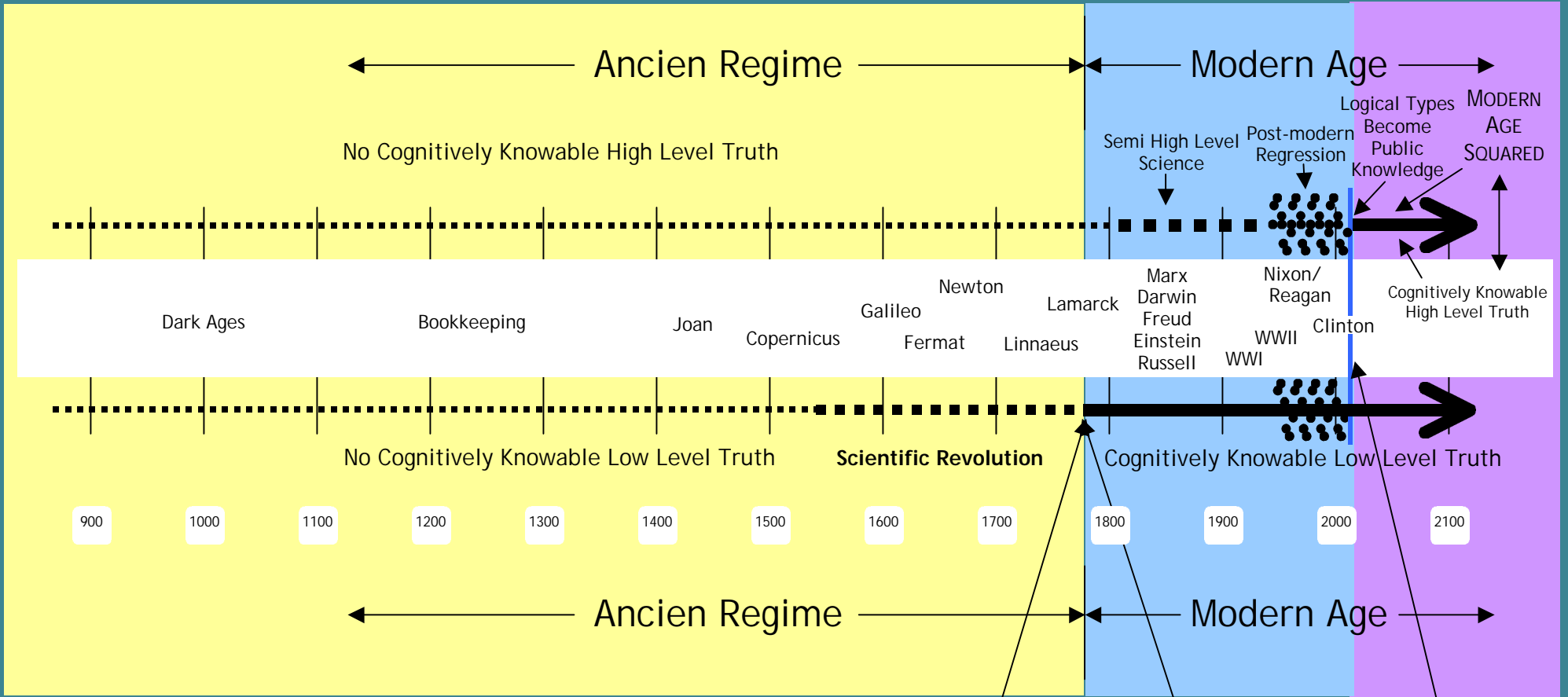


# Recent Intellectual History In The West As I Understand It



- French Revolution - Institutionalization of The Scientific Revolution Ushers in The Modern Age

(projected) If the proper things happen in a timely way

## Political History As I Understand It (*My God, we're so close*)

### The Dream Time, Again (*projected*)

300 years from now	routinely cruising the beyond
<b>100 years from now</b>	<b>Three Whole Generations In Health, Vitality, Affection, and Wonder</b>
<b>now</b>	<b>Intelligence Applied, The Cure, 6 Billion Healthy, Vital Persons Wide, And Onwards</b>

### Rule By Bullies

1 hundred years ago	Major Efforts at Communist Revolution
5 hundred years ago	Joan Arrives, God Sends a Messenger (better late than never, God)
5 thousand years ago	written history
10 thousand years ago	a correctable mess

### The Dream Time

<b>12 thousand years ago</b>	<b>Early Farming Society, Stability, Vitality</b>
<b>30 thousand years ago</b>	<b>Famous Cave Paintings</b>
<b>100 thousand years ago</b>	<b>Me, Us, Girls, Modern Times</b>
200 thousand years ago	Neandertal, brains to build, to wonder, and to behold
500 thousand years ago	Controlled external warmth, fire, shelter
1 million years ago	Homo Erectus, worldwide human evolution
2 million years ago	Habilis, Tools, Clothes, Communication
<b>3 million years ago</b>	<b>Lucy, First Human Like Creature, Affection</b>

### We Can Work It Out

15 million years ago	dolphins in current state
40 million years ago	whales into the ocean
<b>55 million years ago</b>	<b>Earliest Primates</b>

### Café life

65 million years ago	large dinosaurs becomes extinct
100 million years ago	oldest placental mammals
<b>220 million years ago</b>	<b>Oldest Mammals, Controlled internal warmth</b>
300 million years ago	amniotes evolve herbivory

## Red Star Over Devonian - Storming the Banks - Waving Red Flags and Chanting Slogans From Chairman Mao And Martin King

<b>350 million years ago</b>	<b>Tetrapods From Water To Land, Room To Breathe, To Touch, To Build, and To Behold</b>
------------------------------	---

## The Struggle - God Becomes a Photographer - Photo Etchings Become A Planet Wide Nervous System

400 million years ago	first jawed fish
460 million years ago	earliest millipede tracks on land
<b>480 million years ago</b>	<b>Earliest Known Land Plants</b>
<b>500 million years ago</b>	<b>First Fish</b>
550 million years ago	Oldest known vertebrates

### Cutie-pie Wittle Aimals

<b>1 billion years ago</b>	<b>Multicellular Animals</b>
----------------------------	------------------------------

### Origins

3.8 billion years ago	Oldest confirmed signs of life
<b>4 billion years ago</b>	<b>Proteins, Replication, The Birth of God, And The Committee, Let's Do Something</b>
4.5 billion years ago	Earth Forms

### Early Days

<b>15 billion years ago</b>	<b>The Big Bang</b>
Before 15 billion years ago	The Beyond

Note on this chart:

The way I made this chart, was, I looked over the chart on page 239 of Carl Zimmer's book, **Red Star Over Devonian**, I mean, no no, how silly, that's not the title, he never touches politics, wait a second, here it is, it's "**At The Water's Edge: Macroevolution and the Transformation of Life**", that's it, (Free Press, 1998), and then I copied some of the events from the chart, leaving the dates intact. I then simplified and dramatized some of the descriptions, added some recent stuff, and worked out the period titles.

I guess you might say, very very metaphorically, that Zimmer provided the basic paleontological vertebrate, and I filled in the historical creature around it.

"At The Water's Edge: Macroevolution and the Transformation of Life" (circa 350 million years ago, and circa 40 million years ago) was actually a kind of fascinating paleontology book, especially, among other things, the part about the hox genes.

And especially too, the thought of those tetrapod creatures climbing up on the banks those first few million years, to be greeted by wonderous air, light, and touch, was something I actually found sorta thrilling. And naturally, being me, political, artistic, medical, social, romantic, mathematical, and Beatles metaphors came to mind.

But then again, maybe I'm just prejudiced in liking the book so well, as the author is just a kid, from Brooklyn, and I maybe felt just a touch of homeboy pride.

for:

Stephen Jay Gould

A profoundly helpful person, whose book, Marrakech, I was reading carefully in the weeks prior to creating this chart. I especially loved the chapter on Lavoiser. Sweet integrity, we're all on the same page on that, through all the ages.

It may have been Stephen, who provided me with the major framework for this sort of history thinking. A sense of it.

There are three great themes that have run through the history of all life on this planet for the past three billion years.

They are: Accuracy, Helpfulness, and Purpose.

The first two, Accuracy and Helpfulness, have been scientifically shown to be fundamental structures of this bioecosystem, and all life within it.

It was Bertrand Russell, the famous Harvard mathematician, who proved, scientifically, the fact of accuracy as bottom line, ecosystemic structure.

And it was Charles Darwin, the famous British naturalist, who proved, again scientifically, the fact of helpfulness as yet another bottom line ecosystemic structure.

Purpose, has not yet, to my knowledge, been scientifically proven, however, in the Western world, certainly since the days of the famous African humanist, Jesus Christ, all societies on this planet have strongly sensed its presence. The scientific proof of Purpose, is still to come, and come it will, for such is the way of this bioecosystem, and humans within it.

In the current period, the most recent five hundred years, perhaps the single most important development pointing the way toward sorting out the great problems of humanity, was an event generally known to historians as The French Revolution.

While the French revolutionaries did indeed seek to reverse the destructive tide that humanity has ridden for the last several thousand years, and set us all on a helpful course, they did not, in fact, 'crack the case'.

Their famous slogan, "Liberte, Equality, Fraternite", as it turned out, was not a universal statement of the pathway that must be understood for the great problems of life to be sorted out.

Rather, it was only a helpful reaction to the terrible circumstances then obtaining, but one that fully skirted the fundamental Accuracy, Helpfulness, and Purpose issues that must be addressed. It was a cry for relief from pain, rather than an ongoing, for all, solution.

This website, and the project which it represents, directly addresses a sorting out of the first two great bioecosystemic gridwork issues, Accuracy and Helpfulness, and points the way towards an understanding of the third.

As regards the Accuracy property of this bioecosystem, it is perhaps best seen by imagining putting two ( II ) same things next to three ( III ) same things. Putting them together, the result will always be five ( IIII ) same things, as long as the units remain the same as each other. It will never result in seven same unit things, nor twenty-eight, nor four. This is the same all over the world, in mountain and dessert, in Asia, and America, and Africa, and through all time, all cultures, going back four billion years. It was true before there were humans on this planet, and it was true before anyone could even understand that. No other creature can understand that, although all humans are endowed with the ability to understand it. This is referred to as a property of the single, primary reality of this bioecosystem.

We know that it's true, because that result,  $3 + 2 = 5$ , has come up consistent, one million times out of one million, and indeed one billion times out of one billion. While it's true that only humans can consciously understand that, DNA has operated on that consistency and accuracy basis for some three billion years, and humans for some three million. Singular accuracy, the same for everyone, constant for all time, consistent with everything else that's true, and fully knowable to every human being.

Some people refer to this as an 'ethereal', or 'symbolic', or 'abstract' notion. However. When something comes up absolutely consistent, over millions of tries, we know it is 100% accurate, as certain as we know that that the ground that we are walking on is solid. We stake our lives on consistent accuracies like that, thousands of times every day. And we live for many decades, proof of singular reality, and of our ability to understand this property of Absolute Consistency, and Accuracy, another word for which, is truth.

As regards the Helpfulness property of this bioecosystem, it is perhaps best seen by recalling the fact that every atom in every cell of every organism, must be constantly replenished by healthy organisms and nutrients all around us, all the time.

Were help from the world around, to become unavailable to any organism, in its need to constantly replenish every atom of its body, that organism would cease to exist instantly. Darwin's great discovery was that every animal only exists so long as it continues to constantly deliver outwards, and to receive, massive assistance, among its environment.

Nature selects for that which strengthens all within it, and therein strengthens the whole nature system. "Natural selection", as Darwin liked to put it. He proved, scientifically, that the way that nature advances, is that those organisms that properly and Helpfully contribute to the survival of other organisms, and the whole world around them, survive over time.

Thus, the properties of Singular Accuracy – as in the 3 plus 2 equals 5 example – and of Helpfulness – as in the 100% dependency of every organism on other organisms, are self-evidently proved, scientifically, to the absolute satisfaction of the cognitive mind of every human being. Of this, there can be no question.

As regards the Purpose property of this Bioecosystem, that is indeed not yet scientifically proven, however the outlines of that proof can already be glimpsed. (See page 1 of this file, or the reverse side of this leaflet.)

## 'Passing The Torch', All Those Hundreds Of Thousands Of Years Ago.

In earlier times, several billion years ago, nature hit upon a 'species to species' mechanism for solving damage-producing problems: the genetic 'graphics tablet', which consists of apparently 'dormant' clusters of genes within each organism's chromosomes, and which was designed to be the "rearranging and solving structure" for solving damage-producing problems and losses, again, by arranging genes into ever more advanced configurations from species to species over millions of years. Although the mechanism of genetic advancement ***is no longer relevant*** to the major problems that must now be addressed, it is helpful to understand that that old genetic change mechanism, is, in fact, a lower level, earlier form of what later became human intellect, human decision-making, and problem-solving. In the current, ***more highly advanced form***, electrons arrange and rearrange within the neural structure of the human central nervous system - thoughts, emotions, enactments - solving problems and creating more advanced solution, minute to minute, over lifetimes, and over millennia, replacing the earlier, lower level system which consisted of genes being arranged and rearranged within chromosomes over millions and billions of years. The earlier structure for problem solving, that is, genetic rearrangement, while working within the rules and patterns of the overall bioecosystem ("the Laws of God" or "the rules or patterns of this star's 'committee' of high level forces of physics", as you wish); while working within those "laws" or "patterns" ***genetic rearrangement itself created its own replacement, which is the higher level, current structure for problem solving, namely, the cognition/intellectual system of each Homo Sapiens Sapiens individual.*** Thus, each individual's cognition/intellect system was designed through evolution, to be, ***in our own time***, the specific mechanism that solves previously unseen and unforeseen problems, much as genetics functioned as the problem-solver in its day. It's a big responsibility and Homo Sapiens Sapiens did spectacularly well with it for ninety thousand years. Unfortunately, about 9,000 years ago, some people made (and some people keep making) some absolutely unnecessary, ***atrocious*** decisions, some 'strongly-self-perpetuating-but-not-completely-so' processes were set in motion (and continue to operate), all of which in turn, brought about and continues to bring about catastrophic consequences. Mostly avoidable then, absolutely correctable all along, almost entirely repairable now.

**Genetic change 'outdid itself' so to speak, by creating a higher level replacement for its own problem-solving function, namely the human intellectual/cognitive system.**