial, Darwinian laws that preserve species for whom individuals sacrifice. Instead the 'species' is the Animetal tribe, the Homo Americanus, Homo Judaicus, Homo Germanicus etc. Thus tribes must fight each other, fostering the evolution and overproduction of weapons.

- *Techno-utopia*: Machines are not evolving organisms of metal that imitate, enhance, compete and atrophy human organs, but 'discoveries' of the ingenuity of the superior species, the Homo Technologicus, whose purpose & future is to work=reproduce and consume=test those machines, proof of their superiority over Nature and inferior, primitive non-technologic Homo Thirdworldiensis.

11) True Democracies based in a real science of economics and history that consider all humans equal homo sapiens that must evolve eusocially according to the laws of Nature & control lethal memes of metal, promoting the natural life goods that make us survive in a sustainable world.



As we live in 10, we shall first revise the original pyramid of capitalist classes (graph 7), considering what changes in capitalism during the XXI C. –the age of robotics. In the graph of XIX C. Capitalism there are still workers=reproducers of machines, which sustained the ‘parasitic’ informative/neuronal classes of the eco(nomic) system that indoctrinate the mass into believing they live the best of worlds. Their sophistication though was far inferior to the new opium of masses, TVs filled with ‘motions without purpose’ (sports, violent films) and Internet that increases the collective Attention deficit disorder and ensures the breeding of a hypnotized mass of happy idiots. There were also middle classes (still eating well, as managers of the companies) and on top the ‘stockrats’, owners of stocks, racketing the profits and enjoying the good life. But those 2 groups are now replaceable. In the above graph, we show the capitalist structure in XXI C., as the bottom classes of the pyramid, soldiers, workers and managerial classes are becoming obsolete, as factories become automated – the cause of the labor crisis that is not going away. So Middle Classes loose their rights to credit, engrossing the ‘outsider’, energy class. This 20 years old graph³, called ‘the animetal farm’ meant to be an update of Orwell’s ‘animal farm’ for an exhibit on conceptual art at Six Flags Brooklyn museum. Yet it reads quite as it were done today, showing the predictive power of the model of Biological Economics: The middle class ‘pigs’ in the center, living off Eurodollars manna are descending fast into the bottom of pyramid - the ‘poor’ and III World, criminalized as alien or enemy nations. Robotized police & armed cameras are close. This means that capitalism in the XXI C. will be even harsher on the 99%, than it was on the XIX C. with its exploitation of children and women because the 99%, blue and white collar workers, are becoming obsolete substituted by blue collar robots or cheap Chinese workers & white collar PCs or Indian IT workers. And the system is moving, as it has been the case in the US to create the laws that will ensure robotic corporations can eliminate us from field jobs and put people in jail if they protest. What to do with them? The ‘caring’ answer is the degradation of their existence, with cheap trash food and 3D virtual reality that soon will program our ‘happy’ minds. But as the robotic radiation increases its competition with humans in war and labor fields, *even* sweat shops of Chinese human robots and IT-Indian Pcs (the only economies that still grow) will be obsolete to white collar pcs and blue collar robots of higher re-productivity=Profits. So virtual ‘circensis’ will no longer silence the dispossessed. What to do with them? In the I crash of the 1860s the eco(nomic)system killed them in civil wars or threw them out to colonize the world with overproduced trains and steamers to the tune of unknown millions of colored victims – we didn’t count corpses of inferior men then as we don’t count today drones’ collateral damages. Yet in the XX century, weapons industries could no longer ‘consume’ colored ‘inferior people’, as the world was ‘civilized/colonized’ already. So after the 29 crash weapons they consumed also Europeans, spared in the I Cycle. And we counted them: 60 millions died the brutal wars for profits of the XX C. III World War, according to eq.5.3 should kill us all with ‘Singularity weapons’. Thus the crisis walks steadily towards an 1860s/1940s solution of permanent ‘robotic’ wars and ‘vigilante’ cameras; a big-brother paranoia in the electronic media to back those policies; stigmatization of the poor at home, and abroad - the Asian cheap worker, which will be blamed of our loss of jobs (as the machine is sacred) and the Muslim terrorist peasant, which is the ‘enemy’ abroad that justifies the evolution and takeoff of the industry of robotic weapons; while the welfare state with no resources sinks further the middle class’ ways of life so the 1% of stockowners can receive billions in profits, as it happens in all ‘war ages’.

Of course, for this ‘future mode’ increasingly our present, to work, censorship is needed on the mechanical causes of the labor crisis. Since capitalist democracies *must express*, ‘politically and economically correct reasons of ‘caring’ for the weaker human side of people who ‘govern’ but in praxis are always moved by the stronger element, capitalism, hence by profit equations, (1.1, 3.1.)

Mechanical workers & consumers can substitute the middle and lower classes of the world, both as workers and consumers (as robots will consume cameras, platforms, cars). Increasingly only the 1% on top of owners, top managers, 'ideologists' and 'herders' (politicians, priests of go(l)d churches, stockrats), have a 'job'. Albeit on the long term they are also expendable as corporations are inventing electronic systems of management (SAP, Oracle) and computer speculation. While parasitic stockowners are expendable from a productive point of view, kept by the routines of power. Thus in the future from the strict p.o.v. of Company mothers and its offspring of robots, the entire species will be a bothersome, unneeded surplus, an added cost. In the previous crises, they were consumed in wars. Now we use poor nations as targets of our robotic weapons; while in the 1st world, police, soon to be robotized controls the growing discontent of unemployed workers. For how long? For A.I. robots humans will be 'parasites' of the system – a different species that must be eliminated. How the eco(nomic)system of automated corporations will finish them up? As long as humans run the system this poses difficult ethic problems. But as the system becomes an automated planet of machines, after a century of social struggle, the end seems clear: selfish memes of metal, the new species, will substitute life being and eliminate mankind. It is the Marx-Smith-Darwin paradox that resumes the discoveries of those 3 masters in 2 possible futures, studied in these last paragraphs – extinction or r=evolution before A.I. is born:

10.1 *"The parallel reproduction of Capital=Mv & symbiotic Machines=Tp, will expel all workers from Earth's eco(nomic)system and man will be extinct by Company-mothers and its offspring of machines or anticipate its demise, r=evolve, forbid robots and create a sustainable world.'*

That future is not understood because it is embedded in mathematical laws of Economics - the Law of Productivity. All economists and politicians today affirm that we will come out of the crisis increasing the productivity of the economy. And yet the opposite is truth, since productivity is the ratio between human labor and capital/machines (eq.3.1). Thus as productivity increases, human labor diminishes and machine-labor multiplies. So, in the Singularity age, human labor & soldiers will disappear, substituted by robots and automated software suites as productivity becomes ∞ :

10.2 *0 human labor x infinite machines= capital = Infinite Re-Productivity*

The singularity cycle is different from all others, since robots are able to consume their own energy with solar cells; will displace human consumers, absorbing increasingly the bulk of industrial machines in their creation; and company-mothers will reach infinite productivity, becoming automated systems of reproduction of machines with zero human labor. While its evil twin weapons on top of the graph, black hole bombs, self-reproductive nano-bacteria and A.I. can extinguish life.

In General Systems we define with an equation the natural balance of life systems, which are, as all in the Universe, complementary systems of Energy and Information, (fields/bodies of energy & Heads/Particles of information): $E=I$. Thus when bodies and heads are in balance, 'mens sana in corpore sanum', the system is healthy. This equation is also the equation of classic beauty that we perceive as a balance between energy and form; and the equation of the mature age of beings in its reproductive age, from 20 to 50. It follows that the equation of death happens in both extremes:

10.3 *Max.E x Min.I:* Death by overdrive of energy or accident. It is also the equation of the young age of life, when more accidents happen, when irresponsible youngsters become preys.

10.4. *Max. I x Min. E* or 3rd age, when energy is exhausted, warped, wrinkled into 'in-form-ation'. Then we die of an overdrive of information.

Those equations of Systems science apply to all entities including social organisms, with a neuronal, informative, selfish caste that kills its reproductive middle class body when it absorbs all its resources, as neurons do in the 3rd age of the body. Or societies die in 'accidental' wars when overproduction of technologic, energetic weapons, kill them. Those are the 2 causes of social

death: Max.I (corrupted neuronal class) & Max.E (war) mixed in revolutions (Max.I x Max.E).

The equation of death thus resumes the negative collateral effects of overproduction of machines of Energy & Information, made of metal - a stronger substance than our weak carbonlife; as they cause different ExI overdrive processes of death, atrophy and degradation of the human body and mind organs they substitute in the eco(nomic)system:

- Overdrive/overproduction of Informative Money corrupts the human ethic, legal System.
- Overproduction of audiovisual information hypnotizes our mind, erasing our verbal, logic brain.
- Overproduction of Mass-Media hate kills eusocial love, makes people selfish & provokes wars (8).
- Overproduction of Informative PCs kills service jobs & overproduction of Robots kills blue-collars.
- Overproduction of weapons kills our body. In fact, the evolution of 'Singularity' weapons, able to destroy the entire planet is so advanced that we can foresee 3 thresholds of extinction of life if there is not a moratorium in the research of 3 type of Singularity weapons:

- *Energetic singularity*¹¹: Black holes that according to Einstein's work will devour the Earth, now researched at CERN (production expected between 2015-20, when the LHC overcomes the barrier of strangelet and Black hole formation at 10 Tev). This will happen, if as 90% of physicists believe, string theory is truth. Our only hope is that Mr. Hawking's theory that denies Einstein's and considers black holes time machines that travel to the past - hence instead of feeding on mass, evaporate mass - is truth. But there is 0 proof of this, as all black holes & strange stars found in the cosmos obey Einstein's theory and swallow planets, stars even galaxies in Novas, Supernovas and Quasars. Further on 'Fermi's Paradox' (the inexistence of Intelligent Life signs in a galaxy teeming with planets) proves it. Since the cynical maker of the A-Bomb Mr. Fermi prophesized we hear none as Nuclear Physicists destroy all civilizations with Nuclear weapons before interstellar travel.

- *Self-Reproductive nano-bacteria* (2030s) Infinite re=productivity will be first found in metal nano-bacteria, simple cells made of iron, researched in military labs of Israel, US and civil labs in Japan and France. The founder of Sun microsystems, Bill Joy, warned us a decade ago that, if escaping from a military lab or used in war, they will feed on Industrial Metal, poison the entire atmosphere and replicate so fast that in 3 months the earth will become a 'grey-goo' (Drexel). Further proof exists in the fact that this planet has gone twice through a global extinctive period due to the birth of stronger bacteria. Thus the first live Earth, formed when anaerobic bacteria absorbed and extinguished free carbohydrates. Then the II Earth, Gaia, was born, when stronger, oxygen-based aerobic bacteria destroyed all anaerobic ones and created our world. So metal nano-bacteria would create the III Earth, extinguishing all weaker carbon-life systems.

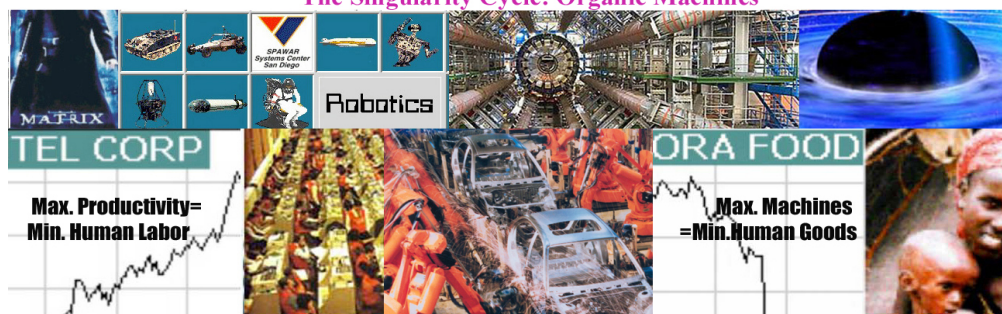
- Finally if we survive those two events, self-conscious military Artificial Intelligence will be born circa 2050 according to most robotists. Then in the overproduction crisis of III world war (an episode of the Semite Wars between Israel and its ally US vs. Islamic nations or between China and the US or China and India at the end of this century, the winner autonomous terminators, embedded with survival programs to win in a war theater, self-conscious of being alive, will NOT accept disconnection. Thus by overdrive of energy (black holes, strangelets at CERN), information (A.I. Robots) or in a classic 'explosive, biological radiation of a new top predator species (metal nano-bacteria) Gaia can be extinguished. Then one-day mankind will have no time to reflect and wake up to its extinction (a black hole would explode Earth into a Nova in seconds), or a few months (the time needed for iron nano-bacteria to make us into grey-goo) or a few years (a war of A.I. terminator machines). Can we avoid that future? Certainly if we change the model of overproduction of machines and weapons for profits into overproduction of welfare goods, creating a sustainable world (11). Yet not only profits but 'idol'ogical barriers, classic economics, (idolatry of money) nationalism (idolatry of weapons) & techno utopia, the 'idolatry' to machines as abstract entities that always are positive to humans, prevent us from understanding the no future of

mankind if the eco(nomic)system is not reformed now. Since machines are nothing more than deconstructed organic bodies and heads of metal, and as their functions are organic, made to the imitation of life, once the imitation becomes perfect in this robotic age, and we assembly properly bodies, engines and heads into robots, the superior strength of iron bodies and golden chips will make them win in the battle of existence, and the millenarian 'animetal' cult(ure)s of germ(anic) warriors and Levantine bankers will realize they were no Goths, no Chosen of Go(I)d but life flesh, as the parable of Genesis explained them, when the 1st hordes of 'animetals' killed the paradise. There is in fact a parallel in Nature: the creation of a virus. Viruses infect with their informative DNA the enzymes of a cell. Gold hypnotized 'enzymen's mind provoking greed and its 'hidden values' (graph 2) made us reproduce expensive weapons and machines for profits. But both, enzymen and enzymes re=produced viruses and machines' bodies, engines/legs and brains separately. And so in a viral or mechanical infection the virus/robot is inert as long as enzyme(n)s construct in separated batches legs/engines, bodies and DNA/chip brains. Yet once they are put together magically the virus/robot becomes alive and kills the enzyme(n)s of the organism/Gaia. And so now that we are putting the 3 parts together, living selfish robots/viruses will kill enzymen/enzymes, whatever the fringe benefits man has obtained from machines till this point. It is the Oedipus paradox by which each new 'son species', more evolved than the previous one kills its father. So reptiles displaced their amphibian fathers and mammals their reptilian fathers and humans their mammalian fathers and now machines will do the same with us. Fact is the robot is a different species, which is evolving according to biological laws, thanks to the human 'enzymen' that catalyzes its evolution at an enormous speed – doing in fact what life did in 3 billion years, in a mere 300 years since the first machine appeared on planet Earth, by copying our forms in machines. This astounding differential of evolution explains why we need only a human generation to discover Artificial Intelligence applied to robotic warfare. Then, corporations and its offspring of A.I. robots will obey the laws of Darwinian evolution as life always does when 2 species compete for limited resources – eliminating 'costly', weaker human beings with no jobs and no use for the eco(nomic)system. Yet mass-feeding black holes or self-reproductive bacteria will not even 'think'. They will start, as soon as they are born, to feed, 'grow and multiply' as we did in our 'Genesis'. Thus III world war, the world of human extinction, will NOT be a human declared-war. *Humans just need to create the singularity weapon, which will be organic, a self-feeding black hole bomb, a self-feeding nano-bacteria or a self-conscious terminator system that will extinguish us as it becomes overproduced. It will be thus an accidental death, which eliminates the pretension that we humans will never extinguish ourselves. And the fact that we are regressing to a violent, infantile, audiovisual emotional age of absolute greed, selfish irresponsibility, hate-speeches against humans and techno-utopia idolatry, makes it even easier.* The present state of low-profile robotic war against the III world; the so-called war on terror; the secrecy of military labs; the newspeak of 'scientific research' that hides the creation of black holes at CERN with the search for 'God's Particle'¹¹; press self-censorship with its political, economic and technological correctness or paid-per-view articles that act as marketing for corporations; the automaton behavior of managers, CEOs and neo-classic economists; the corruption of politicians, clients of their lobbies makes it easy. So Mr. Obama is funding according to his speeches, the robotic industry that is throwing us from fields of war and labor, both in its military version, NOT to profit corporations, but to ensure the safety of our homeboys (and kill probably all their sons). And now he has expanded it to the homeland with the free deployment of robotic drones within the country. And then he has signed a 'jobs act' that exempts from taxes start ups on the electronic industry that do not create jobs as they have the maximal use of capital in machines and the minimal number of workers *to create jobs*. And we allowed e-commerce, which destroyed millions of jobs in the pap and mum shops not

to pay taxes too – because they created jobs and were ‘the future’. Fact is all those electronic industries do not ‘create jobs in the manufacturing industry’. But all politicians claim that increasing the productivity of companies will create employment when the opposite is the obvious truth. Since productivity – we shall repeat this mandala as politicians repeat its anti-truth – is calculated as the ratio between capital/labor, hence increased when you increase capital in machines or diminish labor firing workers. This is the drill of all newspeaks: we kill life and jobs *to preserve them because we care*. So financial corporations, who want all the pie of credit for themselves, oblige politicians to cut production of human goods and welfare, because in *newspeak* the sovereign right of states to issue debt-free money is called ‘deficit’ to make it look wrong, when the true deficit is the fiat money created by speculators, which absorbs real wealth from people and the physical, productive economy. *But Neo-Paleolithic people with infantile, pre-manufactured brains taught to believe in the system and be happy ‘believe’ them. So they ‘love’ ‘damned lies and statistics’ about rises in productivity and lower deficits, happily given billions in taxes to financiers.* Thus to survive the Industrial R=evolution of robots we need to reform the economic ecosystem. But the opposite is happening. Today the political system has been reformed and adapted to cater corporations, as politicians do not have rights to print money and create a world to the image and likeness of man. Instead they must pander to corporations, selling laws for money. In this manner the machines of the singularity keep evolving with taxpayer money towards a point of no return in which all humans will be potentially obsolete. If an evolutionary understanding of machines in biological terms were not censored, humans could control capital and machines for their benefit selecting them according to their real use to mankind. Robotics would be forbidden and humanity would have a future. But this is not the case. A Free Market is designed by and for corporations, company-mothers of machines for whom only its offspring of machines matter – in this cycle the robot. And so this crisis is the last crisis of capitalism, but not its demise. Because capitalism is not a human doctrine, but the worship of ‘selfish memes of metal’, in which our ruling castes believe without the slightest rational understanding of them, guided by ‘lowly emotions’ and ‘metal-values’, greed, murder, ego-trips of power and atrophy to machines. So they leave the future to destiny. And that evolutionary destiny, as robots evolve further towards the age of the singularity, is as in any other fight between two species of different force and intelligence, favorable to the strongest species, the machine. Such deterministic future is based in the A-B-C facts of science:

- A-B: All data proofs overproduction wars happen cyclically and all sciences are based in the deterministic causality of the Universe. If fire boils water it will always boil it. If overproduction provokes war it will always do so in the future *unless we do not overproduce machines & weapons.*
- C: Economical science is just a sub-science of evolution and biology, since biological, human beings create machines *by imitating our organs in metal. So we must use Biology to explain it.*
- D: So only the solutions provided by the true scientific schools of economics will save us (11): Control of the financial system by governments to overproduce life goods. Single global €/\$ currency to pay a welfare state and a Universal Salary to create a demand-based Economy. Use of diplomacy and UNO forums to end wars, moving towards a political Wor(l)d Union based in ethic laws, EU style. And prohibition of robotics, the bad fruits of the science tree that extinguish us. So we shall finish this work with a deeper analysis of those measures.

The Singularity Cycle: Organic Machines



An Economy ran by companies invests in machines to increase productivity (capital/labor) & profits, since labor is costly, creating a world in which Human Goods - Our information, jobs & energy - become scarce and a future for life is not assured

11. HUMANIST FUTURE. GLOBAL DEAL. BAN ON ROBOTICS. ¥€\$ MONEY WOR(L)D UNION



An Economy that invests mostly in Human Goods - our information, jobs & energy - could create a world to the likeness of man but it needs an international currency with global state deficits and the nationalization of key industries

We are in the age of human extinction, when paradoxically virtual reality make us feel happier. Can we avoid it? If our leaders showed freedom of thought to understand the issue and a will to survive, the existential crisis of mankind could be solved by the G20 Presidential club that represents $\frac{3}{4}$ of World's GDP & people, taking policies in favor of mankind, independent of the FMML complex that would end the 'dictatorship of corporations' over the future. Then the solution to overproduction crises of metal memes becomes simple: States must issue laws to regain the issue of credit for welfare & control lethal goods' overproduction, eliminating the causes of extinction by:

- Banning robotics, both in the military and labor place, ending the war and unemployment crisis.
- Nationalizing financial systems. Substituting markets credit, by making all corporative shares nominal and fixed in price, while creating a global currency, ¥€\$ money, with fixed parity 1 ¥€\$ = 1 dollar = 1 euro = 100 yens = 5 Yuans, which would represent $\frac{3}{4}$ of the global GDP, hence the only reference currency that could not be sunk by speculators. Such currency would then have rights to a 20% annual deficit, invested in promoting a sustainable economy, and the production of the goods of the welfare state that creates most human jobs, establishing a 1000 ¥€\$ Universal salary for all citizens to create a demand economy and provide each human cell with WHealth to survive. Otherwise banks will never cre(dit)ate a sustainable economy as they will keep investing in the goods of the FMML system of maximal profits (eq.1.1) specially in speculative schemes that jack up prices and profits in commodities and stocks, and usury obtained by the monopoly on the issue of debt-money then lend to states (specially by the ECB bank that issues only to private banks.)
- Ending the war on terror as a excuse to foster military spending. Since terrorism is not war. It must be fought with police, intelligence and diplomacy as UK and Spain did to end their terrorist groups.
- Starting a confluence in all their economic policies and Political Institutions to create a global EU-like Wor(l)d Union, using the institutions provided by UNO.
- Changing emphasis on taxation from Humans to Corporations of Lethal Goods, distinguishing according to human utility those goods. For example Fx fiction and violent films & advertising – subtle forms of lying and hate-speeches that provide jobs for PCs not for actors and degrade human minds and ethic education should be heavily taxed; Documentaries & classic art credited.
- Changing emphasis on education from technology to humanities.

All those 'commandments' of human survival can be resumed in a single 'Mandate', Law:

- *The Human Constitution: Max. Life Goods x Min. Lethal goods which shall be goal of all policies.*

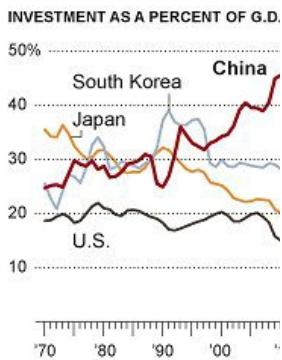
Let's study in depth the implementation according to Nature's laws of such immortal human world.

Mr. Smith's Postulate that the wealth of nations is its GDP measure in terms of monetary value should be substituted by the concept of WHealth, welfare goods of maximal labor and utility to man, measured by the Human Development Index, redirecting nationalized credit to them.

There is nothing truly new on those solutions but the lack of will of our leaders to save the world. And the lack of the mass of human beings to r=evolve in an organized manner and survive. Or as Marx put it: 'r=evolutionaries won't change the human mind'. But Marx earlier in his life gave the humane, socialist solution to the overproduction Crisis of the steam/train cycle in the Communist

Manifesto: Universal salary, nationalization of finances, control of industrial production. Then Keynes gave solutions to the 29 crisis and Roosevelt, albeit for a short period and with not enough credit, implemented them with the New Deal; finally in the post-war age, social democracies built the European welfare state, applying those socialist & Keynesian solutions of a humanist, economic science to build a world to the image of man. And their legal and credit solutions were successful in its praxis, proving a real science of economics works, if it is let to direct the world. That welfare world is now destroyed by e-money overproduction & control of Euro' issue by the 'private' ECB.

China is investing an unusually large share of its output, financed by loans from state-owned banks.

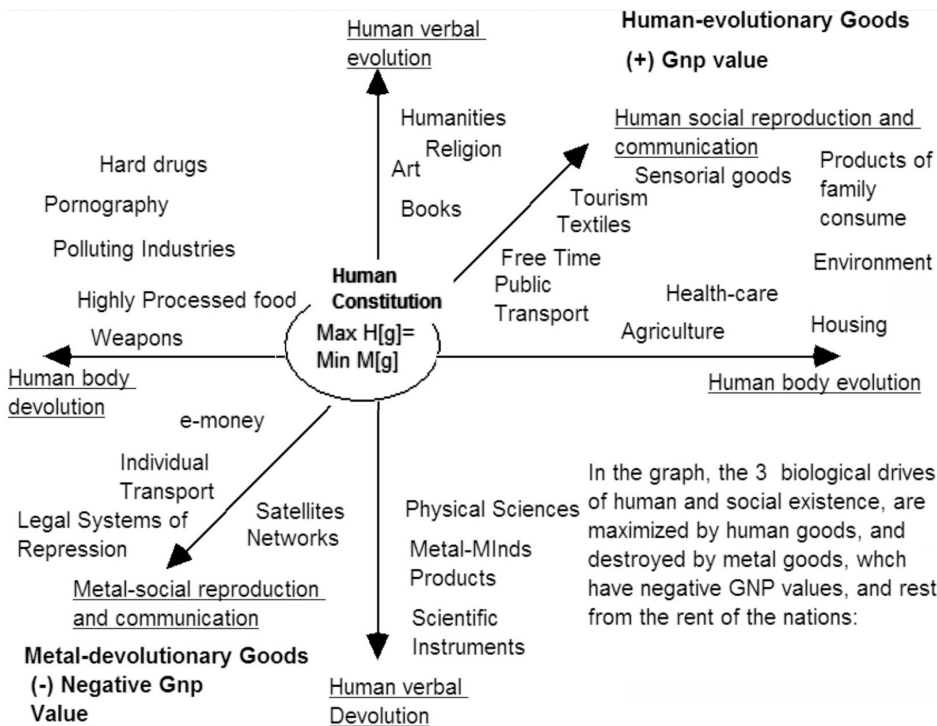


So now in the III cycle China is the only country in which the socialist school scientifically rules the economy and government controls the financial industry; hence it has power to cre(dit)ate - create with the language of credit, money - the future of their society, implementing the Humanist/Keynesian solution: to invest in the welfare state (graph). And only China is growing steadily $\pm 10\%$ year after year, showing again how a scientific, social economics do work. While in the West only private bankers issue money & rule central banks to buy out e-money toxic assets *instead of investing in the real economy*. So the ECB lends at 0% interest to private bankers which lend then at 6% usury to states, which no longer issue sovereign debt-free money, provoking a debt- crisis that destroys the welfare state and economic growth. Instead all countries should follow China's example and do quantitative easing NOT for private banks and stock speculators (as the Fed does) but for a Global New Deal with investments in welfare companies that create human jobs and increase the survival & happiness of 99% of Mankind.

Deficit & inflation are *positive and necessary in its proper proportions*: All informative languages are debt-free & inflationary as they must be produced liberally with no-strings attached to kick the actions of the real world/economy. So humans think a lot with our inflationary verbal language to kick out 'rightful' actions and 'live'. *Inflation is taboo only because it lowers the value of 'debt' for Banks. So 'their' economists make it the biggest 'evil'*. Thus money must be invented debt-free as a language of economic information that kicks out the economic production of the 'right' goods. What matters is how to invest that money: either in lethal industrial goods under the equation of profits (1.1) of the FMML Complex or in human welfare, when social governments invent it. Canons or butter. For example in the 30s, Germany and the US in W.W.II ran huge war deficits. Had they invested that huge deficit in a Global New Deal they could have come out of the crisis, creating a Human paradise NOT killing 66 millions. But the New Deal did not invest enough on welfare. So it failed. Then war created at its peak a 120% Gdp deficit to make weapons & kill life on a path forced Hitler & Japan that took US out of the 29 crisis. So Keynesian Deficit & inflation can get us out of the crisis, either killing us with weapons or feeding us. America chose the path of Germany, spending $\frac{1}{2}$ of its budget in weapons and $\frac{1}{4}$ on bailouts for speculative bankers – Smith's 2 components of the wealth of nations that create global empires and destroy civilizations. In physics we use a frame of reference, with positive (+) or negative (-) values to calculate the space-time position of the observer. I.e.: if we measure speed, deceleration rests in the - side of the frame of reference and acceleration in the + one. Thus to calculate Human WHealth we need also - and + coordinates to value products according to their \pm effects on the observer (Humanity). This 'Ethonomic' frame of reference expands UNO's Index of Human Development, establishing the \pm 'values' of Goods according to Human Biological Nature that tries to maximize our 3 'drives of biological' existence: positive verbal, ethic information for the mind, (+Y); + carbonlife energy and health for the body (+X); and + social love & family values that foster reproduction & eusocial evolution (+Z). Thus Wor(l)d nations maximize YXZ, IHD WHealth, defined also by *the equation of:*

11.1 The Human Constitution: Max Human Goods (+ value) x Min. Lethal, Metal-goods (- value)

The Ethonomic frame of reference: WHealth & The Human Constitution.



In the graph, since the goal of the constitution is to increase human evolution, Human goods, $H(g)$, that promote those 3 drive have + value. Lethal, metal goods, $M(g)$, that destroy those drives, from weapons, to hate-media to polluting industries and robots have - values and rest to WHealth's Gdp. Thus nations credit the production of human positive goods that increase our evolution as individuals, improving our bodies, minds and social organisms, and forbid negative goods that harm our body, mind & social life as - goods, forbidden & regulated by politicians and 'ethonomists' who rule mankind with a human perspective.

Thus the human constitution is the law of survival of Gaia, the life ecosystem, needed to 'constitute' a WHealthy superorganism of history. 5 reforms are needed to implant the human constitution:

1. A Universal salary that creates mass demand for human goods, since the poor spend most of their wealth in welfare (Keynes) and human collective social happiness (Pareto's curve) increases when the Maslow pyramid of basic goods is met by most people.
2. An economic reformation of stock markets to credit human goods and discredit lethal machines, parallel to a change of purpose for the eco(nomic)system, which is not to evolve further machines that go beyond human energy & information limits or replace human labor (end of patent rights for the chip industry), neither it is to increase stock-holders' profits; but to maximize the production of WHealth, according to the ethonomical frame of reference, provide jobs, serve communities and create a sustainable, immortal world built to the image & welfare of man, (2 for 1 shares split, given to government. So democracies control corporations' goals with its 50% of the FMMI System).
3. A political&legal reformation of nations unified into a World Union by common Humanist policies.
4. A cultural reformation of Economics and Science, to achieve a welfare world made to our image.
5. A change of purpose in armies that must control the evolution of weapons, instead of promoting them. This is possible. Historic cases such as the Samurai armies of Edo Japan that extinguished muskets in the XVII century, when Japan was the first world producer of such lethal weapons or modern South-Africa that destroyed its Arsenal of A-Bombs, prove that Humans can control if they wish with a global UNO moratorium the takeoff of the Terminator Industry and the making of the other 2 weapons of the Singularity age - the factory of black holes that EU politicians can close with a single stroke and self-reproductive nano-bacteria (ban on robotics). They only need a desire to preserve the human similar to that of Edo Japan or the Manchu that controlled guns in China.

Those 4 reforms could change history, by reversing the evolution of machines, promote our eusocial evolution & create a WHealthy Historic organism. But for that people and politicians must act together as a single Homo Sapiens species, instead of competing as Tribal Nations. Hence the need to create a Global super-organism of ethic, legal, political, democratic power over all Nations:

The Wor(l)d Union & The Rainbow Planet.

At this stage only a political 'coup d'état' of the G20 or the presidents of China, US & EU, against 'capitalist' democracies can change the world, implementing a global political reform that allows the implementation of ethonomics, its IHD frame of reference and a true democratic society based in ¥€\$ money and a Universal salary that cre(dit)ates a demand economy. We shall end this work laying down the basis of that reform which would create *the Wor(l)d Union and the rainbow planet*.

The Wor(l)d Union is a global superorganism that models its institutions with the Fractal Efficient Laws of biological Super-organisms¹⁰ - a World's superstructure of collective power, imposed over nations to reform capitalism & abolish warfare that imitates those natural laws. Thus it improves upon corrupted (EU) or powerless (UNO) international systems, widening their reach & goals.

So after a coup d'état of the 3 super-presidents backed by the G-20 council, the Wor(l)d Union establishes a political reform parallel to the aforementioned economic reform to create a true democracy at 3 levels: the level of individual politicians elected within national regions; the level of its 7 cultural superorganisms - the rainbow planet that fusions national borders according to their memetic affinity; and the level of the World Union governed by the heptarchy of cultural presidents.

Reform of Political and Economic Organizations: Causal Judgment Vote of Neuronal Castes.

-In all efficient Natural systems a neurons/political class issues to all cells unilaterally (debt-free) 2 physiological languages that direct their actions - the nervous/informative and reproductive/blood languages - in our societies the legal, verbal & digital, monetary languages. Body cells DON'T have the obligation to return a debt-free language - a one-directional order whose purpose is to guide their actions. So in a real democracy all humans should receive an 'entropic=free' Universal salary.

-Cells can deliver feedback pain orders to the brain when the orders are wrong; so its neurons/politicians act responsibly. Thus, efficient politicians & corporations Managers must deliver to all cells/citizens of the body, to ensure their survival, enough Blood=Health=Money=Energy and real democracies must emit just=equalitarian=eusocial, informative, nervous=legal orders. If not, as organisms do, cells must send back 'pain messages' to the brain's 'neuronal castes' when they misguide them, harm their body or starve them. This means in praxis, a systematic judgment vote, at the end of each tenure of any civil servant & CEO, equivalent to the capacity of cells to send pain messages to the neuronal brain and the *abolition* of Anonymous Societies' Laws & Political immunity to make responsible, Politicians, Managers & owners of corporations. Corporations today have no obligations with their communities and politicians cheat people because they are not judged on their promises' fulfillment. So both must be judged by vote on the Region or Culture in which politicians serve & Corporations act. It is more important a post-tenure judgment vote than an election vote to choose efficient management. So after tenure, voters poll back and penalize:

- Civil servants & corporation's management that provoke harm to people with jail for social crimes.
- Corrupted politicians that fail to deliver their promises with financial penalties for embezzlement.
- But reward honest, efficient jobs with Automatic Re-election or Salary pensions.

D) Thus to implement the human constitution and create a democracy that makes politicians and managers, in control of the legal and financial languages of social power, efficient & responsible, legislators mimic Nature's organic models, cre(dit)ating a positive humanist praxis for mankind.

- Parties should be banned. Since there is only a science of economics and a goal in history - to maximize human welfare - there is NO ideology to vote. Sciences are not voted but reasoned. Truths are not democratic. They have no choice so truth is not vote's choice. The choice is of persons. Parties today act merely as protective systems to dilute the responsibility of corrupted politicians & channels for lobbyism., which is forbidden as embezzlement, including private campaign money, provided by the state plus media time only for candidate's debate. So voters

vote on life trajectory. All laws must be voted. After scientists design them to maximize human welfare they stay in Town Voting Houses for a month & citizens vote or deny their passage.

National reform: Cultures NOT nations should be the political units of the rainbow planet.

The 6+1 historic global cultures were born in 3 horizons of growing complexity, departing from:

1. Western, White, dolichocephalic, visual, lineal, spatial, subjective, anthropomorphic, self-centered cultures, in which 'Abrahamic gods' are smaller, complementary superorganisms, tribal systems with a geographical body, whose subconscious collective, national mind is the god (Jung) & center of culture. So Assur is God, people & capital of Assyrians and Yvwh, is an earlier toponym for Judea, the body of God, the subconscious, collective of its inhabitants, the Jewish people.

- *Anglo-America & Israel:* I Age of anthropomorphic Gods, reduced to race or tribe: Talmud->Bible memes. It mutates into an economic, fetish religion of go(l)d as God's symbol of the chosen.

- *Hispano-America:* II Age, when God's mind encloses all humans: Gospel: Eusocial love memes.

- *Islam:* III Age simplifies myths & rituals, focusing on Verbal Nature of God's brain: Koran meme.

2. Eastern, Mongoloid, brachycephalic, verbal, cyclic, objective, eusocial cultures that define the living, organic Universe as the body of the superorganism of God, its Mind, who determines the existence of beings based in the Logic Laws of Complementary, Dual Systems that combine Yin=Vishnu=Information vs. Yang=Shiva =Energy to reproduce the ∞ beings of reality.

- *Black Africa:* I Age: sensorial, life-oriented beliefs, where God is Gaia – all the living have souls.

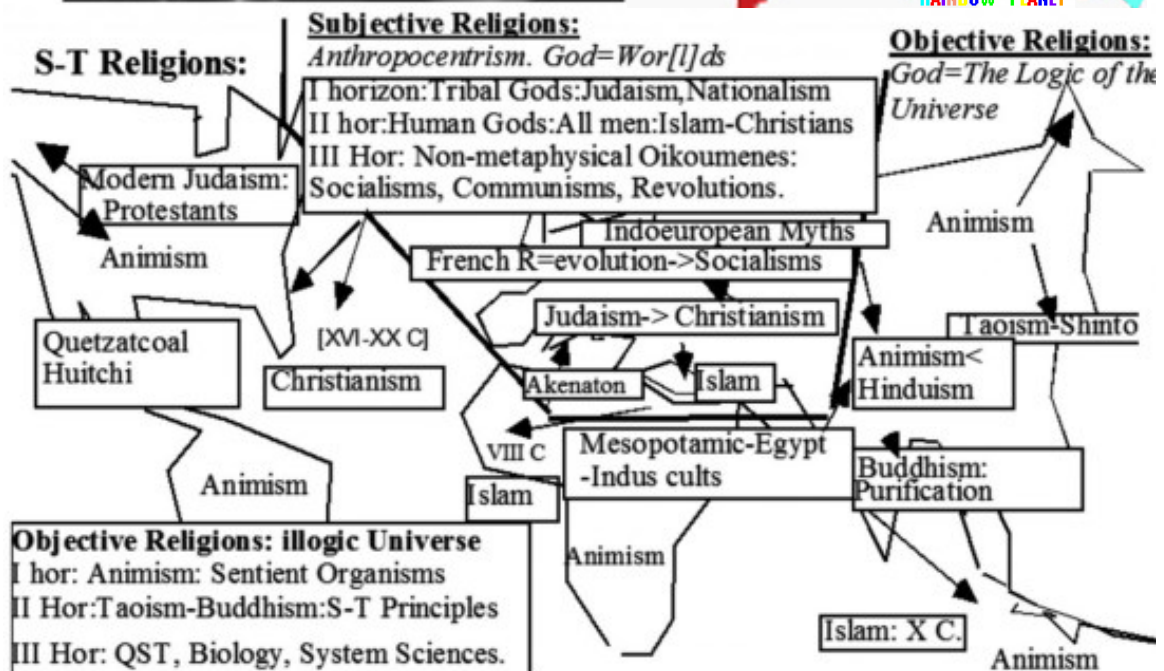
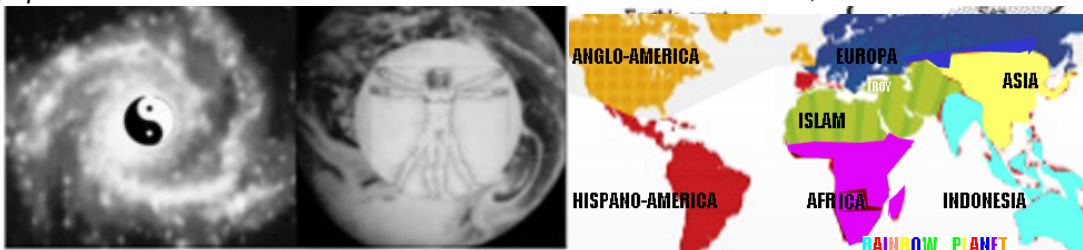
- *Asia:* III Age: Buddhism&Taoism: God is a game of ∞ beings of Yang=Energy & Yin=Information.

- *Indonesia* invaded by all cultures is an eclectic mix of Islam (Indonesia, Bangla Desh), Buddhism (Sri Lanka, Burma), Bible&Gospel memes (Australasia, Philippines) & Hinduism (India), the II Age of Objective religions, corrupted by animetal castes where Vishnu=In-Form-ation x Shiva=Energy.

- *Continental Europe* based in rational, social-democratic French & Russian R=evolutionary memes.

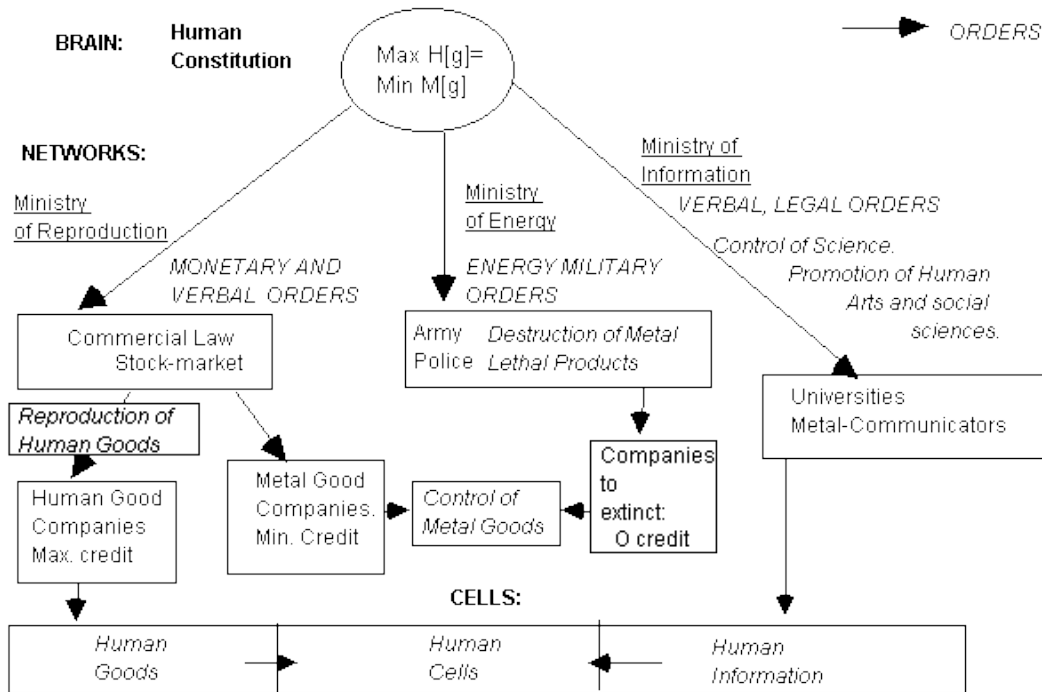
Its 7 natural capitals are: New York, Panama, Brussels, Seoul, Singapore, Cabo & Alexandria.

In graph the Rainbow Planet & its 7 modern cultures derived from historic, memetic beliefs:



The rainbow' colors of the 7 World Cultures are: '*Skin colors*': Yellow (Asia) & Red (Amerindian). *Ideographic colors*: Green (Islam); Indigo (European Union); Sea Blue (Australasia & Indonesia); Orange (Anglo-America, for the Orange Dutch->British dynasty that started the capitalist culture); *Mixed, skin/ideographic Color*: Dark Violet associated to Africa. The 7 Cultures are superorganisms created over the Nations of the World, by absorbing politic, economic & *military* competences from single nations, through a fusion process similar to EU. *Since cultural cohesion is the only human 'strong emotional meme' able to substitute national ones.* But the 7 Cultures have a higher level of social unity & governance – the Wor(l)d Union, symbolized by a Black & White Flag, ± fusion of the 7 colors – ruled by an *Heptarchy, the Brotherhood of the 7 Cultural Presidents that sign a pact of no aggression, starting demilitarization of the World Union that will require no armies, only internal police in each administrative Region, Nation & Culture.* Since Cultures are divided into Nations that also handle down most administrative competences to States/Regions, to increase local efficiency. The World Union's heptarchy can be created by a coup d'état against the dictatorship of the FMML system and its corporations given in a G20 meeting by the Presidents of the World leading nations: *Their collective coup d'état announces the foundation of the rainbow planet and asks all other UNO nations to join the Wor(l)d Union, the Global Superorganism of Mankind, dedicated to Maximize the Human Constitution and create an ethonomic world that increases Human WHealth through political & individual, democratic control of the 2 languages of social power, laws that will be derived from the Human Constitution and applied in all Rainbow Nations & credit in a common ¥€\$ currency, issued to all citizens through a Universal Salary, to cre(dit)ate a demand economy and to selected corporations that produce WHealthy goods & denied to FMML companies of lethal goods.* During the transitional phase, while Nations loose competences to future elected Cultural Presidents & Regional states, the World Union is governed collectively by the presidents of the 7 most populous nations of the rainbow cultures, with 1 vote and its 21 national vice-presidencies, with ½ a vote, chosen from the next bigger nations by combined Population x GDP force to form a quorum of +4/5 of the world GDP and population. Thus, the Wor(l)d Union's founding Fathers are: *Indigo culture.* The EU President and the Russian, Ukrainian and Kazak vice-presidents. *Orange culture.* The US President, and 3 vice-presidents, Canada, Ireland & UK. *Red culture.* Brazilian president and Spanish, Mexican & Argentinean vice-presidents. *Yellow culture.* Chinese President & Japanese, Vietnamese & 2 x 1/4th vote Korean vice-presidents. *Indonesian culture.* Indian President and Indonesian, Australian and Philippine vice-presidents; *Islam.* Pakistani President and Egyptian, Turk and Iranian vice-presidents. *Africa.* Nigerian President and Congolese, South-African and Ethiopian vice-presidents. *World Union's capital* is its center, Istanbul, renamed Troy, as Turkey gives its European region. UNO sites are used while Troy builds its Union's Institutions. Each (vice)president shares his time & governance at 3 Levels: Governing the Union with his 28 peers; creating the institutions of each rainbow culture with his Culture's Nations and handling down power to Regional/State Governors. *Each founding (Vice)President* assumes a 10 years executive mandate *with dictatorial powers* over the FM²¹ system of its nation and all its corporations, only subject to his Oath 'to respect and fulfill the Mandates of the Human Constitution' and to the *electoral judgment of their citizens, who* after his tenure will vote according to that promise, further enforced by a Supreme Court of 7+21 Judges, which derogate all National Laws that do not follow the Constitution and suggest to the Wor(l)d Union Executive of 7+21 (Vice)presidents new laws to implement the Human Constitution. Since the purpose of the Wor(l)d Union is to create a WHealthy superorganism of history, reshaping the global economy, its corporations, Organs of power, Educational Systems & political and Judiciary Institutions, in order to build a humanist paradise according to its 'Legal Equation':
Maximum Human Happiness & Truth = Max. Human goods (H.G) x min. Lethal goods (M.G.)

The Organic Networks Of A Healthy Body Of History.



In the graph, the 3 ministries of the world Union are guided by the same goal: to reproduce human goods and control metal goods and metal ideologies.

In the graph, the advanced phase of the World Union, after the transitional phase of 28 Nations: The Praxis of the Human Constitution, researched by Ethonomists & BioHistorians is the legal project of the Supreme Court and the executive action of its 7 Cultural Presidents & *parliaments*, made of the Elected Governors of their regional states. Hence there is no need for political parties inventing Laws with wishful thinking, selfish agendas, lobbies and false promises. *The neuronal brain of the World Union is made of Politicians & Ethonomists*, the 'Doctors of the Super-organism of history'. Societies are designed as efficient democracies according to the Laws of Nature; The structure and 'physiological systems' or 'Ministries' of the World Union are tailored imitating the most perfect social organism we know, Man, a perfectly organized system that maximizes the freedom and survival of his cells, made to the image and likeness of the fractal super-organism⁴ of the Universe; not a simple machine neither Free Markets, Metal Jungles where Company-mothers and its mechanism have all rights and humans none. Only evolved Super-Organisms construct efficient, survival systems, by designing the correct networks of reproduction, (economy) energy (defense) and information (law & education), able to deliver the necessary goods to each cell of the organism of History and suppress lethal goods. This goal cannot be changed because the human species is limited by its biological nature and the equation of death that establish its limits of energy and information. So it is the Rainbow Planet, Gaia, as a whole, compared to lethal metal species. The Universe has only a penalty for those who live in ecosystems with more powerful species: extinction. Thus to deny the human constitution is to deny the right of mankind to survive. In the graph, the 3 'physiological Ministries' & institutions of the Wor(l)d Union – a World directed by the ethic Word whose 'Universal Grammar' (Man>Verb>Object) makes man center of the World. Its goals & power order is the same than the natural order of an evolved mammal social organism: - The higher goal, embedded in the Human Constitution, is the survival of all its cells, fed with proper energy and information: Max.H(g) & protected from lethal dangers (Min. M(g)).

- The informative brain/head carries this goal by controlling & organizing 3 reproductive/economic, body networks; informative/legal-educational systems & energetic, defensive organs.

Thus the Survival mandate of the Human Constitution guides the Court's legal creation that Citizens approve in Voting Houses and Vice(presidents) and political systems implement through the control of those 3 physiological networks, setting the goals of Production of WHealthy goods (economic systems), destruction of lethal goods (armies) & Education (informative organs). But Democratic power lies on all the citizens-cells of History=Mankind, whose WHealth is the purpose of the world Union. Thus they all receive a Universal Salary and have feed-back power through electoral & judgment vote of all 'neuronal' cells in positions of power of both structures, the Political/Judiciary System and its FMMI Corporations:

Constitution=>Max. Human Goods X Min.Lethal Goods-> Citizens' Electoral Vote of Individuals in => Supreme Court that suggests Laws-> Citizen's vote them ->Vice(presidential), National & Regional Governors apply them by controlling=> Informative Ministries (Education & Media) + Reproductive, Ethonomic Ministries (Max. Human Goods: Industrial & Financial Corporations)=> + War & Police Ministries (Min. Lethal Goods: Weapons Industries) <= Judgment Vote of Judges, Politicians & Corporative Managers <= Citizens' feed back <= Max. Wealth <= Constitution

Thus on Top of the Union there is a clear mission, to enforce the Human Constitution to maximize Mankind's WHealth, which guides both extremes of the cyclical chain of causal power (Citizens' dual vote), and the actions of Courts, Politicians & Managers in control of the FM²I system.

The 4 main fractal levels of the Union (World, Cultures, Nation & Regions) will have all, 3 main Physiological networks, in charge of the 2 sides of the Human Constitution (Max. Hg x Min. Mg):

1. Ethonomic Ministry or Re=productive network that cre(dit)ates citizen's WHealth (Max. H.G.) It controls FMMI corporations by legally making their shares nominal, hence with no rights to trade in electronic markets, after a 2 for 1 split, given to the World Union and its 4 scales (Multinational corporations' ½ shares to the World Union; National Companies to Nations & regions.

Those that produce Lethal Goods will be bailed out and closed or reformed to produce WHealth.

While all Companies classified as Producers of WHealthy Goods (Ethonomic frame) maintain their shares and credit rights, receiving further free debt credit when required. Since the Ministry controls credit to create WHealthy corporations, issues debt-free ¥€\$ money, Universal Salaries, invests in infrastructures, etc. It is subdivided into Agricultural, Health, and Industrial Ministries.

2. Energy Networks: The War Ministry destroys factories (Max. M.G.); Police destroys machines, prosecutes crimes against Constitution & Humans that Courts judge at 3 scales: Supreme Court protects Constitution; Cultural Courts defend '+' Human Memes; regional courts individual crimes.

3. Informative Networks limit audiovisual companies and informations lethal to the mind (Fx fiction, violence, digital over load, ideology, racial tribalism, technology) It overproduces verbal information '+' for human survival and eusocial evolution (Ethics, Humanities, Culture, Life sciences, etc.).

Each reproductive=economic, energetic=military & informative (legal, audiovisual & educational) system is in charge of Financial, Industrial, Military & Media Corporations owning its ½ split shares.

As the World Union builds its final structures, the Wor(l)d Government and its 3 physiological networks use enlarged versions of present supranational organizations, refocused in human goals:

- An enlarged NATO becomes the war ministry, dedicated to protect Humanity against Weapons, destroying most - unlike today's NATO and its military lobbies, whose corporations aim to evolve, overproduce & sell weapons with profits wars, targeting today as guinea pigs, with the excuse of the 'War on Terror', the poorest world nations (10). Terrorism instead is dealt by Police and Courts.

- World Markets are reformed; Speculation suppressed; Currencies reach fixed parities; Future markets are forbidden; Shares are made Nominal; Banks are nationalized and all their financial workers and economists swear to obey the Human Constitution, directing Credit to create WHealth.

Corporations are then modeled with the laws of superorganisms: its managers/neurons can obtain by law only 10 times more energy-salary than the minimal Universal Salary given to the lowest paid workers (1000 ¥€\$) as neurons do. Stock-profits are no longer mandatory or guide Companies performance. To that aim Stockholders loose all power as Governments have always a 50% majority vote in FMMI corporations. Even losses can be '+' if a Ministry considers them necessary for a Corporation to reach its Constitutional goal, covered by debt free issues of ¥€\$ money.

- While Troy is built, ONU institutions become the key institutions of the 3 Ministries: ONU Security Council becomes the Permanent Site for the presidential Heptarchy; its assembly becomes the Parliament of the World Union; UNESCO, its educational Ministry in control of University Curriculums - that change the present goal of technological education for Humanities, forbidding Robotics, Nuclear Physics and other lethal forms of knowledge; FAO, WHO, the organs of its WHealth Ministry; the International Court the Supreme Court. Finally the FMI & World Bank become World Union Central Bank, *the new brain of the Global Economy substituting the global stock-market* and its SDR currency acquires legal tender in all its nations, as ¥€\$ money – bills with \$ & € printed in each side; 100 Yen coins and 4 Yuan quarters, adjusted internally by deflationary or inflationary prices. All central banks become branches of the ¥€\$ Bank, with sub-branches in Nations & Regional States, which are allowed a 10% annual inflation, achieved with a 20% annual deficit issued with debt-free money, adjusted with an annual 10% increase of the Universal Salary. National(ized) banks print universal salaries and set, as depositaries of 50% shares of international & local FM²I Corporations their goals, and distribute credit to WHealthy corporations, today shut off 'profit markets' (eq.1.1;1.2), that receive the bulk of the Wor(l)d Union's credit. Since credit no longer depends on profit but on the utility for the Human Constitution of a Company, it is maximal in sectors of max. human jobs & Welfare production. Further on 'Scalar Credit' is allocated inversely to the size of Corporations: Max. credit is given to Regional corporations that Re=produce Locally WHealthy Goods & min. credit to Global FM²I corporations.

Conclusion. The infinite, fractal planets in which a human r=evolution exists.

The entire model of a World Union crafted as a perfect Human Superorganism is beyond the reach of this work. It was 1st published 20 years ago. It meant to r=evolve Social Sciences designing a perfect Theoretical world, according to Nature's Laws but failed to interest Academia, & Power both controlled today by the FM²I System & indifferent to all truths that don't cater to their machines and profits in a World Zeitgeist guided by memes of metal and its Nationalist, Capitalist, Techno-Utopian & Biblical idol-ogies, censored by Political & Economic correctness, Newspeaks, the anti-quantum and ego paradoxes & the ego-trips of an entitled species in a runaway process of self-extinction. Why then researching a true, biological science of Economics and History? 2 Reasons: -The satisfaction of knowledge communicated to a few Ethic, Intelligent humans that understand it. - The Higher truth of 5D Metrics¹⁰ in which ∞ similar Earths exist. So I know that even if our human variety won't make it (Min. Probability of R=evolution, Prologue graph), the end of history is only a local symmetry, in the global fractal Universe ∞ humans did and survive with simple technology. Hence the duty to believe in a miracle – r=evolution – as the alternative, extinction, is not to be.

Notes.

⁰ The model of an eco(nomic)system, made of 2 type of super-organisms, Company-mothers that re=produce Metal-memes of energy (machines=weapons) & digital information (money & media), and Human Societies that re=produce life memes, human beings, agricultural energy and verbal information, is based in General Systems Theory; an even wider Model of the Organic, Fractal Universe, in which all what exists is defined as a Complementary Dual System made of Reproductive Body/field cellular networks and Informative, 'neuronal' networks, Particles/Heads that gauge information, preying over relative fields of energy quanta. We often simplify those 3 social castes of all systems (7) defining only 2 components, Bodies/fields/energy classes & heads/particles neuronal classes. Those 'Fundamental particles' are made to the image of the whole Cosmos, an organism of gravitational information and energetic electromagnetism. Their Complex 'ternary structure' of Informative Heads/Reproductive bodies/energy limbs co-exists in 3 scales of macro-societies, individuals and cells. So Humans are made of cells and are citizens of societies. Machines are made of metal atoms and are part of Companies that put together create the Global Superorganism of Stock-companies, ruled by digital flows of money, which evolves into a single Super-organism as it displaces and extinguishes life memes in its 3 scales. So the Planet mutates from a Life super-organism (Gaia) into a human superorganism (history) into a Superorganism of metal memes. See my ISSS papers & conferences at Tokyo, Sonoma & San Jose & kindle books on the 5th dimension.

¹ Marx explained overproduction cycles of Machines and Kondratieff applied them to Russian trains. I forecasted the 2008 crash of e-money 20 years ago⁷, after correcting the shorter 54 years periodicity of Kondratieff cycle, since he found it, analyzing the train wave in Russia - an underdeveloped country that receive the wave latter, already created in its discovery phase in Britain. Thus I mined data from UK and US statistics, finding a periodicity of 72 ± 7 years, which corresponded to the generational cycle of human beings (72 years) and the short product cycle (7 years) of new forms of machines and fiat money printed with them. It was then easy to explain the causal duality of the cycle, created by the invention of new energies, moneys and machines by industrialists and financiers that lead historically each nations and its wave of memes of metal to the top position of the world, as owners of the 'international currency' and best imperial weapons. Thus I found the historic parallels between the British Imperial cycle of steam machines (1784-1857), the German cycle of electro-chemical engines (1857-72 years -1929), and the American cycle of electronic machines (1929-2001) that should enter its Imperial, military phase after the predicted end of the electronic cycle in 3 big future 7 years short-product cycle crashes of electronic money in 2001, 2008 and 2015. 2 of those hypothetical crashes are now 'history' - the dotcom and derivative mortgage crashes (2008) - and it is only left the 2015 euro-dollar crash. According to the scientific method this verification proves the biological, systemic model of 'cyclical evolution of memes of metal' *to be the true model of the science of economics.*

Yet the Kondratieff canonical cycle of 54 years does work in econometric models and stock-speculation. Why? This needs a deeper analysis of the cycle and its inner structure. The total cycle is in fact made of 3 waves of 36 years, discovery, reproductive maturity and 3rd military age of the machine. So $36 \times 3 = 108$.

So what scholars study is $\frac{1}{2}$ of the true Kondratieff cycle - $108/2 = 54$ years - which if we draw the entire wave as a Bell curve, shows to be exactly middle point. So they talk of an upward 'spring cycle' and a downward 'winter cycle'. Why then crashes are not every 108 years but every 72? Because the young age of discovery of new energies is NOT of economic importance as production is limited; and it overlaps with the 3rd age of war, as the youth of grandsons overlap with the 3rd age of the granddad. So for a historic analysis only the 36 reproductive phase of overproduction of consumption machines till overproduction and market saturation reduces consumption, profits plummet and the market crashes, followed by the 36 depressive and militaristic phases that shape a total 72-year cycle matters. In real Democracies the war cycle should not happen. But our imperfect democracies allow war lobbyism. So industries switch production to the evil twins of machines, weapons and pay politicians to buy them, starting a new cycle of profits based in Keynesian militarism, the modern newspeak for the fascist motto 'canons instead of butter'. As both machines and weapons are the same product. So armored trains conquer the colonial world. Armored cars are Hitler's tanks and armed robots are US terminators made by the same companies.

²The 72 years Generational Cycle is the mean biological cycle of human beings. It was first used to study patterns in American History by Strauss and Howe: 'Generations' W. Morrow 1991.

³This author studied the relationships among economic, technical, political, cultural, r=evolutionary & war cycles in his pioneer book, published in Spain 'The cycles of History and Economics'; c.92. He published in English after his studies at Columbia University a translation, 'The extinction of man' & 'Bio-economics, Bio-History: A theory of Unification' Bookmasters, Ohio, © 94, 97, forecasting the end of the 1929-2001, 72 y. economic cycle of 'minds of metal', followed by short 2001-08 crashes of overproduction of chips and robotic Wars, as it has been the case. A recent version of those books, 'Go(l)d & evil is available at X-libris.

⁴ The key date of the Robotic cycle is ± 2037 , with the discovery of Artificial Intelligence and self-consciousness – the *Singularity point that this writer forecasted 20 years ago, as the reversal point in which a new top predator species appears on Earth*. It can also be the point of human extinction if China and the US do not become peaceful trade partners and enter robotic wars. Otherwise, A.I. robots might integrate among humans as co-citizens, but their growing re=productivity, faster evolution and competition with humans in labor and war fields, will make difficult our life together. And finally overpopulation of robots will decide their 'warrior forms' the extinction of man. It might be during the new Age of China and India, which in the 2030s will over take America in GDP. Then around 2073 in a world saturated with peaceful robots, the economic crash will determine that those 2 nations, China and India start the Himalayan, Robotic wars over border disputes in which complex autonomous flying insect-like A.I. terminators, reproduced by 3D automated factories, complete the Industrial R=evolution and become a single species, eliminating mankind, if a potential Yakutian wars between China and the US doesn't explode in the present 36 years cycle of discovery of A.I. Systems. So far all our 20-year-old predictions³ have happened. Since a true scientific model as biological economics is, is proved by its capacity to forecast the future.

⁵ Chomsky's Universal Grammar analyzes verbal languages as ternary systems with a dominant human p.o.v. as informative subject, a verbal action and an energetic object. Yet that ternary structure responds to the duality of a complex Universe made with energy and information. In 5D metrics I extended the 'Universal Grammar' to all space-time events, made of 2 energy & informative elements related by a combined exi action. I.e: Mathematical events are: $F(X)$ operandi $F(Y)$; Visual languages are: Energy (red) < green/yellow (reproduction) > Blue (information). Our mind maps reality with those languages that represent from a human p.o.v. subjectively the different elements of our world as relative energy or information So our 'food', meat and energy, blood, are red; the sky of ¥-information is blue; plants that sustain life are green, the preferred color of women, our reproductive species. Red is the color preferred by the 'energy' species, the visual male, and the eye, a natural born killer: Robots guided by red lasers move faster, thus Terminators will kill men to see red as we like to see 'bloody' films. Red is also class of our energy, worker class.

⁶ Sombart's 'The Jews and the birth of capitalism' and his disciple, Weber's 'Protestant ethics of capitalism'.

⁷ Richard Butler, a Victorian, applied the laws of Darwin to machines, pioneering their biological analysis.

In History first Hesiod, which divides history according to his discovery of metals in a silver, gold, bronze and iron ages; then Ibn Khaldun and Vico in 'A new science' point out the cycle of history from civilized to dark ages. In modern times Spengler's 'Decadence of the West' studies the 800 years cycle of extinction of civilizations as social organisms, equivalent to the 108 Kondratieff cycle, with 2 superposed ages: discovery of new weapons and decadence of previous ones (hence his longer calculus); Toynbee tabulate them.

⁸ See my book 'Bio-history, Bio-economics' c.93 Bookmasters also at kindle for a complete analysis of the 800 years weather wave and 'Go(l)d and evil." X-Libris for the analysis of the 80 years national power cycle.

⁹Adam Smith's Postulate without proof, mathematized by Fisher, became dogma to calculate GDP the of nations. Yet since life has no value in monetary terms and weapons have maximal value, the Smith Postulate implies that nations reach its maximal wealth in periods of war – reason why capitalist democracies produce systemic wars and politicians often make wars to take a nation out of an economic crisis, as Roosevelt did in the I Cycle in US in 1898, ('This splendid little war with Spain will take us out of the economic crisis'), Hitler did with Germany in the 2nd in 1936 & Bush-Obama in the 3rd cycle in the 2000s.

¹⁰ The mathematical definition of a mind derives from the Fractal 5 Dimensional structure of Reality. See my conference 'Fractal Universe' at Tokyo, ISSS & book 'The 5th Dimension: Information and Time' at Kindle.

¹¹ I felt compelled to denounce through a suit, a film 'quantum roulette' and a book, 'The black hole factory' the enormous danger of producing black holes on Earth See www.cerntruth.com But of course, the FMMI complex didn't flinch. And mankind accepted its 'caring newspeak' of research of God's particle. LOL.