

**ALFRED DE GRAZIA**

**QUANTAVOLUTION AND**  
**CATASTROPHE**

**Introduction to the series**

*PART ONE*

**INTRODUCTION**

Charles Darwin said in 1869 in the "Origin of Species" that "anyone whose disposition leads him to attach more weight to unexplained difficulties than to the explanation of a certain number of facts will certainly reject my theory." For a long time it seemed unwise to weigh too heavily the anomalies. Now the time has arrived when "unexplained difficulties" have become indeed too many for the Darwinian model of gradual incremental Evolution by natural selection to support. It should be replaced by a theory of Quantavolution. Or, at least, it should be placed up against a contrasting model.

Quantavolution theory maintains that the world from its beginnings, including the world of life and humanity, has changed largely by quantum leaps, rather than by tiny increments over great stretches of time. The over two million words of this collection of works by the author and collaborators present the full range of ideas and phenomena that pertain to this theory. It may be well to warn promptly against claiming any relationship to quantum field theory in physics, although dire consequences to gravitation concepts may inhere, because of the seeming all-sufficiency of new electromagnetic theory.

Such a global change of perspective requires a search for new evidence, a reformulation of old evidence, a reconsideration of anomalies, changes in meanings of words and phrases, explorations of etymologies of words and concepts, and a reexamination of assumptions, often when they are so accepted as to be trite and so trite as to be ignored -- removed, indeed, from our very cognitive structures.

For example, there is an immense idea that persists in the literature to the effect that the Moon was torn from the Earth; this story is told not only by scientists such as George Darwin and George Fisher but also by myths of various cultures. Invariably, if a discussion of the matter is allowed at all, the posited event is positioned in time billions of years ago in the conventionally agreed upon youth of the Earth. Such an event, if it were to be treated seriously in an encyclopedia, would invade hundreds of articles with its causes and effects, changing practically every discipline in ways great and small. This set of works does not treat this idea alone as the true theory; but it considers it properly so serious as to warrant consideration under many headings.

Such theories of "quantavolution" play a part in all discussions as to the origin of the other bodies of the solar system; one needs to explain the considerations that have led serious scholars to ask whether and how the planets originated from the Sun or, if not, then from one or another of themselves (such as Jupiter). Furthermore, the universal belief of ancient cultures and legends, that the gods were born, and were members of the same family, would begin to stir our interest.

In many cultures, there is said to have been an original chaos or world vapor and a catastrophic event from which the father of the gods was born and from him (or her) was born the succession of gods. Why "born" instead of having always been in existence? It is not enough to say that these phrases are only analogies with the birth of animals in nature, or only fairy tales based on the analogies. Why should this be? Many analogies cover realities: might this be such a case? When one says, "Babies are born like puppies," one certainly is not denying that babies are born. And why were all of these gods identified, if of any importance, with the planets and other sky bodies?

Most, if not all, cultures, have insisted that the planets and other sky bodies are divinities. Does this not lend support to the hypothesis of a true succession of birth throes in the heavens? Would this be evidence of a marvellous early philosophical synthesis connecting the birth of the cosmos to that of the members of an earthly family? No matter if the alarming thought should arise: the members of the solar system arose somehow from one another in a series of catastrophes that somehow early humankind had some knowledge or theory about.

This is the kind of reasoning that unsettles many scientists and ordinary people who are content to rest with their ordinary perspectives on the universe; it is a "whistle-blower" on the prevailing paradigm of the sciences and the humanities, calling back the play to the line of scrimmage.

The catastrophes responsible for the development of the theory of quantavolution were immensely greater than these, to be sure, but the elemental forces at work, the chemistry, the electricity, the psychic reactions are typical and homologous. As with a host of experiences of the past and present, the individual person must learn about catastrophes of the world -- past, present, and future -- from the testimony of the rocks, the skies, the fossils, the carvings, the ruins, and then from recorded history and logical thought.

The theory of Quantavolution deals with the behavior of substances of the real world so far as one can sense them. It proposes that change in nature and life occur largely as the result of catastrophic events; the events originate in the skies, which contain forces that are immeasurably greater than any in man or Earth and that are especially electrical. There are numerous "catastrophists" who have contributed to Q.. It is vital to appreciate that in Quantavolution, the word "catastrophe" loses its completely bad connotation; for what the world is today is an effect of catastrophe or, better, of Quantavolution, whose goodness and badness are intertwined and to be judged by the philosophy of good and bad consequences.

The underlying philosophy of Quantavolution inclines toward a phenomenological instrumentalism. It regards a "truth" as a fitting and useful part of a system of such truths that constitute

as a whole a possible tolerable outlook upon existence. The terms pragmatism, logical positivism, and operationism come to mind when reaching out for related perspectives. As with catastrophists, many philosophers might be cited. Among them would be Plato, Ockham, Bruno, Locke, Berkeley, Vico, Husserl, Freud, Dewey, Mead, Wittgenstein, and Bridgman.

The day may not be far off when a new philosopher will draw upon the applicable contributions of such thinkers and the fast-growing body of quantavolutionary literature to produce a new philosophy of science.

## ***PART TWO***

### **THE Q-C TEST**

[Note: this letter was attached to the first experimental copies of the Q-C Test, July 1997.]

***ARE YOU CONVENTIONAL OR  
QUANTAVOLUTIONARY IN  
YOUR SCIENTIFIC OUTLOOK??***

***TEST YOURSELF HERE!!!***

Dear Student of Cosmic Affairs:

It appears that the time may be right for a test to distinguish more or less conventional and evolutionary scientists and scholars from what, for lack of better, can be called quantavolutionary scientists and scholars.

I have accordingly devised a test in two parts of 15 items each, to determine the relative position of a person in regard to these two paradigms. Your apparent interest in 'C' & 'Q' suggests that your self-analysis would be most helpful in observing trends in science.

I would be much obliged if you would take a few minutes to circle the 30 items of the C-Q Test and remand it to me by e-mail, or otherwise. Although it would be wonderful to obtain a number of individualized replies to publish on

*www.grazian-archive.com*

I shall withhold your identity if you say so, and merely incorporate the results in the statistical analysis.

In either event, I would welcome your comments. I shall be improving the test and perhaps merging the two parts with several additional "placebo" items before being done with it.

Ought I to proceed with a public discussion of the test and its cumulative findings?

Sincerely,

Alfred de Grazia

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Mail: P.O. BOX 1213, Princeton, NJ 08542, USA

## C-TEST

To gauge agreement of individuals with the Paradigm of Conventional Science

*Based on Fifteen Primary Propositions of Conventional Science respecting natural and human history, and the degree of adherence of an individual to them.*

**Instructions:** There follow fifteen statements of major theses, principles, or propositions of Conventional Science, each one of which is preceded by a short name. Please react to each principle by scoring it from one (1) for firm disagreement to (5) for firm agreement. Draw a circle around the number or check your answer. Use number three (3) when you are without any belief or knowledge or commitment one way or another regarding the statement.

Thus, for instance, a score of 15 for the test means that you disagree totally with the principles of Conventional Science. A score of 75 means that you are in full agreement with the principles of the version of Conventional Science expressed here. Actually, you would most likely be termed fully Conventional only if you agreed with all fifteen of the propositions.

There is no time limit for completing the test, of course. Please answer every statement. When finished, add up and insert your total score where indicated.

### *Fifteen Propositions*

1. **Gradualism.** The world has changed almost entirely by small-scale, incremental transactions of small or large scope from earliest to present times.

1      2      3      4      5

2. **Independent Effects.** Changes in one field of scientific observation normally are weakly discernible in other areas and transfer into them slowly.

1      2      3      4      5

3. **Terrestrial Isolation.** From earliest times, Earth has developed its physical and vital forms from internal sources of materials and energy.

1      2      3      4      5

4. **Gravitational Accumulations.** The solar system originated in gravitational condensations from a gigantic dust cloud surrounding a young Sun.

1      2      3      4      5

5. **Elaborative Polymorphism.** Great variations of all inorganic and organic forms occurred by lawful, regular processes of nature.

1      2      3      4      5

6. **Lunar Capture.** The Moon formed during the condensation of gases and dust that originated the solar system and came within the gravitational grasp of the Earth.

1      2      3      4      5

7. **Perennial Geological Flux.** In due course, the Earth's surface has been altered by the gradual limited and calculable play of natural forces: waters, winds, pressures, and heat.

1      2      3      4      5

8. **Uniformitarianism.** Inorganic and organic nature have transmuted, with minor exceptions, at low, uniform rates for all of Earth history.

1      2      3      4      5



9. **Evolution.** The present species of life have unexceptionally developed from ever earlier forms that themselves originated by environmental adaptation in isolation and occasional successive chemical mutations.

1      2      3      4      5

10. **Homo Sapiens Sapiens.** In the course of evolution, natural selection, working at every vital level, eventuated in a being of high intelligence, capable of deliberate, rational decisions.

1      2      3      4      5

11. **Increasing Consciousness and Self-awareness.** Gradually humans developed a sense of history that let them order their lives presently and for their future, and learned to exercise advanced faculties for pleasure.

1      2      3      4      5

12. **Cultural and Institutional Invention.** Bit by bit, cultural traits were evolved in all of the various aspects of life, and could be placed ever higher upon a ladder of complexity and utility.

1      2      3      4      5

13. **Religious Sophistication.** From primitive fear and ignorance, gods were imagined, and afforded sacrifices, but eventually higher religions, with a benign, single god and simple rites, prevailed.

1      2      3      4      5

14. **Macrochronism.** The evolution of the solar system, Earth, and life forms, took up about five billion years, of which the last several million were required to produce human beings with their advanced societies.

1      2      3      4      5

15. **Cross-validation of Time and Events.** Dozens of distinct measures and correlations have mutually supported

macrochronism and, with evolution theory, have proven the singular correctness of the historical path of science.

1      2      3      4      5

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**TOTAL SCORE** = \_\_\_\_\_

**AVERAGE SCORE** =TOTAL/15= \_\_\_\_\_

## Q-TEST

To gauge agreement of individuals with the Paradigm of Quantavolution

*Based on fifteen key propositions of quantavolution, and the degree of adherence of a person to them.*

**Instructions:** There follow fifteen statements of major theses, principles, or propositions of Quantavolution, each one of which is preceded by a short name. Please react to each principle by scoring it from one (1) for firm disagreement to (5) for firm agreement. Draw a circle around the number or check your answer. Use number three (3) when you are without any belief or knowledge or commitment one way or another regarding the statement.

Thus, for instance, a score of 15 for the test means that you disagree totally with the principles of Quantavolution. A score of 75 means that you are in full agreement with the principles of the version of Quantavolution expressed here. Actually, you would most likely be termed a quantavolutionary even if you agreed with one or two of the propositions.

There is no time limit for completing the test, of course. Please answer every statement. When finished, add up and insert your total score where indicated.

### *Propositions*

1. **Quantavolution.** The world has changed mostly by large-scale and abrupt jumps or saltations or quantavolutions from earliest to present times.

1      2      3      4      5

2. **Holospherics.** Every quantavolution was holospheric such that, what became in late times human morals and science, were affected in their every branch by its remnant evidence and its contemporary effects.

1      2      3      4      5

3. **Exoterrestrial Genesis.** The ultimate source of quantavolutions has been exoterrestrial.

1 2 3 4 5

4. **Solaria Binaria.** The solar system originated and developed to this day as an often violent process of transactions between the Sun and a solar-exploded body.

1 2 3 4 5

5. **Poly-episodic Catastrophes.** Quantavolutions (usually referred to pejoratively as catastrophes) have been experienced on sundry occasions and have been unequal in intensity.

1 2 3 4 5

6. **Lunar Explosions with Global Fracture.** The explosion of Moon from Earth, and the global fracture accompanying it, produced the present basic volume and morphology of Earth.

1 2 3 4 5

7. **Disturbed Geological Columns.** Every geological column on Earth is ideosyncratically disturbed.

1 2 3 4 5

8. **Exponential Apocalypses.** Every quantavolution has taken the form of an exponential catastrophic curve with a sharp ascent and a negatively exponential descent, tailing off toward uniform change.

1 2 3 4 5

9. **Species Mass Changes and Extinction.** Extant species have simultaneously on occasion been drastically reduced in numbers and type or extinguished while new species were being generated and old ones modified by holistic mutated gene leadership.

1 2 3 4 5

10. **Schizoid Humanization.** During a quantavolution, Homo Sapiens originated in a sudden gestalt as a schizoid species controlling multiple selves, and preferably to be called Homo Sapiens Schizotypicalis.

1      2      3      4      5

11. **Mass Amnesia and Sublimation.** Primeval Homo Sapiens experienced a traumatic suppression of memory and acquired a sublimatory psychological complex.

1      2      3      4      5

12. **Cultural Hologenesis.** Homo Sapiens promptly developed a poly-faceted language and full-function culture.

1      2      3      4      5

13. **Divine Succession.** Originally gods were idealized by the human mind, and their basic traits and functions proceeded through all successive major gods and families of gods.

1      2      3      4      5

14. **Microchronism.** Quantavolutions, since the solar nova that instituted the solar system, occupied brief periods of time, while intervals between them were also brief, measureable in thousands up to a million years.

1      2      3      4      5

15. **Consonant Paradigmatics.** Despite a much greater stress upon electromagnetic forces in all natural and vital events, the experiences (including experiments) and logic employed in constructing and proving the quantavolution paradigm are homologous with those of the conventional paradigm of scientific method.

1      2      3      4      5

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**TOTAL SCORE** = \_\_\_\_\_

**AVERAGE SCORE** = TOTAL / 15 = \_\_\_\_\_

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## ***PART THREE***

### **A Comment on the Q-C Test and Its Individual Items.**

(Original text of test is underlined. The commentary is on normal font.)

A]

#### **C-TEST**

#### **To gauge agreement of individuals with the Paradigm of Conventional Science**

*Based on Fifteen Primary Propositions of  
Conventional Science respecting natural and human history,  
and the  
degree of adherence of an individual to them.*

The conventional science part of the C-test assumes that a common set of attitudes toward the method and findings of science is possessed by scientists, a correct set which, put into practice, gives a correct view of the real world, inorganic, organic, and human. These attitudes or beliefs are but an intuitive sample of a larger unknown number that would presumably give the same results when administered to the same individuals. The set of attitudes reflects with limited but fair accuracy the paradigm mentally possessed by twentieth century scientists. Since the paradigm is most general and cosmic, all propositions about it are partial, irregular, insufficient, and the individuals taking the test will naturally distribute themselves in different attitudes towards them.

B]

**Instructions:** There follow fifteen statements of major theses, principles, or propositions of Conventional Science, each one of which is preceded by a short name. Please react to each principle by scoring it from one (1) for firm disagreement to (5) for firm agreement. Draw a circle around the number or check your answer. Use number three (3) when you are without any belief or knowledge or commitment one way or another regarding the statement.

There are many ways of posing the attitudes as principles. One could attempt to use five propositions as the core of the conventional scientific ideology, or ten, or twenty or fifty.

Validity and reliability might be enhanced. Often in test-construction, a large number of test items are chosen and then the invalid and unreliable subsequently discarded, until the smallest number that completes the universe of inquiry is left remaining. Often the salient and valid few are doubled or trebled to be sure that the respondent understands what the inquirer wishes him/her to understand, especially when the universe of respondents is intellectually, morally, linguistically and otherwise diverse. In the present situation, the Q-trenders may be even more diverse, for once the constraints of conventional scientific ideology or scientism are broken, the escapees and refugees scatter in every direction.

Most conventional scientists will largely accept the C-test, scoring high, whereas the quantavolutionaries will score on the C-test in varying degrees of acceptance, or so we surmise. As the test-creator sees it, a mark of '5' means an item is most likely true, a mark of '4' means the item approaches broadly some truths, a mark of '3' denotes uncertainty, a maybe-yes maybe-no position or a lack of sufficient awareness or knowledge to cast a judgement, or both of these plus a failure to understand what is intended or what is meant by the item. This is the infamous "don't know" category that haunts the pollsters. If the individual's position is important, usually the test-maker provides for an extensive and intensive interview, a depth questioning, to get the nuances of the impasse, whereupon the test-maker places the individual respondent more to the one way or the other. An item marked '2' would be deemed to mean that the statement is wrong-headed and contains little broad truth. A '1' is to inform the test authority that the item is almost surely untrue. Some experts would warn against even an attempt to order the postures and attitudes of people in this most complex region of human thought. Aside from all the technical and straight psychological arguments of the testing discipline, a substantial contribution to the theory of this kind of test must come from works such as those of Karl Mannheim on the sociology of knowledge, Hans Vaihinger on the nature and

logic of fictions, and Ludwig Wittgenstein on the construction of meaningful statements.

C]

Thus, for instance, a score of 15 for the test means that you disagree totally with the principles of Conventional Science. A score of 75 means that you are in full agreement with the principles of the version of Conventional Science expressed here. Actually, you would most likely be termed fully Conventional only if you agreed with all fifteen of the propositions.

Here it should be made clear that there is no real-world difference of 1 or 5 or whatever between the five phases of each item or between one item and another, and it has already been said that there are different bands of respondents who will settle firmly upon one reply and disdain a number of other items. The scores also say little about the degree of indignation with which rejection of other markings is regarded. The very sight of an item on evolution will elicit not only a mark of 1 or 5 but with the mark a snort of resentment against opposing markings.

D]

There is no time limit for completing the test, of course. Please answer every statement. When finished, add up and insert your total score where indicated.

### **Fifteen Propositions**

E]

1. **Gradualism.** The world has changed almost entirely by small-scale, incremental transactions of small or large scope from earliest to present times.

That is: one observes everywhere and in all things differences between time A and time B, which are almost always minute in relation to the total shape of things but amount to the vast differences between what was and what is, owing to the accumulation of small changes over long periods of time.



F]

2. Independent Effects. Changes in one field of scientific observation normally are weakly discernible in other areas and transfer into them slowly.

That is: what happens to one being or existence has a limited scope, affecting others little or not at all, as an avalanche will affect whatever is in its path but little more, or the death of one species will hardly affect many species.

G]

3. Terrestrial Isolation. From earliest times, Earth has developed its physical and vital forms from internal sources of materials and energy.

That is: Practically all that is present on Earth has evolved solely under the influence of combinations of ingredients and forces that preceded it on Earth and which in turn and ultimately go back to the earliest ages of the Earth.

H]

4. Gravitational Accumulations. The solar system originated in gravitational condensations from a gigantic dust cloud surrounding a young Sun.

That is: little by little, the material that composes the planets gathered in clumps that continued to draw in other material until most of the original outbursts from the Sun were housed in them, while space was vacated.

I]

5. Elaborative Polymorphism. Great variations of all inorganic and organic forms occurred by lawful, regular processes of nature.

That is: many shapes and physiologies and systems of being came about as one minor change succeeded another and elaborated differences that were originally minor into major differences.

J]

6.. **Lunar Capture.** The Moon formed during the condensation of gases and dust that originated the solar system and came within the gravitational grasp of the Earth.

That is: the Moon began independently to agglomerate a large mass but lost its independent motion vis-a-vis the Sun, as it was gradually carried into the Earth's orbit by the Earth's gravitational field but maintained an acquired new equilibrium locked at a distance to the Earth.

K]

7. **Perennial Geological Flux.** In due course, the Earth's surface has been altered by the gradual limited and calculable play of natural forces: waters, winds, pressures, and heat.

That is: soils and rocks and aquatic channels today can be shown to have been formed by the forces that today uniformly with the past work upon them.

L]

8. **Uniformitarianism.** Inorganic and organic nature have transmuted, with minor exceptions, at low, uniform rates for all of Earth history.

That is: on the whole, the past has been like the present, such that the changes in earth and life forms have averaged changes proportionate to elapsed time, each being and existence developing a unique pace owing to infinitely small changes in rate occurring through long ages.

M]

9. **Evolution.** The present species of life have unexceptionally developed from ever earlier forms that themselves originated by environmental adaptation in isolation and occasional successive chemical mutations.

That is: accommodating to its environment and multiplying by successfully competing for scarce goods with other species and individuals, a given set of individuals, brought into being as a species by a genetic mutation or related series of mutations,

reinforces its identity by separation from otherwise similar species, consciously or accidentally caused.

N]

10. **Homo Sapiens Sapiens.** In the course of evolution, natural selection, working at every vital level, eventuated in a being of high intelligence, capable of deliberate, rational decisions.

That is: evolving like every other life form, an animal related to the great apes and sharing much of their genetic and behavioral constitution, mutated and survived by virtue of an ever-growing brain that could cope ever more successfully with a variety of environments through discoveries prompted by realistic experimental reasoning.

O]

11. **Increasing Consciousness and Self-awareness.** Gradually humans developed a sense of history that let them order their lives presently and for their future, and learned to exercise advanced faculties for pleasure.

That is: an orderly memory, which contained readily a great many lessons obtained from experience, and permitted self-examination as well as systematic observation, brought on an accumulation of useful information that could be used for material progress and amusement in many forms.

P]

12. **Cultural and Institutional Invention.** Bit by bit, cultural traits were evolved in all of the various aspects of life, and could be placed ever higher upon a ladder of complexity and utility.

That is: cumulative experience in all aspects of life was put to work in the collective memory of the group as the basis for suggestions of improvement in technique and organization, and in the origination of new acceptable behavior and utensils.

Q]

13. **Religious Sophistication.** From primitive fear and ignorance, gods were imagined, and afforded sacrifices, but eventually higher religions, with a benign, single god and simple rites, prevailed.

That is: lacking command over himself , his fellows, and his environment, the early human grasped for support at whatever seemed more powerful and possibly helpful, gods who at first imitated his savage qualities but later on gods and finally one God who were culturally advanced in their offerings and demands of humans, to the point of being a large factor, for most unscientific people at least, in inspiring them to virtuous conduct.

R]

14. **Macrochronism.** The evolution of the solar system, Earth, and life forms, took up about five billion years, of which the last several million were required to produce human beings with their advanced societies.

That is: although only rough estimates of the age of the Earth and the several periods of its organic and inorganic evolution can be obtained, continued progress in chronometry has moved the age of the earth and its epochs to ever longer times, allowing thus adequate time for all of the observed transformations to have taken place.

S]

15. **Cross-validation of Time and Events.** Dozens of distinct measures and correlations have mutually supported macrochronism and, with evolution theory, have proven the singular correctness of the historical path of science.

That is: radioactive decay, occurring at constant rates over enormous periods of time, has been measured in association with its environment, organic and inorganic, and these have been shown to have ages generally much greater than geological measures alone have produced, showing the latter to have been partly conjectural, even if vastly longer than biblical time had been. Different radio chronometries are highly correlated when applied to the same objects, and variations have been successfully accommodated to settle differences. With the development of dendrochronology, dating from layered ice cores, radiocarbon dating, thermoluminescence dating, and other chemical, thermal, and historical methods, few lengthy gaps remain in the geological and biological record that are unapproachable scientifically.

T]**TOTAL SCORE = \_\_\_\_\_****AVERAGE SCORE = TOTAL/15= \_\_\_\_\_**

Note: two persons with the same average score may differ greatly in their fully described positions. Paired comparisons are recommended, and ultimately also the comparison of individual scores with a universe of hundreds and thousands of scores, not only as to averages but as to matched item correlations and other parameters.

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U]

### **Q-TEST**

#### **To gauge agreement of individuals with the Paradigm of Quantavolution**

*Based on fifteen key propositions of quantavolution, and the degree of adherence of a person to them.*

**Instructions:** There follow fifteen statements of major theses, principles, or propositions of Quantavolution, each one of which is preceded by a short name. Please react to each principle by scoring it from one (1) for firm disagreement to (5) for firm agreement. Draw a circle around the number or check your answer. Use number three (3) when you are without any belief or knowledge or commitment one way or another regarding the statement.

Thus, for instance, a score of 15 for the test means that you disagree totally with the principles of Quantavolution. A score of 75 means that you are in full agreement with the principles of the version of Quantavolution expressed here. Actually, you would most likely be termed a quantavolutionary even if you agreed with one or two of the propositions.

There is no time limit for completing the test, of course. Please answer every statement. When finished, add up and insert your total score where indicated.

The above instructions repeat closely those for the Conventional section. Perhaps it should be added here that unmarked items should be scored as 3 on grounds that they are the effect of confusion or unreadiness to commit an attitude.

### Propositions

V]

**1. Quantavolution.** The world has changed mostly by large-scale and abrupt jumps or saltations or quantavolutions from earliest to present times.

The key words behind quantavolution (Q) are *change*, *large-scale*, and *abrupt*. Essentially, change refers to a detectable difference in anything between Time 1 and Time 2 . By the world is meant the universe and all that it may contain, including its motions and events.

By *most* is meant something not much less than *entirely*, and what is left over consists of changes that are local and gradual. *Large-scale* applies to spaces and things and behaviors that rather arbitrarily we would envision as at least the size and features of Russia or South America or the Caribbean Sea. The change would occur abruptly, which we define as time durations from an instant to a century in which 50% of the total physical transformation happens. Terms used for quantavolution, "development by packets", include catastrophism, neo-catastrophism, saltation (a jump), revolution, apocalypse and punctuated equilibrium. A salient argument against the use of the term "catastrophism" is that it denotes a total misfortune, whereas a moment's reflection will persuade one that a great part of the fortunate inheritance of the world comes from the same catastrophes -- including the quantavolution or abrupt evolution of the human being.

W]

**2. Holospherics.** Every quantavolution was holospheric such that, what became in late times human morals and science, were affected in their every branch by its remnant evidence and its contemporary effects.

Quantavolutions were not contained to a set of rocks, a chosen people, a given language, a particular climatic sector, etc., but

within their large limits were all-encompassing. All spheres of nature and humanity were directly affected, and their effects were transmitted to every succeeding generation of rocks, genera, and cultures. Too, a Q employed all forces of nature: if the Q took the form of a meteoroid, water, fire, wind, and exploded earth acted simultaneously and in chains and mutual interactions.

X]

3. **Exoterrestrial Genesis.** The ultimate source of quantavolutions has been exoterrestrial.

The Earth was itself formed from exoterrestrial elements, an obvious deduction, but the fact leads to a realization that probably at no time in its existence has the Earth been out of touch with the exosphere. From its beginnings, the Earth had no internal force or energy that was not exoterrestrial in origin. Its volcanism, earthquakes, hurricanes, and floods have been compelled by exoterrestrial bodies composed of perhaps every kind of mineral and gas, and of every degree of density.

Y]

4. **Solaria Binaria.** The solar system originated and developed to this day as an often violent process of transactions between the Sun and a solar-exploded body.

Explaining the solar system is readily accomplished by introducing a theory of binary stars, ever more frequently observed, in which the explosion of a heavily charged sun expels a mass of debris whose largest portion, though a small fraction of the sun, acts as an electrical pole exchanging charge with the sun along a current of electric fire, which also serves to create a vast electromagnetic plenum in which planets, with their own electrical properties, develop. Conditions for the growth of life forms are often favorable and persist until the electrical axis and the tube around it expire, whereupon the planets are "on their own," so to speak. Although the theory of solaria binaria is unique, it can easily entertain a number of quantavolutionary theories that have been developing in recent years that portray the solar system undergoing a series of explosive and high energy events.

Z]

**5. Poly-episodic Catastrophes.** Quantavolutions (usually referred to pejoratively as catastrophes) have been experienced on sundry occasions and have been unequal in intensity.

Geological, astronomical, paleontological, legendary, and archaeological research has settled upon more than one and conjectured up to a score of global catastrophes in natural history, such that it is possible now to hypothesize a quantavolution at the end of and beginning of every major section of the geological column and every cultural period of the brinze and iron age. Among the greatest in effect have been, among geologists, those associated with the global fracture system circling the world, among paleontologists, those associated with the disappearance of the dinosaurs, and the flowering of life forms early in the Permian period, and among ancient historians those deemed by the ancients to be connected to the conduct of the planets and affording evidence in the wholesale destruction of ancient civilizations repeatedly.

AA]

**6. Lunar Explosions with Global Fracture.** The explosion of Moon from Earth, and the global fracture accompanying it, produced the present basic volume and morphology of Earth

Scientists divide unevenly into a majority who believe that the Moon was captured by the Earth a billion and more years ago, and a minority who believe that the Moon separated from the Earth at an equally early date, most of these expert grant that the event was catastrophic and quantavolutionary. Evidence points to the Pacific Ocean Basin as the source of the crust that was wrenched from the Earth by an electrically attractive passing body, coincidentally with a fracture that shot around the world as the continents-to-be swung in a great gravity slide to fill the basin. Besides the mainly crustal loss of the Moon-gathering, the fully-encrusted Earth lost additional material as debris into farther space and swelled in volume as its charge diminished.



BB]

**7. Disturbed Geological Columns.** Every geological column on Earth is ideosyncratically disturbed.

If one were to dig anywhere in the world, one would find practically everywhere an incomplete series of rock types and periods, with no two such drillings being alike. This claim goes counter to the prevailing belief in conventional science that a normal deep drilling to basic rock usually would produce mineral and fossil layers in their proper chronological order with few or no layers or ages missing.

CC]

**8.Exponential Apocalypses.** Every quantavolution has taken the form of an exponential catastrophic curve with a sharp ascent and a negatively exponential descent, tailing off toward uniform change.

Apocalypses refer to the catastrophes pictured and popularly revered in the Christian epic of St. John. Here it is a mnemonic nickname for quantavolutions. If charted, a Q occurs with little warning in years, days, and other units of time, except that a repeated threat is historically marked and watched obsessively by special priesthoods and the populace. Despite the warning, the events themselves, of course, are precipitous; what is one day here is gone tomorrow, a civilization, a culture, a great plain, a river, etc. After the peak period of activity, however, the Q at first steeply declines and then ever more slowly diminishes its effects until it establishes a mood of "it will not happen again." Thus, according to Q theory, C continental drift theory, even though its acceptance was a concession to a Q theory, is incorrect in believing that the continents have always been drifting very slowly, but that what is slow now was once a continental cracking and rafting at considerable speed.

DD]

**9. Species Mass Changes and Extinction.** Extant species have simultaneously on occasion been drastically reduced in numbers and type or extinguished while new species were being generated and old ones modified by holistic mutated gene leadership.

The scale and intensity of Q implies the decimation of species and paleontology increasingly locates and admits to the catastrophic ending of species. At the same time, C theory will not admit the sudden creation of new species in the same conditions of catastrophe whereas the Q theorists can claim that the same conditions allowed the springing forth in quick time of new families and species. Q theory accounts for the persistence of species as well as the destruction and creation of species to produce the puzzling array of flora and fauna of today.

EE]

10. Schizoid Humanization. During a quantavolution, Homo Sapiens originated in a sudden gestalt as a schizoid species controlling multiple selves, and preferably to be called Homo Sapiens Schizotypicalis.

Several Q theories of the birth of man are possible. One is indicated here. A gestalt is a sudden complex perception and cognition of a large body of mental material that has hitherto been disassembled and unknowledgeable. In a suddenly new natural environment and atmospheric state and in a minor genetic change from the hominid, a new being emerged with a delayed instinctive apparatus, connected with the bilateralism of brain hemispheres and functioning, such that a microdelay in the transmission of mental operations ensued, sufficient to expand the destinations around the brain of stimuli and the awareness of doubt about the meaning of the stimuli and a fearful need to control the multiple selves that were groping "thoughtfully" with the disparate end-locations of the stimuli. The mentation and behavior of the new animal is diagnosable today as a general schizophrenia, with its basic symptoms of shock, aggression, compulsion, and displacement.

FF]

11. Mass Amnesia and Sublimation. Primeval Homo Sapiens experienced a traumatic suppression of memory and acquired a sublimatory psychological complex.

The instinct-delay cerebral system genetically or permanently demanded by a new environmental constant quickly installed a memory blockage or amnesiac system to limit the flood of fears and doubts and contradictory demands on the new person. The amnesiac system allowed, or was compelled by overload

problems to bring about, an amorphous unconscious. The unconscious fostered a random, partially controlled, and imaginative surfacing of materials that were the source both of aesthetic creations and hypotheses, which, when subjected to demands to restore the more comfortable if less competent instinctive system of the hominid, also developed logic, calculation, science, and, in a word, rationality.

GG]

12. Cultural Hologenesis. Homo Sapiens promptly developed a poly-faceted language and full-function culture.

Speech and variegated behaviors emerged promptly and spontaneously with the poly-ego and its talking to itself. Transfer of first epithets, imprecations, and commands to the greatest powers known, the happenings in the sky and the responses of the earth, would impregnate catastrophe in the language as it developed for mundane use. The same would characterize the swiftly developing culture -- with rites, priests, magic, acoustical and electrical performances, fire-control and cuisine, etc. This hologenetic Q-theory stands alone perhaps to contend with conventional theories of linguistic and cultural genesis.

HH]

13. Divine Succession. Originally gods were idealized by the human mind, and their basic traits and functions proceeded through all successive major gods and families of gods.

Practically all religions, although some exceptional persons will claim the opposite, are in the line of descent from the primordial religiousness. With the illusory establishment of the first gods and of delusory devices to control them, the basic elements of religious practices from then until now were fixed: appeasement, obsessive forms of divine communication, sacrifice, basic artistic forms, authoritative ideologies, institutional imitations of the sky and earth-connected divine illusions. Successive quantavolutions repeated the same types of physical disasters and fell upon peoples that were inclined to fortify their old religions rather than to devise new ones, but at the same time would often rename the old and condemn them to try their fortunes with new, more powerful gods.

II]

14. **Microchronism.** Quantavolutions, since the solar nova that instituted the solar system, occupied brief periods of time, while intervals between them were also brief, measureable in thousands up to a million years.

Some Q theorists have attempted to preserve the appearances and save a great many reputations by staging their quantavolutions in accord with the present billions of years of "proven" earth history. Such would be, for instance, the theory of "punctuated equilibrium," an awkward euphemism as well as a scarcely justified faith in the swollen periods given to the past, now approaching 5 billion years. The problem of erasing these billions is easy when it comes to traditional geological measurements of time that employ stratigraphy, that apply uniform erosion rates of today to the past, *et al.* The problem is more difficult when it comes to measurements by radioactive decay of chemical elements, but here, too, uniformitarian assumptions can be brought into question: electromagnetic conditions of the past, far different than those of today, could eradicate the great stretches of time claimed by conventional scientists.

JJ]

15. **Consonant Paradigmatics.** Despite a much greater stress upon electromagnetic forces in all natural and vital events, the experiences (including experiments) and logic employed in constructing and proving the quantavolution paradigm are homologous with those of the conventional paradigm of scientific method.

At least one branch of Q theory questions the roots of so-called rationality, yet accepts the newer logic and linguistics as its only tools for arriving at "truth." It accepts experiments and the scientific method generally and it guards the method by psycho-sociological analysis of the processes. It is not mystic nor magical nor religious nor populist. The Q paradigm reconstructs the historical and scientific world with the historical and scientifically defensible weapons of science.

KK]

Total Score and Average are calculated in the same way as in the Conventional section of the Test.

## ***PART FOUR***

### **PROSPECTIVE CHANGES IN THE Q-C TEST**

**1. Placebos:** Placebos would designate items in the test that indicate nothing valid or useful to know for the purposes of the test. They function to prove a lack of unrelated differences between those who score differently on the test. For instance, it might be useful to add several items such as "Whether fast or slow, evolution by definition must occur in natural history." And, "Conventional science is more a matter of etiquette of science than it is a set of accepted theories." And, "A decline in the productivity of science, noticeable in the late twentieth century, is attributable in part to an increase in the extent of political corruption in advanced nations." It might occur that both C and Q respondents would score similarly on these items, whether by scattered or concentrated agreement.

**2. Religious Dimension: Creationism; agnosticism; mysticism; atheism; personal deism; scientific deism.** Religious ideologies have been shown to play a considerable role in adhering to scientific propositions of one kind or another. It would be possible to uncover some of these connections either by a couple of questions accompanying the test (such as, "How would you identify yourself in respect to the list of religious positions below: accept, reject, indifferent?" or by including distinguishing items as propositions such as "Quantavolution fortifies logically and evidentially religions that maintain a recent creation of the world and mankind by divine intervention."

**3. Additional Items:** Adding a number of items would help to validate existing items and at the same time lend reliability to the test as a whole. Thus, proposing that the dinosaurs and most other species were destroyed en masse in a brief time interval by the impact of an extra-terrestrial object, or proposing that the continental crust of the earth has been creeping by tiny increments over most of the global surface over all of Earth's history.

**4. Merging:** The Q-C Test will be henceforth merged into a mixed set of items, such that the respondent will be encountering items of C,Q and other significance randomly in the course of taking the test. Merging will promote a more independent series of judgements on the part of the respondent, and contribute to the significance of aggregated scores, in part and totality.

**5. Validation:** Validating a test that seeks to elicit ideological syndromes can be most difficult, depending upon the degree of certainty that the Thing exists in the first place and then the elusive and unconscious ways in which people are disposed to mal-describe and conceal their ideologies. Still, with the improvements already suggested, some approach to defining a Q and a C nuclear ideology, and in the process a Q mind and a C mind, can find credence.

**6. Randomizing and Cross-sectioning the Sample:** These ordinary problems of test development should present no unusual difficulties when developing the Q-C test. Inasmuch as over half of the adult population cannot read well enough nor are tutored enough to understand any considerable part of the test, either a special test should be constructed for them or they should be passed over in favor of administering the test only to persons who have passed three or more years of college. In the end, the test results most useful would be the results obtained from the professional and managerial classes. Since these are the people running the governmental, corporate, media and educational systems of the modern state, their ideologies are a matter of practical as well as contemplative interest.

**7. Extending the number of special disciplines implicated in the results:** In Part Five below will be found a list of entries planned for the Encyclopedia of Quantavolution and Catastrophe. Every discipline will be found there, and thus a case is made for finding Q relevant to all disciplines. It would not be too difficult to revise the test so as to apply it more directly to each and every major discipline -- geology, anthropology, theology, astronomy, mythology and so forth.

## 8. Uses:

a) **Abetting theoretical studies.** In this connection, the Q-C test can suggest that a wholesale replacement of received doctrines of science may be useful and possible.

b) **Discovery of trends in public awareness of science.** Are popular notions of what is occurring in science changing? Perhaps the test will give some indication of how and why the contents of the mass media are changing with regard to science and scientists.

c) **Discovering relationship between creationist belief and quantavolutionary belief.** Popular creationist belief is strong and seeks, spearheaded by a small group of intellectuals, to adapt quantavolutionary research and treatises to its own needs. Creationist scientists are inclined to dominate quantavolutionary circles, naturally, and certainly feel comfortable moving in and out of them. Much opposition to Q work by C scientists comes from a fear that Q is merely a front for creationism.

d) **Q-C scores as a function of age, occupation, religion, formal schooling.** The sociology of science and educators would gain by the knowledge of how Q and C ideas have been penetrating various social formations and categories. Psychological applications are suggested: is there a radical and conservative position on C and Q that conforms to political, intellectual, and social radicalism?

e) **Discovery of trends in ideology of scientists.** At a time when it is widely believed that the vast majority of scientists would be high-scorers on the C-test and low-scorers on the Q-test, the distribution of the component beliefs in the population of scientists would reveal the actual condition in this regard. Too, one may expect to learn whether the scientific elite, the so-called establishment, has moved from the conventional center of gravity more or less than the mass of scientists.

f) **Discovery of deficiencies and contradictions of belief brought on by specialization.** Especially with longer versions of the Q-C test, it may be observed how far and near the various

special fields of the scientists stand in relation to the conventional consensus. What medical specialty, for instance, is most radical in acceptance of Q tendencies? How do homeopathic practitioners rate?

**g) Enumerating the varieties of conventional and quantavolutionary thought.** A great many controversies characterize both the conventional and the quantavolutionary camps. From the hi-score C camp, it appears that the conventional scientists are divided and the Q enemy is united, whereas nothing is more obvious to the Q, and angrily regrettable, than the splintering into tiny fragments of the Q outlook.

**h) Fostering interdisciplinary communication.** Scientists and educators who have deplored the lack of sympathy and understanding between the public and politicians on the one side and scientists on the other might regard the results of extensive Q-C testing as indicative of the gravity of the problem, or of improvements occurring. At the same time, tests results of different scientific groups might demonstrate that communication among scientists is as serious a problem as it is between science as a whole and the public. Test results among scientific cohorts might illustrate, too, the togetherness of the scientific fraternity as a whole. Deviations from consensus might be regarded as deviations of thought or deficiencies in knowledge of sciences other than one's own.



## ***PART FIVE***

### **The Scope of Quantavolution**

There follows a list of terms to be used as entries in the Encyclopedia of Quantavolution and Catastrophes. Although there is no planned correlation between this list and the contents of the present CD-Rom of 14 volumes of Quantavolution, and although the 14 volumes have an embedded search engine for calling up all references to any idea or person or incident that maybe contained in the volumes, the list here may be suggestive as to subjects that might be present and treated in the 14 volumes, and then searched for and found therein.

Scores of scientific and humanistic fields have evolved. Actually every field of knowledge has standing behind it one or more fields of science, and therefore may be considered as a field of applied science, as for instance, architecture or fictional romances. One way of comprehending the extended meaning of general theory of quantavolution is to browse amidst the list of entries that are contemplated for the Encyclopedia of Quantavolution and Catastrophe. These number several thousands and another thousand will probably be added before the first edition is finished. It will be recalled that the criteria for including an entry in the Encyclopedia is that at least prima facie the entry directly or indirectly affects the theory of quantavolution. Thus, the abundance of gods carried in the work would be expected if one considers that every known god is connected directly or indirectly with global quantavolution. Every physical law of science is involved. Most concepts of biology and genetics are relevent. Every part of solar system astronomy enters the work, so, too, numerous stars. By small stretch of the imagination, every scientific and humanistic discipline has many concerns to take from and give to the quantavolutionary paradigm. To take a seemingly removed case, political science, in both its historical and contemporary materials, must consider many aspects of quantavolution -- legends, distortions of history, movements generated by the belief in the immediacy of catastrophe, the behavior of not only

politicians but also seemingly far-removed scientists who are consciously and unconsciously influenced by catastrophic ideas in their beliefs and by power manipulations in their collectivities. Many entries, it must be said, are built into the Encyclopedia on a need to understand what conventional science is saying and on a suspicion that there must be some quantavolutionary content to the thing or idea if it were to be more extensively pursued. Excluded from the entry are thousands, and then millions, of things and persons and events, such as are found in general encyclopedias and library catalogs. After all, even a football player might conceivably be included as an entry on the ground that the origin of the game lay in the most ancient religious practices wherein the ball and the players stood for celestial gods and other divine events long remembered. Thus one stands on the brink of declaring that all events are subject to the core events of quantavolution.

(Home)

## LIST OF ENTRIES

# ENCYCLOPEDIA OF QUANTAVOLUTION AND CATASTROPHE

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A

aa

Aar Gorge

Aaron

Aaron's rod

abacus

Abell, George D.

Abell-35 nebula

aberrational Earth forces

Abery, Jill

abiogenesis

abiotic compound

ablation

aboriginal humans

aborigine

Abraham

abrupt transform  
absolute zero  
absorption  
Abydos  
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Acadian disturbance  
acanthode  
Acapulco Bay  
acceleration  
accelerator  
acclimatization  
accretion by comet  
accumulation, precipitate  
accumulator, bioenergy  
achondrite  
acid rain  
acid-base reaction  
acoustics  
acquired immune deficiency syndrome (|aids|)  
Acropolis  
actinide elements  
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action, unit of  
actor, acting  
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Adams, Walker S.  
Aden, Gulf of  
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Adriatic Sea  
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The Toba supereruption was a supervolcanic eruption that occurred about 75,000 years ago at the site of present-day Lake Toba in Sumatra, Indonesia. It is one of the Earth's largest known eruptions. The Toba catastrophe theory holds that this event caused a global volcanic winter of six to ten years and possibly a 1,000-year-long cooling episode. In 1993, science journalist Ann Gibbons posited that a population bottleneck occurred in human evolution about 70,000 years ago, and she suggested that this