How The Universe Works!

A Graphic Guide
Its Science and History

Doug Mayberry
A RESEARCH PUBLICATION

By

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FORWARD

Only ‘all’ is the total of ‘all’ infinity. Total space, in which we exist, therefore is only a part of infinity; having dimensions, is under absolute control, and is wisely organized. The following is an overview of that eternal reality.
PART I. ORGANIZATION OF THE COSMOS

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1. THE MASTER UNIVERSE

The Master Universe encompasses the total of ‘all’ material creations; having a projected expansion-potential of almost an infinity of creation!

Though the immensity of Father’s far-flung creations is utterly beyond the grasp of our presently finite limitations, the following depictions are an attempt to bring the concept to you.

DISCLAIMER

The following renderings listed below are illustrations as perceived by the author; however, the facts captioned and relied upon are revelations of eternal truth as found in the Urantia Book:

The Master Universe

Total Space

The Vertical Cross Section of Total Space

The Isle of Paradise and Its 21 Sacred Spheres

The Central Universe of Havona

The Great Unique Belt & Our 2nd Space Level

The Grand Universe
THE MASTER UNIVERSE

Illustration C
TOTAL SPACE

All is the only total of all infinity! Space is therefore only a part of infinity, and is divided into pervaded and unpervaded space. The location of all creation is found only in pervaded space; and unpervaded space is its space reservoir. Therefore total space, divided into pervaded and unpervaded space, is not without dimensions; they both have a top, a bottom, a front, and an end.
The Eternal Central Universe: The 3 Circuits of the 21 Sacred Spheres surrounding Paradise, and the 7 Circuits of the 1 billion perfect eternal worlds of Havona.

The (current) Grand Universe: Paradise, the 1st Space Level of the Eternal Central Universe, and the 2nd Space Level of the seven superuniverses in time and space.

The Master Universe: The Eternal Central Universe, the Grand Universe, and the four (4) Outer Space Levels.
The Master Universe presently is inclusive of the perfect central universe of Havona – in eternity, and our 2\textsuperscript{nd} Space Level Path of the presently evolving imperfect seven superuniverses and four uninhabited outer space levels – in time. Each of these space levels eternally revolve alternately clockwise and counter-clockwise about the eternal Isle of Paradise, with enormous elliptical zones of quiescent space activities free from star dust – cosmic fog, existing between the seven superuniverses and the four outer space level paths.

As noted, the current Grand Universe comprises the 1\textsuperscript{st} Space Level Path of the Eternal Central Universe and our 2\textsuperscript{nd} Space Level Path of the seven superuniverse. And about 300,000 light years beyond the periphery of the present grand universe is the beginnings of a zone of unbelievable energy action which increases in volume and intensity for over 25,000,000 light years. These tremendous wheels of energizing forces are situated in a continuous belt of cosmic activity – the first outer space level – encircling the whole of the known, organized, and inhabited creation of the grand universe. And it is revealed that it is here that we are
(right now) being spiritually trained to take part in its future administration. 70,000 aggregations of matter are already in outer space, each of which is greater than any one of the seven superuniverses in time – and this is just the beginning of the stellar evolution in these regions. For millions of new galaxies are in the process of formation out in the outer space levels; and their sizes are enormous – millions of light years in width. The improving telescopes of our astronomers will reveal no less than 375 million new galaxies in outer space. But only can we imagine the immensity of outer space and sense the extent of its majestic dimensions, for in our short life time, here on this planet, only can we hope to know very little otherwise about these enormous realms.
Paradise is Eternal and the single largest creation in All Infinity. Located as the very nucleus of all creation -- some 700,000 light years from our planet here -- it is our pre-destined destiny and, if you so chose, where your most exquisite and personal Paradisical home (right now) awaits the Eternal arrival of you!

Illustration B
2. The Eternal Isle of Paradise

Paradise is the eternal center of total creation - the master universe - and the abiding place of the Universal Father, the Eternal Son, the Infinite Spirit, and their divine co-ordinates and associations - to include our to be most glorious and perfectly exquisite Paradise residential homes. This central Isle is the most gigantic organized body of cosmic reality in all the master universe. Paradise is a material sphere as well as a spiritual abode. All of the intelligent creation of the Universal Father is domiciled on material abodes, hence must the absolute controlling center also be material, literal. And remember, spirit things and spiritual beings are real.

Paradise serves many purposes in the administration of the universal realms, its material beauty consisting in the magnificence of its physical perfection, but to creature beings it exists primarily as the dwelling place of Deity. The personal presence of the Universal Father is resident at the very center of the upper surface of this geographically divided - upper, peripheral, nether (lower) surface - well-nigh circular, but not spherical, flat (coin-like) abode of the Deities. This Paradise
presence of the Universal Father is immediately surrounded by the personal presence of the Eternal Son, while they are both invested by the unspeakable glory of the Infinite Spirit.

God dwells, has dwelt, and everlastingly will dwell in this same central and eternal abode. The revelators have always found him there and record that we always will. The Universal Father is cosmically focalized, spiritually personalized, and geographically resident at this very center of total creation.

The revelators all know the direct course to pursue to find the Universal Father. Though we are not able to comprehend much about the divine residence because of its remoteness from us and the immensity of the intervening space, those who are able to comprehend the meaning of these enormous distances know God’s location and residence just as certainly and literally as we could know the location of New York, London, Rome, or Singapore, cities definitely and geographically located on our planet, universally known as Urantia. If you were an intelligent navigator, equipped with ship, maps, and compass, you could readily find these cities. Likewise, if you had the time and means of passage, were spiritually qualified, and had the necessary guidance, you could be piloted through the starry realms, until at last you
would stand before the central shining of the spiritual glory of the Universal Father. Provided with all the necessities for the journey, it is just as possible to find the personal presence of God at the center of all things as to find distant cities on our own planet. That you have not visited these places in no way disproves their reality or actual existence. That so few of the universe creatures have found God on Paradise in no way disproves either the reality of his existence or the actuality of his spiritual person at the center of all things.

The Father is always to be found at this central location. Did he move, universal pandemonium would be precipitated, for there converge in him at this residential center the universal lines of gravity from the ends of creation. Whether we trace the personality circuit back through the universes or follow the ascending personalities as they journey inward to the Father; whether we trace the lines of material gravity to nether (lower) Paradise or follow the insurging cycles of cosmic force; whether we trace the lines of spiritual gravity to the Eternal son or follow the inward processional of the divine Sons of God; whether we trace out the mind circuits or follow the trillions upon trillion of celestial beings who
spring from the Infinite Spirit – by any of these observations or by all of them we are led directly back to the Father’s presence, to his central abode. Here is God personally, literally, and actually present. And from his infinite being there flow the flood-streams of life, energy, and personality to all universes.

3. Paradise is the Location of Our Eternal Homes

Seven trillion evolving inhabitable worlds (estimated to be in time and space), together with the perfect eternal central universe (of over one billion perfect worlds in eternity), currently comprise the evolving grand universe (see illustration E); and the grand universe, together with the four (4) Outer Space Levels, comprise the present master universe (see Illustration C).

‘All’ is the only total of all infinity! Space is therefore only a part of infinity, and is divided into pervaded and unpervaded space (see Illustrations A & F). The location of all creation is found only in pervaded space; and unpervaded space is its space reservoir. Therefore, total space, divided into pervaded and unpervaded space, is not without dimensions; they both have a top, a bottom, a front, and an end.
If you would to imagine the vertical cross section of total space, it would slightly resemble a Maltese cross (see e.g., Illustration A & F). The horizontal areas, being equal in dimension of length and completely surrounded by zones of relative quiet, represent pervaded space – those forces, energies, powers, and presence known to exist in creation. The vertical arm extensions (described similarly to the volume outlines of a large hourglass) represent unpervaded space – vast space reservoirs. And with none of these arms touching the nucleus of this cross, found in this very center of all infinity, is the Eternal Isle of Paradise – the eternal home of God-Himself.

The Eternal Isle of Paradise is the only creation of its kind in the total of all infinity; and it’s ellipsoid, not spherical, as all other inhabited space bodies (see Illustration B). And pre-existentially with God’s freewill decision-choice to eternally actualize the Eternal I Am of his infinite inherent potentials in all (throughout the total of all creation), did the Eternal Isle of Paradise, the eternal central universe, and the dimensions of space (itself) simultaneously (eternally) emerge.

The dimensions of pervaded and unpervaded
space are tangent to, but do not touch Paradise itself; for it is only the quiet mid-space zones that come in contact with this motionless headquarters’ nucleus of all infinity. Paradise is in fact the motionless nucleus of the relatively quiet zones existing between pervaded and unpervaded space. Paradise therefore, does not exist in either time or space, but in reality ‘pre-exists’ in infinity – and is its very center!

Being essentially flat, the north and south diameter of Paradise is one-sixth longer than its east and west diameter, and its upper and lower surface is one-tenth its east to west diameter. And taken in connection with its single form of motionless materialization of neither dead or alive material, and the greater out-pressure of cosmic force-energy at its north end – its dimensions account for the total possibility of establishing absolute direction throughout the cosmos.

All space breaths; and Paradise is the source of its pulsation. Thus, as pervaded space expands, unpervaded space contracts – and vice-versa; and this respiration effects both the horizontal arm extensions of pervaded space and the vertical arm extensions of unpervaded space. And pervadable space becomes non-pervadable space, and non-pervadable space
becomes pervadable, as both types of space units flow through the transmitting regulation channels found just under lower Paradise.

As lower Paradise is the source of all cosmic force-space and energy manifestations, upper Paradise is the universal headquarters for all personality activities throughout infinity. And its periphery, among other non-personal functions, serves as the actual landing port for all Paradise arrivals; for neither upper nor lower Paradise is approachable by any personality transport.

If one would look up from upper Paradise, nothing but unpervaded space would be seen – coming in and going out – presently just now coming in. For there is a two (2) billion-year expansion-contracting cycle of pervaded and unpervaded space – one billion years to expand, and one billion years to contract. And time is by virtue of this 2 billion-year (motion) cycle; and because the function of mind gives an awareness of sequentiality.

Concerning the total of creation – as space exists in the horizontal arena of pervaded space, time exists by virtue of the motion inherent in the vertical arena of unpervaded space.

Located on the upper level, at the very center of Paradise itself, brilliantly found as
the first of three concentric zones is the most glorious, perfectly ideal, and unimaginably exquisite eternal residence of the real (pure) Spirit Person of God-Himself! And it is from here that God the Father of all perfectly controls the total of all creation through the infinity of his four absolute gravity circuits: spirit, mind, materialization (energy-matter), and personality.

As the materialization circuits of physical gravity originate in and gravitate towards lower Paradise, the three remaining circuits of spirit, mind, and personality all originate in and gravitate towards upper Paradise. And in God -- all things return to their source of origin. Concluding it is only God who is both the source and the destiny of all personality.

All created personality actually originate in, respond to, and gravitate towards the central Deity of God-Himself. All personalities therefore seek to attain God, and to perfectly respond to creation, within their particular sphere of inherent potential -- as God!

Immediately surrounding the three concentric zones of the Deity presence of the Universal Father, the Eternal Son, and the Infinite Spirit, is the vast concentric area named the Most Holy Sphere. Having no physical manifestations, only intellectual creations, it
is this area where all Paradise personalities worship God, so strong and intense is their worship that even God must urge them – in his own loving way – to go on and be about the duty of their individual universe assignments!

Surrounding the vast concentric zone of the Most Holy Sphere is the Holy Land or Holy Area – the outlying concentric residential region where ‘our’ most exquisite eternal individual homes are (right now) awaiting our personal individual arrival(s).

This Holy Area is large enough to reside almost an infinity of created personalities. In fact, if all the humanity to have ever lived on this planet were now to reside in these perfectly beautiful and exquisitely landscaped (pre-existent) individual homes, only would a mere fraction of just one (1) percent of this assigned area be occupied!

Divided into seven concentric zones, themselves divided into seven immense divisions each, it is the second of these concentric zones located near the actual Spirit Person of God-Himself and his associate Deities that you would could actually find the perfect and exquisite individual eternal home of you; (right now) awaiting, if you so choose, your personal Paradise arrival! And to those of you who so choose, may I say: absolutely, I will see you
4. The Eternal Central Universe

Moving out from the Holy Area of Paradise, to the periphery of Paradise itself
- Paradise abruptly ends! And if you would imagine a finite, inconceivably large V-shaped plane, placed at right angles of both the upper and lower surfaces of Paradise – with its point nearly tangent this periphery – and then visualizing this plane in elliptical revolution about Paradise, its revolution would (roughly) outline the volume of pervaded space. (See Illustration A).

Pervaded space extends horizontally outward – through and beyond the current periphery of all creation. And with reference to any given location in creation, if one could move far enough at right angles either up or down (though how far is not known), eventually, the upper or lower limit of all creation would be encountered, and within these known dimensions, such limits draw further and further apart, at greater and greater distances, from the central location of Paradise itself.

Within the horizontal pattern of pervaded space, six concentric space levels revolve around the ellipsoid of Paradise, and each and all are surrounded by relatively quiet space zones. And the eternal Isle of Paradise and the six concentric space levels together comprise the (present) total of all creation – and is named the Master Universe. (See
As the first concentric space level revolves clockwise (in eternity) about the elliptic peripheral of Paradise, the second space level revolves counter-clockwise, the third space level revolves clockwise, and so on until the last and outer space level revolves counter-clockwise (in time and space) in elliptical revolution about Paradise. And it is this counter-balancing, in connection with the gravitational pull of lower Paradise, that provides the entire stability of all the cosmos.

Having no beginning nor no end, or being not the result of any evolutionary development, the perfect eternal central universe maintains its pre-existence in the first concentric space level — and is named Havona. (See Illustration D).

The eternal Isle of Paradise and the simultaneously created perfect eternal central universe of Havona (together) serve as the Paradise-Havona system — and is commissioned to eternally be the actual Headquarters of all Infinity!

And as its one day is just 7 minutes, 3 and 1/8th seconds less than one thousand (1,000) years of the planetary calendar of our leap year here, so too does this one day, in
eternity, serve as the standard time measurement of our 2nd Space Level Path of time and space; though each of the seven superuniverses, in time, maintains its own internal standard of time.

The first concentric space level comprises ten concentric stabilized units that all revolve around Paradise as one vast plane. And this one and only, wholly created, perfect eternal central universe planetary family is the external core of which all the creations of time and space revolve.

The first three concentric circuits of Havona, having seven spheres each, are the twenty-one (21) sacred life spheres of Paradise; of which Divinington, the home of the Thought Adjusters, can be found in the first of the three. Together these 21 spheres embrace the potentials of the function of the Master Universe — in the Self-revelation of the Eternal I AM actualization of God, by God-Himself!

Traveling out from the clockwise processional of the three circuits of Paradise spheres, the seven concentric circuits of the Havona worlds are approached. Comprising one billion spheres of unimagined beauty and superb grandeur, each world is original and
uniquely planned. And although each circuit differs having upward of 35 million worlds in its innermost circuit and over 245 million worlds in its outermost circuit, with varying proportions in between, each of these worlds in each of the seven circuits follow one another in a perfect orderly linear procession. (See Illustration D).

Of those of us who so choose, one by one we must traverse and visit each of these one billion Havona worlds as our final proving grounds to Paradise perfection, with our actual replete perfection being attained on Paradise itself. And when on our visits of the last of these billion worlds, we will leave behind the urge-stimulation of our present curiosity and its discover-satisfactions inherent in time - to be replaced with the forward urge-impulses of the eternal-satisfactions of (your) eternal spirit living.
THE GRAND UNIVERSE

Illustration E
The grand universe is the presently organized and inhabited material creation; and it consists of the central universe of Havona, in eternity, and the seven evolving superuniverses, in time – all revolving about the Paradise-Havona system. The seven superuniverses are unfinished and therefore new nebulae are constantly being organized. When finished, each superuniverse will contain 100,000 local universes, containing about 10,000,000 inhabited planets each.

It is 400,000 light years between the Great Unique Belt and our 2nd Space Level Path; and our seventh superuniverse, Orvonton, is presently located in the southeast between superuniverse one and six. Having a diameter of approximately 500,000 light years, containing more than ten trillion suns, practically all of the starry realms visible to our naked eye belong to Orvonton. Forming a watchlike, elongated-circular grouping, this great aggregation of suns, dark islands of space, double stars, globular clusters, star clouds, spiral and other nebulae – together with the myriads of individual planets – is about one seventh of the inhabited evolutionary universes; and its vast Milky Way starry system
represents its central nucleus. Gazing through the main body of this realm of maximum density, when the angle of observation is propitious, you are looking toward Paradise.

Our local universe, Nebadon, is located near the edge of Orvonton, and has not long since (as we reckon time) turned the southeastern bend of the Orvonton space level path. And well out towards the borderland of Nebadon is our planet Urantia, which belongs to our local system, Satania, and is a member of our solar system, Momantia.

Today, Momantia is a few billion years past the swing around the southern curvature of the 2\textsuperscript{nd} Space Level Path so that we are just now advancing beyond the southeastern bend and are moving swiftly through the long and comparatively straightaway northern path. And for untold ages Orvonton will pursue this almost direct northerly course.

And consider, whereas one (1) light year is equal to 6 trillion of our standard planetary miles, it is some two hundred (200) thousand light years from Jerusem, the capital of our local system Satania, to the physical center of our 7\textsuperscript{th} superuniverse, Orvonton; and a trifle less than two hundred and fifty (250) thousand light years from the center of Orvonton to its outermost system of inhabited worlds. Truly,
we are not alone!

Imagineing the north end of Paradise in eternity, and the counter-clockwise direction of our immense 2nd Space Level Path in time, Superuniverse Two is in the north, preparing for our path’s westward swing; while Superuniverse Three, having already turned into the curve leading to the southerly plunge, now maintains the curve’s northernmost segment. Whereas the advanced regions of Superuniverse Four are now approaching opposition to Paradise, and is on our path’s comparatively straightaway flight, Superuniverse Five has almost left its position opposite Paradise, while continuing on the direct southerly course just proceeding the path’s eastward swing. Superuniverse Six now occupies most of the southern curve, the segment from which our 7th Superuniverse, Orvonton, has nearly passed. And Orvonton, having not long turned the path’s southeastern bend, swings between Superuniverse Six and One. Thereby, completing our great elliptic 2nd Space Level Path of the seven superuniverses in time.

[Oh yes, the location of our planet, Urantia, is denoted in Illustration E as ‘U’!]

But the grand universe is not only a
material creation of physical grandeur, spirit sublimity, and intellectual magnitude, it is also a magnificent and responsive living organism. There is actual life pulsating throughout the mechanism of the vast creation of the vibrant cosmos. This material and living organism is penetrated by intelligence circuits, even as the human body is traversed by a network of neural sensation paths. This physical universe is permeated by energy lanes which effectively activate material creation, even as the human body is nourished and energized by the circulatory distribution of the assimilable energy products of nourishment. The vast universe is not without those co-ordinating centers of magnificent overcontrol which might be compared to the delicate chemical-control system of the human mechanism.

Much as mortals look to solar energy for life maintenance, so does the grand universe depend upon the unfailing energies emanating from nether Paradise to sustain the material activities and cosmic motions of space.

Mortal man is responsive to spirit guidance, even as the grand universe responds to the far-flung spirit-gravity grasp of the Eternal Son, the universal supermaterial cohesion of the eternal spiritual values of all the creations of the finite cosmos of time and
Man’s urge for Paradise perfection, his striving for God-attainment, creates a genuine divinity tension in the living cosmos which can only be resolved by the evolution of an immortal soul; this is what happens in the experience of a single mortal creature. But when all creatures and all Creators in the grand universe likewise strive for God-attainment and divine perfection, there is built up a profound cosmic tension which can only find resolution in the sublime synthesis of almighty power with the spirit person of the evolving God of all experiencing creatures, the Supreme Being.

6. Organization of the Seven Superuniverses

Only the Universal Father knows the location and actual number of inhabited worlds in space; he calls them all by name and number. This revelator therefore could only give the approximate number of inhabited or inhabitable planets, for some local universes have more worlds suitable for intelligent life than others. Nor have all projected local universes been organized. Therefore, the estimates which are offered are only for the purpose of
affording some idea of the immensity of the material creation.

There are seven superuniverse in the grand universe, and they are constituted approximately as follows:

1. **The System.** The basic unit of the supergovernment consists of about one thousand (1,000) inhabited or inhabitable worlds. Blazing suns, cold worlds, planets too near hot suns, and other spheres not suitable for creature habitation are included in this group. These one thousand worlds adopted to support life are called a system, but in the younger systems only a comparatively small number of these worlds may be inhabited. Each inhabited planet is presided over by a Planetary Prince, and each local system has an architectural sphere as its headquarters and is ruled by a System Sovereign.

**Satania,** the name of our local system, is an unfinished system containing only 619 inhabited worlds. Such planets are numbered serially in accordance with their registration as inhabited worlds, as worlds inhabited by will creatures. Thus, was our planet Urantia given the number **606 of Satania,** meaning the 606th world in our local system on which the long evolutionary life process culminated in the appearance of human beings. There are
nearly two hundred spheres which are evolving so as to be ready for life implantation within the next few million years. **Jerusem** is the name of the headquarters’ sphere.

The oldest inhabited world of Satania, world number one, is Anova, one of the forty-four satellites revolving around an enormous dark planet but exposed to the differential light of three neighboring suns. Avona is in an advanced stage of progressive civilization.

2. **The Constellation.** One hundred systems (about 100,000 inhabitable planets) make-up a constellation. Each constellation has an architectural headquarters sphere and is presided over by the Most Highs. **Norlatiadek** is the name of our constellation; and **Edentia** is the name of its headquarters and the seat of the administration of the Most Highs, the Constellation Fathers. Edentia is approximately one hundred times as large as our world Urantia.

3. **The Local Universe.** One hundred constellations (about 10,000,000 inhabitable planets) constitute a local universe. Each local universe has a magnificent architectural headquarters world and is ruled by one of the co-ordinate Creator Father-Sons of God of the order of Michael. The name of our local universe is **Nebadon**; and its headquarters
capital is **Salvington**. The organization of planetary abodes is still progressing in Nebadon, for this universe is, indeed, a young cluster in the starry and planetary realms of our seventh superuniverse, Orvonton. At the last registry, there were 3,840,101 inhabited planets in Nebadon, and Satania, the local system of our world, is fairly typical of other systems. This local universe sovereign is the God-man of Nebadon, Jesus of Nazareth and Michael of Salvington; for its was indeed this same Michael of Nebadon who was bestowed and born on our planet August 21, 7 B.C. at High Noon.

4. **The Minor Sector.** One hundred local universes (about 1,000,000,000 inhabitable planets) constitute a minor sector of the superuniverse government; it has a wonderful headquarters world, whereon its rulers, the Recents of Days, administer the affairs of the minor sector. The name of our minor sector is **Ensa**, and its headquarters is **Uminor the third**.

5. **The Major Sector.** One hundred minor sectors (about 100,000,000,000 inhabitable worlds) make one major sector. Each sector is provided with a superb headquarters and is presided over by three Perfections of Days. Our major sector’s name is **Splandon**; and its headquarters is **Umajor the fifth**.
6. **The Superuniverse.** Ten major sectors (about 1,000,000,000,000 inhabitable planets) constitute a superuniverse. Each superuniverse is provided with an enormous and glorious headquarters world and is ruled by three Ancients of Days. **Orvonton** is the name of our seventh superuniverse, and **Uversa** is the name of its spiritual and administrative headquarters. The glory, grandeur, and perfection of the Orvonton capital surpasses any of the wonders of the time-space creations.

7. **The Grand Universe.** Seven superuniverses make-up the present organized grand universe, consisting of approximately seven trillion inhabitable worlds plus the architectural spheres of the one billion inhabited spheres of the eternal central universe of Havona. The superuniverses are ruled and administered indirectly and reflectively from Paradise by the Seven Master Sprits. The billion worlds of Havona are directly administered by the Eternal of Days. If all the projected local universes and their component parts were established, there would be slightly less than five hundred billion architectural worlds in the seven superuniverses.

Excluding the Paradise-Havona spheres, the plan of universe organization provides for the
following units:

Superuniverses                         7
Major Sectors                          70
Minor Sectors                          7,000
Local Universes                       700,000
Constellations                       70,000,000
Local Systems                        7,000,000,000
Inhabitable Planets                 7,000,000,000,000

Each of the seven superuniverses is constituted, approximately as follows:

One System embraces, approximately 1,000 worlds
One Constellation (100 local systems) 100,000 worlds
One Universe (100 constellations) 10,000,000 worlds
One Minor Sector (100 universes) 1,000,000,000 worlds
One Major Sector (100 minor sectors) 100,000,000,000 worlds
One Superuniverse (10 major sectors) 1,000,000,000,000 worlds

All such estimates are approximations at best, for new systems are constantly evolving while other organizations are temporarily passing out of material existence.

7. Our Seventh Superuniverse

1. Orvonton is the name of the seventh
superuniverse in which our planet, Urantia, is found, and Uversa is the name of its spiritual and administrative architectural headquarter capital. And the glory, grandeur, and perfection of this Orvonton capital surpasses any of the wonders of the time-space creations.

2. Splandon is the name of our major sector; and the name of its superb headquarters is Umajor the fifth.

3. Ensa is the name of our minor sector; and the name of its wonderful headquarters world is Uminor the third.

4. Nebadon is the name of our local universe, and its magnificent architectural headquarters capital is Salvington. In Nebadon the organization of planetary abodes is still progressing, for our local universe is, indeed, a young cluster in the starry and planetary realms of our seventh superuniverse Orvonton. At the last registry, it is revealed that there were 3,840,101 inhabited planets.

5. Norlatiadek is the name of our constellation; and Edentia is the name of its architectural headquarters. Edentia is approximately one hundred times as large as our world Urantia.

6. Satania is the name of our local system, and Jerusem is the name of its headquarters sphere. The local system is the basic unit of
the superuniverse government and consists of about one thousand inhabited or inhabitable worlds. Blazing suns, cold worlds, planets too near hot suns, and other spheres not suitable for creature habitation are not included in this group. These one thousand worlds adapted to support life are called a system, but in the younger systems only a comparatively small number of these worlds may be inhabited.

Satania is an unfinished system containing only 619 inhabited worlds. There are thirty-six uninhabited planets nearing the life-endowment stage, and several are now being made ready for life-implantation; and there are nearly two hundred spheres which are evolving so as to be ready for life implantation within the next few million years. Such planets are numbered serially in accordance with their registration as inhabited worlds. Our planet Urantia was thus given the number 606 of Satania, meaning the 606th world in our local system on which the long evolutionary life process culminated in the appearance of all us human beings.

The oldest inhabited world of Satania, world number one, is Avona, one of the forty-four satellites revolving around an enormous dark planet but exposed to the differential light of three neighboring suns; and Avona is in an advanced stage of progressive civilization.
7. **Urantia** is the universal nomenclature of our planet, and it is of origin of our sun, and our sun is one of the multifarious offspring of the Andronover nebula, which was one time organized as a component part of the physical power and material matter of our local universe Nebadon. And the great Andronover nebula itself took origin in the universal force-charge of space in our seventh superuniverse Orvonton, long, long, ago.

**Our World Urantia**

Our world, **Urantia**, is one of many similar inhabited planets which comprise the local universe of **Nebadon**. This universe, together with similar creations, makes up the superuniverse of **Orvonton**, whose capital is **Uversa**. Orvonton is one of the seven evolutionary superuniverses of time and space which circle the never-beginning, never-ending creation of divine perfection -- the central universe of **Havona** -- in eternity! And at the heart of this eternal and central universe is the stationary **Isle of Paradise**, the geographic center of infinity and the eternal dwelling place of God-Himself.
The seven evolving superuniverses in time and space in association with the eternal central and divine universe, is commonly referred to as the grand universe; these are the now organized and inhabited creations. They are all a part of the master universe; which also embraces the uninhabited but mobilizing universes of outer space. And the total of all universes is referred the universe of universes.

PART II. CONTROL OF THE COSMOS

As mind (gravity) dominates matter (physical-energy gravity), so too does spirit (gravity) dominate and coordinate mind over matter. And it is the gravity of personality that gives to this ‘action’ a unique expression through almost an infinity of creation.

So as it is, with all us human beings: as uniquely willed by your human personality, as is revealed by your moral ‘gut’ feeling/vision spirit leadings, and as expressed by your human mind, of which you are its human consciousness, you are enabled to dominate and control the physical-energy actions of your human body; so too is it that as uniquely willed by the absolute personality (gravity) of all
infinity, as revealed by the absolute spirit (gravity) of all the cosmos, and as expressed through the absolute mind gravity of all creation, is God too enabled to dominate and control the absolute physical-energy of all infinity.

1. Universal Gravity

All forms of force-energy – material, mindal, or spiritual are alike subject to those grasps, those universal presences, which we call gravity. Personality is also is responsive to gravity – to the Father’s exclusive circuit; but though this circuit is exclusive to the Father, he is not excluded from the other circuits; the Universal Father is infinite and acts over all four absolute-gravity circuits in the master universe:
1. The Personality Gravity of the Universal Father.
2. The Spirit Gravity of the Eternal Son
3. The Mind Gravity of the Conjoint Actor.
4. The Cosmic Gravity of the Isle of Paradise.

Matter, Mind, and Spirit Bestowers

The bestowal of cosmic force, the domain of physical gravity, is the function of the
Isle of Paradise. "God is spirit," but Paradise, the dwelling place of his home, is not. All original force-energy proceeds from Paradise, and the matter for the making of untold universes now circulates throughout the total of all creation in the form of a super-gravity presence which constitutes the force-charge of space. The material universe always is the arena wherein take place all spiritual activities; spirit beings live and work on physical spheres of material reality too!

Physical energy is the one reality which is true and steadfast in its obedience to universal law. Only in the realms of creature volition has there been deviation from the divine plans and the original plans. Power and energy are the universal evidences of the stability, constancy, and eternity of the central Isle of Paradise.

The bestowal of mind and the ministration of spirit are the work of the associate persons of God-Himself, the Infinite Spirit and the Eternal Son (not to be mistaken for Jesus of Nazareth, the Son of God). Total Deity reality is not mind but spirit-mind mindspirit unified by personality. Nevertheless, the absolutes of both the spirit and the thing (having mind) converge in the
The bestowal of spirit and the spiritualization of personalities, the domain of spiritual gravity, is the realm of the Eternal Son. And this spirit gravity of the Son, ever drawing all spiritual realities to himself, is just as real and absolute as is the all-powerful material grasp of the Isle of Paradise. What Paradise is to the physical creation, and what the Eternal Son is to the spiritual universe, the Infinite Spirit is to the realms of mind the intelligent universe of mortal, immortal, and spiritual beings and personalities; mind is the flexible reality which creatures and Creators can so readily manipulate; it is the vital link connecting matter and spirit.

The Infinite Spirit reacts to both material and spiritual realities and therefore inherently becomes the universal minister to all intelligent beings, beings who may represent a union of both the material and spiritual phases of creation. The endowment of intelligence, the ministry to the material and the spiritual in the phenomenon of mind, is the exclusive domain of the Infinite Spirit, who thus becomes the partner of the spiritual mind, the essence of the morontia (supermaterial/subspiritual) mind, and the
substance of the material mind of all evolutionary creatures of time to include all us human beings. Remember: mind, matter, and spirit are equally real, but they are not of equal value to personality in the attainment of divinity. Consciousness of divinity is a progressive spiritual experience.

As the mind of any personality in the universe becomes more spiritual Godlike it becomes less responsive to material gravity. Reality, measured by physical gravity response, is the antithesis of reality, as determined by quality of spirit content. Physical gravity action is a quantitative determiner of non-spirit energy; spiritual gravity action is the qualitative measure of the living energy of divinity.

PART III. GRAVITY AND MIND

1. Universal Gravity
2. The Personality-Gravity Circuit
3. The Spirit-Gravity Circuit
4. The Spirit Mind
5. The Mind-Gravity Circuit
1. Universal Gravity

All forms of force-energy material, mindal, or spiritual are alike subject to those grasps, those universal presences, which is called gravity. Personality also is responsive to gravity to God, the Father's exclusive personality circuit; but though this circuit is exclusive to the Father, he is not excluded from the other circuits material, mind, and spiritual. The Universal Father is infinite and acts over all four (total) absolute-gravity circuits in the total of all creation:

1. The Personality Gravity
2. The Spirit Gravity
3. The Mind Gravity
4. The Cosmic (matter-energy) Gravity.

Any and all things responding to the
personality-gravity circuit, is called personal. Any and all things responding to the spirit-gravity circuit, is called spirit. Any and all that responds to the mind gravity circuit, is called mind. Any and all that responds to the cosmic (material) -gravity circuit, centering in nether (lower) Paradise, is called matter-energy matter in all its metamorphic states. These four circuits are neither force, energy, nor power circuits. They are absolute presence circuits and like God are independent of time and space.

Much as the Father, the First Source and Center, draws all personality to himself, it is through his creator associates does he attract all spiritual reality, and exercise a drawing power on all mind; and through the lower Isle of Paradise, center all physical (energy-matter) material. Thus, it is the Second Source and Center, the Eternal Son (not to be confused with the Son of God, Jesus Christ), who operates directly upon the fundamental values of spirit existence, and the mind gravity of the Third Source and Center, the Infinite Spirit the Conjoint Actor unerringly clutches all vital meanings of intellectual existence.

And so, it is, as Paradise gravity grasps all the basic units of material existence, and
is circuited in lower Paradise, as all mind is circuited in the Conjoint Actor, and all spirit in the Eternal Son, so is all personality circuited in the personal presence of the Universal Father, and this circuit unerringly transmits the worship of all personalities to the Original and Eternal Personality – God Himself.

2. The Personality-Gravity Circuit

The personality circuit of the total of creation is centered in the person of God Himself, the Universal Father the First Source and Center of all creation; and the Paradise Father is therefore personally conscious of, and in personal touch with, all personalities of all levels of self-conscious existence yes, to include you! Through the personality circuit the Father is cognizant has personal knowledge -- of all the thoughts and acts of all the beings in the total of all creation. And this personality consciousness of all creation exists quite independent of the mission of the nucleus indwelling Spirit — the Thought Adjuster.

Selfhood of personality dignity, human or divine, immortal or potentially immortal (as we are), does not originate in either
spirit, mind, or matter; it is the bestowal of God Himself. Neither is the interaction of spirit, mind, and material gravity a prerequisite to the appearance of personality gravity. God's personality circuit may embrace a mind-material being who is unresponsive to spirit gravity, or it may include a mind-spirit being who is unresponsive to material gravity. The operation of personality gravity is always a volitional act of God by himself. No entity has personality unless they are endowed with it by God, who is spirit. The Father bestows personality by his personal free will. Personality is designed and bestowed by the Universal Father (only)!

Personality of our finite-creature variety is characterized by: **Subjective self-consciousness.** Objective response to the Father's personality circuit. While mind is energy associated in purely material beings and spirit associated in purely spiritual personalities, innumerable orders of personality, including ours, possess minds that are associated with both energy and spirit. The spiritual aspects of creature mind unfailingly respond to the spirit-gravity pull; the material features respond to the gravity urge of the material universe. Whereas the greater the spirit-energy divergence, the
greater the observable function of mind; the lesser the diversity of energy and spirit, the lesser the observable function of mind. Morontia is a term designating a vast level intervening between the material and spiritual. It may designate personal or impersonal realities, living or nonliving energies. The warp of morontia is spiritual; its woof is physical.

Personality is a level of deified reality and ranges from the mortal level of the higher mind activation of worship and wisdom up through the morontial and spiritual to the attainment of finality of personality status. On attained experiential levels of personality orders or values are associable and even cocreational. Even God and human beings can coexist in a unified personality.

The Universal Father is the secret of the reality of personality, the bestowal of personality, and the destiny of personality. The Eternal is the absolute personality, the secret of spiritual energy, morontia spirits, and perfected spirits. The Conjoint Actor is the spirit-mind personality, the source of intelligence, reason, and the universal mind. But the Isle of Paradise is nonpersonal and extraspiritual, being the essence of the universal body, the source and center of
physical matter, and the absolute master pattern of universal material reality. While metamorphic range of nonpersonal reality is definitely limited, the revelators of these eternal truths know of no limitations to the progressive evolution of personality realities.

Our Urantian human experience of these qualities of universal realities are manifest on the following levels:

1. **Body.** The material or physical organism of the human being. The living electro-chemical mechanism of animal nature and origin.

2. **Mind.** The thinking, perceiving, and feeling mechanism of human organism. The total conscious and unconscious experience. The intelligence associated with the emotional life reaching upward through worship and wisdom to the spirit level.

3. **Spirit.** The divine spirit that indwells the human mind the Thought Adjuster. This immortal spirit is prepersonal not a personality, though destined to become a part of the personality of the surviving mortal creature.

4. **Soul.** The soul of the human being is an experiential acquirement. As a mortal
creature chooses to "do the will of the Father in heaven, so the indwelling spirit becomes the father of a new reality in human experience. The mortal and material mind is the mother of this same emerging reality. The substance of this reality is thus neither material nor spiritual it is morontial. This is the emerging and immortal soul which is destined to survive mortal death and begin the Paradise ascension to God.

The personality of the mortal human is neither body, mind, nor spirit; neither is it soul. Personality is the one changeless reality in an otherwise ever-changing creature experience; and it unifies all other associated factors of individuality. The personality is the unique bestowal which the Universal Father makes upon the living and associated energies of matter, mind, and spirit, and which survives the survival of the morontial soul.

There are no personalities of "pure mind"; no entity has personality unless they are endowed with it by God who is spirit. Any mind entity that is not associated with either spiritual or physical energy is not a personality. But in the same sense that there are spirit personalities who have mind, there are mind personalities who have spirit.

As for us human beings, God lives in every one of us. We all have access to him.
This refers to the personality circuit, wherever, whenever, and however contacted or otherwise entails personal, self-conscious contact and communion with the Universal Father. God has reserved the prerogative of maintaining direct and parental contact with all personal beings through the personality circuit.

3. The Spirit–Gravity Circuit

As God Himself is the First Source and Center of all creation, his Eternal Son is the Second Source and Center. Everything taught concerning the immanence of God, his omnipresence, omnipotence, and omniscience, is equally true of the Son in the spiritual domain. The pure and universal spirit gravity of all creation, this exclusively spiritual circuit, leads directly back to the person of the Eternal Son. He presides over the control and operation of that ever-present and unerring spiritual grasp of all true spirit values. Thus, does the Eternal Son exercise absolute spiritual sovereignty. He literally holds all spirit realities and all spiritualized values, as it were, in the hollow of his hand. The control of universal spiritual gravity is universal spiritual sovereignty.
This gravity control of spiritual things operates independently of time and space; therefore, is spirit energy undiminished in transmission. Spirit gravity never suffers time delays, nor does it undergo space diminution. It does not decrease in accordance with the square of the distance of its transmission; the circuits of pure spirit power are not retarded by the mass of the material creation.

Spirit realities respond to the drawing power of the center of spiritual gravity in accordance with their qualitative value, their actual degree of spirit nature. Spirit substance (quality) is just as responsive to spirit gravity as the organized energy of physical matter (quantity) is responsive to physical gravity. Spiritual values and spirit forces are real. From the viewpoint of personality, spirit is the soul of creation; matter is the shadowy physical body. Every time a spiritual reality actualizes in creation, this change necessitates the immediate and instantaneous readjustment of spirit gravity.

Spirit gravity pull and response thereto operate not only on the universe as a whole but also even between individuals and groups of individuals. There is a spiritual
cohesiveness among the spiritual and spirititized personalities of any world, race, or nation, or believing group of individuals. There is a direct attractiveness of a spirit nature between spiritually minded persons of like tastes and longings. The term kindred spirits is not wholly a figure of speech.

The spirit-gravity circuit is the basic channel for transmitting the genuine prayers of the believing human heart from the level of human consciousness to the actual consciousness of Deity; it literally pulls the soul of the human being Paradiseward. That which represents true spiritual value in your petitions will be seized by the universal circuit of spirit gravity and will pass immediately and simultaneously to all divine personalities concerned. Each will occupy himself with that which belongs to his personal providence.

The discriminative operation of the spirit-gravity circuit might possibly be compared to the functions of the neural circuits in the material human body: Sensations travel inward over the neural paths; some are detained and responded to by the lower automatic spinal centers; others pass on to the less automatic but habit-trained centers of the lower brain, while the
most important and vital incoming messages flash by these subordinate centers and are immediately registered in the highest levels of human consciousness.

But how much more perfect is the superb technique of the spiritual world! If anything originates in your consciousness that is fraught with supreme spiritual value, when once you give it expression, no power in the universe can prevent its flashing directly to the Absolute Spirit Personality of all creation.

Conversely, if your supplications are purely material and wholly self-centered, there exists no plan whereby such unworthy prayers can find lodgment in the spirit circuit of the Eternal Son the Absolute Spirit Personality of all creation. The content of any petition which is not "spirit indited" can find no place in the universal spiritual circuit; such purely selfish and material requests fall dead; they do not ascend in the circuits of the true spirit values. Such words are as "sounding brass and a tinkling cymbal.

It is the motivating thought, the spiritual content, that validates the mortal supplication. Words are valueless.

4. Spirit Mind
Mortals perceive mind on the finite, cosmic, material, and personal levels. Humans also observe mind phenomena in living organisms functioning on the subpersonal (animal) level, but it is difficult for mortals to grasp the nature of mind when associated with supermaterial beings and as a part of exclusive spirit personalities. Mind must, however, be differently defined when it refers to the spirit level of existence, and when it is used to denote spirit functions of intelligence. That kind of mind which is directly allied with spirit is comparable neither to that mind which co-ordinates spirit and matter nor to that mind which is allied only with matter. The Eternal Son is spirit and has mind, but not a mind or a spirit which mortals can comprehend.

Spirit is ever conscious, minded, and possessed of varied phases of identity. Without mind in some phase there would be no spiritual consciousness in the fraternity of spirit beings. The equivalent of mind, the ability to know and be known, is indigenous to Deity. Deity may be personal, prepersonal, superpersonal, or impersonal, but Deity is never mindless, that is, never without the ability at least to communicate with similar entities, beings, or personalities.
The mind of the Eternal Son is like that of the Father but unlike any other mind in the universe, and with the mind of the Father, it is ancestor to the diverse and far-flung minds of the Infinite Spirit, the Conjoint Actor. And these minds of the Father and the Son, intellect which is ancestral to the absolute mind of the Third Source and Center, the Infinite Spirit, is perhaps best illustrated in the premind of a Thought Adjuster, for, though these Father fragments are entirely outside the mind circuits of the Conjoint Actor, they do have some form of premind; they know as they are known; they do enjoy the equivalent of human thinking.

The Eternal Son is wholly spiritual, we mortals are very nearly entirely material; therefore, much pertaining to the spirit personality of the Eternal Son will have to wait our attainment of spirit status following our completion of the morontia (immortal) ascension of our local universe career, which begins upon our resurrection from mortal death.

5. The Mind Gravity Circuit

The Third Source and Center, the Infinite Spirit, the Universal Intelligence,
is personally conscious of every mind, every intellect, in all creation, and he maintains a personal and perfect contact with all mortal, immortal, and spiritual creatures of mind endowment in the far-flung universes. All these activities of mind are grasped in the absolute mind-gravity circuit which focalizes in the Third Source and Center and is a part of the personal consciousness of the Infinite Spirit. As regards mind, he unqualifiedly dominates and controls the universal mind circuit. All true and genuine intellectual values, all divine thoughts and perfect ideas, are unerringly drawn into this absolute circuit of mind.

Mind gravity can operate independently of material and spiritual gravity, but wherever and whenever the latter two impinge, mind gravity always functions. When all three are associated, personality gravity may embrace the material creature; but irrespective of this, the endowment of mind even in Impersonal beings qualifies them to think and endows them with consciousness despite the total absence of personality.

Cosmic mind, the controlling mind of time operational in space, when not associated with either energy or spirit, is subject to the gravity demands of neither material nor
spiritual circuits. Pure mind is close of kin to infinite mind and is subject only to the universal grasp of the Conjoint Actor. And infinite mind (the theoretical coordinate of the absolutes of spirit and energy) is apparently a law in itself. And again, the greater the spirit-energy divergence, the greater the observable function of mind; the lesser the diversity of energy and spirit, the lesser the observable function of mind. Apparently, the maximum function of the cosmic mind is in time universes of space. Here mind seems to function in a mid-zone between energy and spirit, but this is not true of the higher (transcending time) levels of mind; and on Paradise, energy and spirit are essentially one!

6. Absolute Mind

The absolute mind is the mind of the Third Source and Center; it is the inseparable from the personality of God the Spirit, the Infinite Spirit. As the Absolute Mind, he is the source of the endowment of intellect throughout the universes. As the God of Action, he is the apparent ancestor of motion, change, and relationship.

Mind, in functioning beings, is not
separated from energy or spirit, or both. Mind is not inherent in energy; energy is receptive and responsive to mind; mind can be superimposed upon energy, but consciousness is not inherent in the purely material level. Mind does not have to be added to pure spirit, for spirit is innately conscious and identifying. Spirit is always intelligent, minded in some way. It may be this mind or that mind, it may be premind or supermind, even spirit mind, but it does the equivalent of thinking and knowing. The insight of spirit transcends, supervenes, and theoretically antedates the consciousness of mind.

The Conjoint Actor is absolute only in the domain of mind, in the realms of universal intelligence. The mind of the Third Source and Center is infinite; it utterly transcends the active and functioning mind circuits of the total of creation. The mind endowment of the seven superuniverses of time and space is derived from the Seven Master Spirits, the primary personalities of the Conjoint Actor. These Master Spirits distribute mind to time and space as the cosmic mind; and our local universe Nebadon is pervaded by the Nebadon variant of our seventh superuniverse, Orvonton, type of cosmic mind.

Infinite mind ignores time, ultimate
mind transcends time, . cosmic mind is conditioned by time. And so, with space: The Infinite Mind is independent of space, but as descent is made from the infinite to that of our lower human mind, intellect must increasingly reckon with the fact and limitations of space.

Cosmic force responds to mind even as cosmic mind responds to spirit. Spirit is divine purpose, and spirit mind is divine purpose in action. Energy is thing, mind is meaning, spirit is value. Even in time and space, mind establishes those relative relationships between energy and spirit which are suggestive of mutual kinship in eternity. Mind transmutes the values of spirit into meanings of intellect; volition has power to bring the meanings of mind to fruit in both the material and spiritual domains. The Paradise ascent involves a relative and differential growth in spirit, mind, and energy. The personality is the unifier of these components of experiential individuality.

7. Cosmic Mind

The infinite and universal mind is ministered in the universes of time and space
as the cosmic mind. The circuits of the cosmic mind influence the intellectual levels of all known existence. The fact of the cosmic mind explains the kinship of various types of human and superhuman minds. Not only are kindred spirits attracted to each other, but kindred minds are also very fraternal and inclined towards co-operation, the one with the other. Human minds are sometimes observed to be running in channels of astonishing similarity and inexplicable agreement.

There exists in all personality associations of the cosmic mind a quality which might be denominated the "reality response. It is this universal cosmic endowment of will creatures, such as ourselves, which saves us from becoming helpless victims of the implied a priori assumptions of science, philosophy, and religion. This reality sensitivity of the cosmic mind responds to certain phases of reality just as energy-material responds to gravity. It would be still more correct to say that these supermaterial realities so respond to the mind of the cosmos.

The cosmic mind unfailingly responds (recognizes response) on three levels of universe reality. These responses are self-evident to clear-reasoning and deep-thinking
minds. These levels of reality are:

1. Causation the reality domain of the physical senses, the scientific realms of logical uniformity, the differentiation of the factual and the non-factual, reflective conclusions based on cosmic response. This is the mathematical form of the cosmic discrimination.

2. Duty the reality domain of morals in the philosophic realm, the arena of reason, the recognition of relative right and wrong. This is the judicial form of the cosmic discrimination. reflective thinking. But it is sad to record that so few persons on our planet Urantia take delight in cultivating these qualities of courageous and independent cosmic thinking.

On our planet, these three insights of the cosmic mind constitute the a priori assumptions which make it possible for us to function as a rational and self-conscious personality in the realms of science, philosophy, and religion. Stated otherwise, the recognition of the reality of these three manifest ions of the Infinite is by a cosmic technique of self-revelation. Matter-energy is recognized by the mathematical Logic of the senses; mind-reason intuitively knows its
moral duty; spirit-faith (worship) is the religion of the reality of spiritual experience. These three basic factors in reflective thinking may be unified and coordinated in personality development, or they may become disproportionate and virtually unrelated in their respective functions. But when they become unified, they produce a strong character consisting in the correlation of a factual science, a moral philosophy, and a genuine religious experience. And it is these three cosmic intuitions that give objective validity, reality, to the human being's experience in and with things, meanings, and values.

It is the purpose of education to develop and sharpen these innate endowments of the human mind; of civilization to express them; of life experience to realize them; of religion to ennoble them; and of personality to unify them.

The finite universe of matter would eventually become uniform and deterministic but for the combined presence of mind and spirit. The influence of the cosmic mind constantly injects spontaneity into even the material worlds. Freedom or initiative in any realm of existence is directly proportional to the degree of spiritual influence and cosmic-
mind control; that is, in human experience, the degree of the actuality of doing "the Father's will." The source of the streams of universe life and of the cosmic mind must be above the levels of their manifestation. The human mind cannot be consistently explained in terms of the lower orders of existence. The human mind can be truly comprehended only by recognizing the reality of higher orders of thought and purposive will. The human being as a moral being is inexplicable unless the reality of the Universal Father is acknowledged. And so, when you once start out to find God, that is the conclusive proof that God has already found you.

**8. Ministry of Mind**

The Infinite Spirit, the Third Source and Center is infinite in mind. If the universe should grow to infinity, still his mind potential would be adequate to endow limitless numbers of creatures with suitable minds and other prerequisites of intellect.

In the domain of created mind, the Third Person, with his coordinate and subordinate associates, rules supreme. The realms of creature mind are of exclusive origin in the Third Source and Center; he is the bestower of
mind. Even the indwelling spirit Father fragments find it impossible to indwell the minds of mortals until the way has been properly prepared for us by the mind action and spiritual function of the Infinite Spirit.

The unique feature of mind is that it can be bestowed upon such a wide range of life. Through his creative and creature associates, the Third Source and Center ministers to all minds on all spheres. Everlasting ministry to mind is the essence of the Spirit's divine character. This desire to minister, this divine urge to service. The Spirit is love applied to the creature creation showing forth the combined mercy, patience, and everlasting affection of a divine parent towards the intelligent children of his co-operative devising and making.

The spirit personalities of the vast family of the Divine and Infinite Spirit are forever dedicated to the service of the ministry of the love of God and the mercy of the Son to all the intelligent creatures of the evolutionary worlds of time and space. These spirit beings constitute the living ladder whereby mortals climb from chaos to glory. And always is the direction of mind a ministry of mind spirit or mind energy personalities.
The reality of the Infinite Spirit, the Conjoint Actor, is the ancestor of the cosmic mind, and the mind of mortal beings is an individualized circuit, an impersonal portion, of that cosmic mind as it is bestowed in a local universe. Because the Third Person is the source of mind, do not presume to reckon that all phenomena of mind are divine. Human intellect is rooted in the material origin of the animal races. Universe intelligence is no more a true revelation of God who is mind than is physical nature a true revelation of the beauty and harmony of Paradise. Perfection is in nature, but nature is not perfect. The Conjoint Creator, the Infinite Spirit, is the source of mind, but mind is not the 'Conjoint Creator.

The Third Source and Center assists in the maintenance of the equilibrium and coordination of the combined physical and spiritual energies and organizations by the absoluteness of his grasp of the cosmic mind and by the exercise of his inherent and universal physical- and spiritual-gravity complements. Whenever and wherever there occurs a liaison between the material and the spiritual, such a mind phenomena is an act of the Infinite Spirit. Mind alone can interassociate the physical forces and
energies of the material level with the spiritual powers and beings of the spirit level.

So, in all your contemplation of universal phenomena, make certain that you take into consideration the interrelation of physical, intellectual, and spiritual energies, and that due allowance is made for the unexpected phenomena attendant upon their unification by personality.

The eternal quest is for unification, for divine coherence. The far-flung physical universe coheres in the Isle of Paradise; the intellectual universe coheres in the God of Mind, the Third Source and Center, the Infinite Spirit; the spiritual universe is coherent in the personality of the Second Source and Center, the Eternal Son. But all of us isolated mortals of time and space cohere in God the Father, the First Source and Center, through the direct relationship between the indwelling Thought Adjuster and the Universal Father. Your Adjuster now indwelling your mind is a fragment of God and everlastingly seeks for divine unification; it coheres with, and in, the Paradise Deity of the First Source and Center God Himself!

9. Human Mind
Material evolution has provided you a life machine, your human body. God has endowed you with the purest spirit reality known in the total of all creation, your indwelling spirit the Thought Adjuster. But into your hands, subject to your own decisions, has been given mind, and it is by mind that you live or die. Mortal mind is a temporary intellect system loaned to human beings for use during this, our material (mortal) lifetime, and as you use this mind, you are either accepting or rejecting the potential of your eternal existence. For it is within mind and with mind that you make those moral decisions which enable you to achieve your indwelling spirit's likeness, and that is Godlikeness.

Mind is the indispensable channel of communication between spiritual and material realities. We human beings, being material evolutionary creatures, can thus conceive and comprehend the indwelling spirit only by the ministry of mind. Mind is a phenomenon connoting the presence-activity of living ministry, in addition to varied energy systems; and this is true on all levels of intelligence.

Throughout the mind functions of cosmic
intelligence, the totality of mind is dominant over the parts of intellectual function. Mind, in its essence, is functional unity; therefore, does mind never fail to manifest this constitutive unity, even when hampered and hindered by the unwise actions and choices of a misguided self. And this unity of mind invariably seeks for spirit co-ordination on all levels of its association with selves of will dignity and ascension prerogatives, such as ourselves. In personality, mind ever intervenes between spirit and matter; therefore, is the universe illuminated by three kinds of light: material Light, intellectual insight, and spirit luminosity. The ability to learn, memory and differential response to environment, is the endowment of mind. The reserve powers of human nature are stored and conserved in the unconscious realms of the human mind. But the human mind is not an organic part of the human body. It exists not within the confines of a single physical organ. But the physical brain with its associated nervous system possesses innate capacity for response to mind ministry.

The human mind may perform in response to so-called inspiration when it is sensitive either to the uprisings of the subconscious or to the stimulus of the superconscious. In
either case it appears to the individual that such augmentations of the content of consciousness are more or less foreign. Too often, all too often, we mar our minds by insincerity and sear them with unrighteousness; we subject them to animal fear and distort them by useless anxiety. Therefore, though the source of mind is divine, mind as we know it on our world can hardly become the object of great admiration, much less of adoration or worship. The contemplation of the immature and inactive human intellect should lead only to reactions of humility.

Mind, on our planet Urantia, is a compromise between the essence of thought perfection and the evolving mentality of our immature human nature. The plan for our intellectual evolution is, indeed, one of sublime perfection, but we are far short of that divine goal as we function here in the tabernacles of our flesh. Mind is truly of divine origin, and it does have a divine destiny, but our mortal minds are not yet of divine dignity.

10. Human Paradox
Many of the temporal troubles of mortals grow out of our twofold relation to the cosmos. We are a part of nature we exist in nature and yet we are able to transcend nature. Our ability to transcend ourselves is the one thing which distinguishes us from the animal kingdom. Mortals are finite, but we are indwelt by a spark of infinity. Such a dual situation not only provides the potential for evil but also engenders many social and moral situations fraught with much uncertainty and not a little anxiety.

The courage required to affect the conquest of nature and to transcend one's self is a courage that might succumb to the temptations of self-pride. The mortal who can transcend self might yield to the temptation to deify their own self-consciousness. The mortal dilemma consists in the double fact that we are in bondage to nature while at the same time we possess a unique liberty freedom of spiritual choice and action. On material levels, we mortals find ourselves subservient to nature, while on spiritual levels we are able to triumphant over nature and over all things temporal and finite. Such a paradox is inseparable from temptation, potential evil, decisional errors, and when self becomes proud
and arrogant, sin may evolve.

The problem of sin is not self-existent in our finite world. The fact of finiteness is not evil or sinful. The finite world was made by an infinite Creator it is the handiwork of his divine Sons and therefore it must be good. It is the misuse, distortion, and perversion of the finite that gives origin to evil and sin.

11. Universe Mechanisms

In the evaluation and recognition of mind it should be remembered that the universe is neither mechanical nor magical; it is a creation of mind and a mechanism of law. But while in practical application the laws of nature operate in what seems to be the dual realms of the physical and the spiritual, in reality they are one.

The First Source and Center is the primal cause of all materialization and at the same time the first and final Father of all spirits. The Paradise Father appears personally in the universes of time and space only as pure energy and pure spirit as the Thought Adjusters and other similar fragmentations.
Mechanisms do not absolutely dominate the total creation; total creation in toto is mind planned, mind made, and mind administered. But the divine mechanism of total creation is altogether too perfect for the scientific methods of the finite mind of humans to discern even a trace of the dominance of the infinite mind. For this creating, controlling, and upholding mind is neither material mind nor creature mind; it is spirit-mind functioning on and from creator levels of divine reality.

The ability to discern and discover mind in universe mechanisms depends entirely on the ability, scope, and capacity of the investigating mind engaged in such a task of observation. Time-space minds, organized out of the energies of time and space, are subject to the mechanisms of time and space.

Motion and universe gravitation are twin facets of the impersonal time-space mechanism of total creation. The levels of gravity response for spirit, mind, and matter are quite independent of time, but only true spirit levels of reality are independent of space (nonspatial). The higher mind levels of the universe the spiritmind levels may also be nonspatial, but the levels of material mind, such as human minds, are responsive to the
interactions of universe gravitation, losing this response only in proportion to spirit identification. Spirit-reality levels are recognized by their spirit content, and spirituality in time and space is measured inversely to the linear-gravity response.

Linear-gravity response is a quantitative measure of nonspirit energy. All mass organized energy is subject to this grasp except as motion and mind act upon it. Linear gravity is the shortrange cohesive force of the macrocosmos somewhat as the forces of the intra-atomic cohesion are the short-range forces of the microcosmos. Physical materialized energy, organized as so-called matter, cannot traverse space without affecting linear-gravity response. Although such gravity response is directly proportional to mass, it is so modified by intervening space that the final result is (no more than roughly approximated when expressed as inversely according to the square of the distance. Space eventually conquers linear gravitation because of the presence therein of the anti-gravity influences of numerous supermaterial forces which operate to neutralize gravity action and all responses thereto.

Extremely complex and highly automatic-
appearing cosmic mechanisms always tend to conceal the presence of the originative or creative indwelling mind from any and all intelligences very far below the universe levels of the nature and capacity of the mechanism itself. Therefore, is it inevitable that the higher universe mechanisms must appear to be mindless to the lower orders of creatures. The only possible exception to such a conclusion would be the implication of mindedness in the amazing phenomenon of an apparently self-maintaining universe but that is a matter of philosophy rather than one of actual experience.

Since mind co-ordinates the universe, fixity of mechanisms is nonexistent. The phenomenon of progressive evolution associated with cosmic self-maintenance is universal. The evolutionary capacity of the universe is inexhaustible in the infinity of spontaneity. Progress towards harmonious unity, a growing experiential synthesis superimposed on an ever-increasing complexity of relationship, could be effected only by a purposive and dominant mind, the mind of God.

The higher the universe mind associated with any universe phenomenon, the more difficult it is for the lower types to discover it. And since the mind of the
universe mechanism is creative spiritmind (even the mindedness of God Himself) it can never be discovered or discerned by the lower-level minds of the universe, much less by the lowest mind of all, our human minds.

Thus, our evolving animal/human mind, while naturally God-seeking, is not alone and of itself inherently God-knowing.

PART IV: Energy -- Mind and Matter

The foundation of the universe is material in the sense that energy is the basis of all existence, and pure energy is controlled by the Universal Father. Force, energy, is the one thing which stands as an everlasting monument demonstrating and proving the existence and presence of the Universal Absolute. This vast stream of energy proceeding from the Paradise Presences has never lapsed, never failed; there has never been a break in the infinite upholding. The manipulation of universe energy is ever in accordance with the personal will and the all-wise mandates of the Universal Father. This personal control of manifested power and
circulating energy is modified by the co-ordinate acts and decisions of the Eternal Son, as well as by the united purposes of the Son the Father executed by the Conjoint Actor. These divine beings act personally and as individuals; they also function in the persons and powers of an almost unlimited number of subordinates, each variously expressive of the eternal and divine purpose in the universe of universes. But these functional and provisional modifications or transmutations of divine power in no way lessen the truth of the statement that all force-energy is under the ultimate control of a personal God resident at the center of all things.

1. Paradise Forces and Energies

The foundation of the universe is material, but the essence of life is spirit. The Father of spirits is also the ancestor of universes, the eternal Father of the Original Son is also the eternity-source of the original pattern, the Isle of Paradise.

Matter energy – for they are but diverse manifestations of the same cosmic reality, as a universe
phenomenon is inherent in the Universal Father. “In him all things consist.” Matter may appear to manifest inherent energy and to exhibit self-contained powers, but the lines of gravity involved in the energies concerned in all these physical phenomena are derived from, and are dependent on, Paradise. The ultimaton, the first measurable form of energy, has Paradise as its nucleus.

There is innate in matter and present in universal space a form of energy not known on our planet Urantia. When this discovery is finally made, then will our physicists feel that they have solved, almost at least, the mystery of matter. And so will they have approached one step nearer the Creator; so will they have mastered one more phase of the divine technique; but in no sense will they have found God, neither will they have established the existence of matter or the operation of natural laws apart from the cosmic technique of Paradise and the motivating purpose of the Universal Father.

Subsequent to even still greater progress and further discoveries, after our planet Urantia has advance immeasurably in comparison with present knowledge, though we should gain control of the energy revolutions of the electrical units of matter to the extent of modifying their
physical manifestations even after all such possible progress, forever will scientists be powerless to create one atom of matter or to originate one flash of energy or ever to add to matter that which we call life.

The creation of energy and the bestowal of life are the prerogatives of the Universal Father and his associate Creator personalities. The river of energy and life is a continuous outpouring from the Deities, the universal and united stream of Paradise force going forth to all space. The divine energy pervades all creation. The force organizers initiate those changes and institute those modifications of space-force which eventuate in energy; the power directors transmute energy into matter; thus the material worlds are born. The Life Carriers of the local universes initiate those processes in dead matter which we call life, material life. The Morontia Power Supervisors likewise perform throughout the transition realms between the material and the spiritual worlds.

The higher spirit Creators inaugurate similar processes in divine forms of energy, and there ensue the higher spirit forms of intelligent life.

Energy proceeds from Paradise, fashioned after the divine order. Energy -- pure energy
-- partakes of the nature of the divine organization; it is fashioned after the similitude of the three Gods embraced in one, as they function at the headquarters of the universe of universes. And all force is circuited in Paradise, comes from the Paradise Presences and returns thereto, and is in essence a manifestation of the uncaused Cause the Universal Father; and without the Father would not anything exist that does exist.

Force derived from self-existent Deity is in itself ever existent. Force-energy is imperishable, indestructible; these manifestations of the Infinite may be subject to unlimited transmutation, endless transformation, and eternal metamorphosis; but in no sense or degree, not even to the slightest imaginable extent, could they or ever shall they suffer extinction. But energy, though springing from the Infinite, is not infinitely manifest; there are outer limits to the presently conceived master universe.

Energy is eternal but not infinite; it ever responds to the all-embracing grasp of Infinity. Forever force and energy go on; having gone out from Paradise, they must return thereto, even if age upon age be required for the completion of the ordained circuit. That
which is of Paradise Deity origin can have only a Paradise destination or a Deity destiny.

And all this confirms the revelators' belief in a circular, somewhat limited, but orderly and far-flung universe of universes. If this were not true, then evidence of energy depletion at some point would sooner or later appear. All laws, organizations, administration, and the testimony of universe explorers -- everything points to the existence of an infinite God but, as yet, a finite universe, a circularity of endless existence, well-nigh limitless but, nevertheless, finite in contrast with infinity.

2. Universal Nonspiritual Energy Systems (Physical Energies)

The revelators conclude it is indeed difficult to find suitable words in the English language whereby to designate and wherewith to describe the various levels of force and energy -- physical, mindal, or spiritual. These narratives cannot altogether follow our accepted definitions of force, energy, and power. There is such paucity of language that they must use these terms in multiple meanings. In this presentation, for example, the word
energy is used to denote all phases and forms of phenomenal motion, action, and potential, while force is applied to the pre-gravity, and power to the post-gravity, stages of energy.

The revelators did, however, endeavor to lessen conceptual confusion by suggesting the advisability of adopting the following classification for cosmic force, emergent energy, and universe power -- physical energy:

1. **Space potency.** This is the unquestioned free space presence of the Unqualified Absolute. The extension of this concept connotes the universe force- space potential inherent in the functional totality of the Unqualified Absolute, while the intension of this concept implies the totality of cosmic reality -- universes which emanate eternitywise from the never-beginning, never-ending, never-moving, never-changing Isle of Paradise.

The phenomena indigenous to the nether side of Paradise probably embrace three zones of absolute force presence and performance: the fulcral zone of the Unqualified Absolute, the zone of the Isle of Paradise itself, and the intervening zone of certain unidentified equalizing and compensating agencies or functions. These tri-concentric zones are the
centrum of the Paradise cycle of cosmic reality.

Space potency is a pre-reality; it is the domain of the Unqualified Absolute and is responsive only to the personal grasp of the Universal Father, notwithstanding that it is seemingly modifiable by the presence of the Primary Master Force Organizers. On Uversa, the capital of our 7th Superuniverse Orvonton, space potency is spoken of as absoluta.

2. Primordial force. This represents the first basic change in space potency and may be one of the nether Paradise functions of the Unqualified Absolute. The revelators know that the space presence going out from nether Paradise is modified in some manner from that which is incoming. But regardless of any such possible relationships, the openly recognized transmutation of space potency into primordial force is the primary differentiating function of the tension-presence of the living Paradise force organizers.

Passive and potential force becomes active and primordial in response to the resistance afforded by the space presence of the Primary Eventuated Master
Force Organizers. Force is now emerging from the exclusive domain of the Unqualified Absolute into the realms of multiple response — response to certain primal motions initiated by the God of Action and thereupon to certain compensating motions emanating from the Universal Absolute. Primordial force is seemingly reactive to transcendental causation in proportion to absoluteness.

Primordial force is sometimes spoken of as pure energy; on Uversa it is referred to as segregata.

3. Emergent energies. The passive presence of the primary force organizers is sufficient to transform space potency into primordial force, and it is upon such an activated space field that these same force organizers begin their initial and active operations. Primordial force is destined to pass through two distinct phases of transmutation in the realms of energy
manifestation before appearing as universe power. These two levels of emerging energy are:

a. **Puissant energy.** This is the powerful-directional, mass-movemented, mighty-tensioned, and forcible-reacting energy -- gigantic energy systems set in motion by the activities of the primary force organizers. This primary or puissant energy is not at first definitely responsive to the Paradise-gravity pull though probably yielding an aggregate-mass or space-directional response to the collective group of absolute influences operative from the nether side of Paradise. When energy emerges to the level of initial response to the circular and absolute-gravity grasp of Paradise, the primary force organizers give way to the functioning of their secondary associates.

b. **Gravity energy.** The now-appearing gravity-responding energy carries the potential of universe power and becomes the active ancestor of all universe matter. This secondary or gravity energy is the product of the energy elaboration resulting from the
pressure-presence and the tension-trends set up by the Associate Transcendental Master Force Organizers.

In response to the work of these force manipulators, space-energy rapidly passes from the puissant to the gravity stage, thus becoming directly responsive to the circular grasp of Paradise (absolute) gravity while-disclosing a certain potential for sensitivity to the linear-gravity pull inherent in the soon appearing material mass of the electronic and the post electronic stages of energy and matter. Upon the appearance of gravity response, the Associate Master Force Organizers may retire from the energy cyclones of space provided the Universe Power Directors are assignable to that field of action.

The revelators are quite uncertain regarding the exact causes of the early stages of force evolution, but they recognize the intelligent action of the Ultimate in both levels of emergent-energy manifestation. Puissant and gravity energies, when regarded collectively are spoke of on Uversa as ultimata.
4. Universe Power. Space-force has been changed into space-energy and thence into the energy of gravity control. Thus has physical energy been ripened to that point where it can be directed into channels of power and made to serve the manifold purposes of the universe Creators. This work is carried on by the versatile directors, centers, and controllers of physical energy in the grand universe the organized and inhabited creations. These Universe Power Directors assume the more or less complete control of twenty-one of the thirty phases of energy constituting the present energy system of the seven superuniverses. This domain of power-energy-matter is the realm of the intelligent activities of the Sevenfold, functioning under the time-space overcontrol of the Supreme.

On Uversa the realm of universe power is referred to as gravita.

5. Havona energy. In concept this narrative has been moving Paradiseward as transmuting space-force has been followed, level by level, to the working level of the energy-power of the universes of time and space. Continuing Paradiseward, there is next encountered a pre-existent phase of energy which is characteristic of the central universe. Here
the evolutionary cycle seems to turn back upon itself; energy-power now seems to begin to swing back towards force, but force of a nature very unlike that of space potency and primordial force. Havona energy systems are not dual; they are triune. This is the existential energy domain of the Conjoint Actor, functioning in behalf of the Paradise Trinity.

On Uversa these energies of Havona are known as triata.

6. Transcendental energy. This energy system operates on and from the upper level of Paradise and only in connection with the absonite peoples. On Uversa it is denominated tranosta.

7. Monota. Energy is close of kin to divinity when it is Paradise energy. The revelators incline to the belief that monota is the living, nonspirit energy of Paradise an eternity counterpart of the living, spirit energy of the Original Son, hence the nonspiritual energy system of the Universal Father.

The revelators cannot differentiate the nature of Paradise spirit and Paradise monota; they conclude they are apparently alike. They
have different names, but they note that we can hardly be told very much about a reality whose spiritual and whose nonspiritual manifestations are distinguishable only by name.

The revelators know that finite creatures such as ourselves can attain the worship experience of the Universal Father through the ministry of God the Sevenfold and the Thought Adjusters, but they doubt that any subabsolute personality, even power directors, can comprehend the energy infinity of the First Great Source and Center. One thing is certain: If the power directors are conversant with the technique of the metamorphosis of space-force, they do not reveal the secret to the rest of the revelators. It is their opinion that they do not fully comprehend the function of the force organizers.

These power directors themselves are energy catalyzers; that is, they cause energy to segment, organize, or assemble in unit formation by their presence. And all this implies that there must be something inherent in energy which causes it thus to function in the presence of these power entities. The Nebadon Melchizedeks long since denominated
the phenomenon of the transmutation of cosmic force into universe power as one of the seven “infinities of divinity.” And that is as far as we will advance on this point during our local universe ascension.

Notwithstanding the revelators' inability fully to comprehend the origin, nature, and transmutations of cosmic force, they are fully conversant with all phases of emergent-energy behavior from the times of its direct and unmistakable response to the action of Paradise gravity -- about the time of the beginning of the function of the superuniverse power directors.

3. Classification of Matter

Matter in all universes, excepting in the central universe, is identical. Matter in its physical properties depends on the revolutionary rates of its component members, the number and size of the revolving members, their distance from the nuclear body or the space content of matter, as well as on the presence of certain forces as yet undiscovered on our planet Urantia.

In the varied suns, planets, and space bodies there are ten divisions of matter:
1. Ultimatonic matter -- the prime physical units of material existence, the energy particles which go to make up electrons.

2. Sub-electronic matter -- the explosive and repellent stage of the solar super-gases.

3. Electronic matter -- the electrical stage of material differentiation -- electrons, protons, and various other units entering into the varied constitution of the electronic groups.

4. Subatomic matter -- matter existing extensively in the interior of the hot suns.

5. Shattered atoms -- found in the cooling suns and throughout space.

6. Ionized matter -- individual atoms stripped of their outer (chemically active) electrons by electrical, thermal, or X-ray activities and by solvents.

7. Atomic matter -- the chemical stage of elemental organization, the component units of molecular or visible matter.

8. The molecular stage of matter -- matter as it exists on Urantia in a state of relatively stable materialization under ordinary conditions.

9. Radioactive matter -- the disorganizing
tendency and activity of the heavier elements under conditions of moderate heat and diminished gravity pressure.

10. Collapsed matter -- the relatively stationary matter found in the interior of the cold or dead suns. This form of matter is not really stationary; there is still some ultimatonic even electronic activity, but these units are in very close proximity, and their rates of revolution are greatly diminished.

The foregoing classification of matter pertains to its organization rather than to the forms of its appearance to created beings. Neither does it take into account the pre-emergent stages of energy nor the eternal materialization on Paradise and in the central universe.

4. Energy and Matter Transmutations

Light, heat, electricity, magnetism, chemism, energy, and matter are in origin, nature, and destiny one and the same thing, together with other material realities as yet undiscovered on our planet Urantia.
The revelators do not fully comprehend the almost endless changes to which physical energy may be subject. In one universe it appears as light, in another as light plus heat, in another, as forms of energy unknown on Urantia; in untold millions of years it may reappear as some form of restless, surging electrical energy or magnetic power; and still later on it may again appear in a subsequent universe as some form of variable matter going through a series of metamorphoses, to be followed by its outward physical disappearance in some great cataclysm of the realms. A.7d then, after countless ages and almost endless wandering through numberless universes, again may this same energy re-emerge and many times change its form and potential; and so do these transformations continue through successive ages and throughout countless realms. Thus, matter sweeps on, undergoing the transmutations of time but swinging ever true to the circle of eternity; even if long prevented from returning to its source, it is ever responsive thereto, and it ever proceeds in the path ordained by the Infinite Personality who sent it forth.

The power centers and their associates are much concerned in the work of transmuting the ultimaton into the circuits and revolutions of
the electron. These unique beings control and compound power by their skillful manipulation of the basic units of materialized energy, the ultimatons. They are masters of energy as it circulates in this primitive state. In liaison with the physical controllers they are able to effectively control and direct energy even after it has transmuted to the electrical level, the so-called electronic stage. But their range of action is enormously curtailed when electronically organized energy swings into the whirls of the atomic systems. Upon such materialization these energies fall under the complete grasp of the drawing power of linear gravity.

Gravity acts positively on the power lanes and energy channels of the power centers and the physical controllers, but these beings have only a negative relation to gravity -- the exercise of their antigravity endowments.

Throughout all space, cold and other influences are at work creatively organizing ultimatons into electrons. Heat is the measurement of electronic activity, while cold merely signifies absence of heat -- comparative energy rest -- the status of the universal force-charge of space provided neither emergent energy nor organized matter were present and
responding to gravity.

Gravity presence and action is what prevents the appearance of the theoretical absolute zero, for interstellar space does not have the temperature of absolute zero. Throughout all organized space there are gravity-responding energy currents, power circuits, and ultimatonic activities, as well as organizing electronic energies. Practically speaking, space is not empty. Even the atmosphere of our planet Urantia thins out increasingly until at about three thousand miles it begins to shade off into the average space matter in this section of the universe. The most nearly empty space known in Nebadon would yield about one hundred ultimatons -- the equivalent of one electron -- in each cubic inch. Such

Temperature -- heat and cold -- is secondary only to gravity in the realms of energy and matter evolution. Ultimatons are humbly obedient to temperature extremes. Low temperatures favor certain forms of electronic construction and atomic assembly, while high temperatures facilitate all sorts of atomic breakup and material disintegration.

When subjected to the heat and pressure of certain internal solar states, all but the most primitive associations of matter may be broken up. Heat can thus largely overcome
gravity stability. But no known solar heat or pressure can convert ultimatons back into puissant energy.

The blazing suns can transform matter into various forms of energy, but the dark worlds and all outer space can slow down electronic and ultimatonic activity to the point of converting these energies into the matter of the realms. Certain electronic associations of a close nature, as well as many of the basic associations of nuclear matter, are formed in the exceedingly low temperatures of open space, being later augmented by association with larger accretions of materializing energy.

Throughout all of this never-ending metamorphosis of energy and matter the revelators must reckon with the influence of gravity pressure and with the antigravity behavior of the ultimatonic energies under certain conditions of temperature, velocity, and revolution. Temperature, energy currents, distance, and the presence of the living force organizers and the power directors also have a bearing on all transmutation phenomena of energy and matter.

The increase of mass in matter is equal to the increase of energy divided by the square
of the velocity of light. In a dynamic sense the work which resting matter can perform is equal to the energy expended in bringing its parts together from Paradise minus the resistance of the forces overcome in transit and the attraction exerted by the parts of matter on one another.

The existence of pre-electronic forms of matter is indicated by the two atomic weights of lead. The lead of original formation weighs slightly more than that produced through uranium disintegration by way of radium emanations; and this difference in atomic weight represents the actual loss of energy in the atomic breakup.

The relative integrity of matter is assured by the fact that energy can be absorbed or released only in those exact amounts which our Urantia scientists have designated quanta. This wise provision in the material realms serves to maintain the universes as going concerns.

The quantity of energy taken in or given out when electronic or other positions are shifted is always a "quantum" or some multiple thereof, but the vibratory or wavelike behavior of such units of energy is wholly determined by
the dimensions of the material structures concerned. Such wavelike energy ripples are 860 times the diameters of the ultimatons, electrons, atoms, or other units thus performing. The never-ending confusion attending the observation of the wave mechanics of quantum behavior is due to the superimposition of energy waves: Two crests can combine to make a double-height crest, while a crest and a trough may combine, thus producing mutual cancellation.

5. Wave-Energy Manifestations

In the superuniverse of Orvonton there are one hundred octaves of wave energy. Of these one hundred groups of energy manifestations, sixty-four are wholly or partially recognized on our planet Urantia. The sun's rays constitute four octaves in the superuniverse scale, the visible rays embracing a single octave, number forty-six in this series. The ultraviolet group comes next, while ten octaves up are the X rays, followed by the gamma rays of radium. Thirty-two octaves above the visible light of the sun are the outer-space energy rays so frequently commingled with their associated highly
energized minute particles of matter. Next downward from visible sunlight appear the infrared rays, and thirty octaves below are the radio transmission group.

Wavelike energy manifestations -- from the standpoint of twentieth century Urantia scientific enlightenment -- may be classified into the following ten groups:

1. **Infra-ultimatonic rays** -- the borderland revolutions of ultimatons as they begin to assume definite form. This is the first stage of emergent energy in which wavelike phenomena can be detected and measured.

2. **Ultimatonic rays.** The assembly of energy into the minute spheres of the ultimatons occasions vibrations in the content of space which are discernible and measurable. And long before physicists ever discover the ultimaton, they will undoubtedly detect the phenomena of these rays as they shower in upon Urantia. These short and powerful rays represent the initial activity of the ultimatons as they are slowed down to that point where they veer towards the electronic organization of matter. As the ultimatons aggregate into electrons, condensation occurs with a consequent storage
of energy.

3. The short space rays. These are the shortest of all purely electronic vibrations and represent the preatomic stage of this form of matter. These rays require extraordinarily high or low temperatures for their production. There are two sorts of these space rays: one attendant upon the birth of atoms and the other indicative of atomic disruption. They emanate in the largest quantities from the densest plane of the superuniverse, the Milky Way, which is also the densest plane of the outer universes.

4. The electronic stage. This stage of energy is the basis of all materialization in the seven superuniverses. When electrons pass from higher to lower energy levels of orbital revolution, quanta are always given off. Orbital shifting of electrons results in the ejection or the absorption of very definite and uniform measurable particles of light-energy, while the individual electron always gives up a particle of light-energy when subjected to collision. Wavelike energy manifestations also attend upon the performances of the positive bodies and the other members of the electronic stage.
5. **Gamma rays**—those dissociation of atomic matter. Emanations which characterize the spontaneous. The best illustration of this form of electronic activity is in the phenomena

6. **The X-ray group.** The next step in the slowing down of the electron yields the various forms of solar X rays together with artificially generated X rays. The electronic charge creates an electric field; movement gives rise to an electric current; the current produces a magnetic field. When an electron is suddenly stopped, the resultant electromagnetic commotion produces the X ray; the X ray is *that* disturbance. The solar X rays are identical with those which are mechanically generated for exploring the interior of the human body except that they are a trifle longer.

7. **The ultraviolet** or chemical rays of sunlight and the various mechanical productions.

8. **The white light** -- the whole visible light of the suns.

9. **Infrared rays** -- the slowing down of electronic activity still nearer the stage of
appreciable heat.

10. **Hertizian waves** those energies utilized on Urantia for broadcasting.

Of all these ten phases of wavelike energy activity, the human eye can react to just one octave, the whole light of ordinary sunlight.

The so-called ether is merely a collective name to designate a group of force and energy activities occurring in space. Ultimatons, electrons, and other mass aggregations of energy are uniform particles of matter, and in their transit through space they really proceed in direct lines. Light and all other forms of recognizable energy manifestations consist of a succession of definite energy particles which proceed in direct lines except as modified by gravity and other intervening forces. That these processions of energy particles appear as wave phenomena when subjected to certain observations is due to the resistance of the undifferentiated force blanket of all space, the hypothetical ether, and to the intergravity tension of the associated aggregations of matter. The spacing of the particle-
intervals of matter, together with the initial velocity of the energy beams, establishes the undulatory appearance of many forms of energy-matter.

The excitation of the content of space produces a wavelike reaction to the passage of rapidly moving particles of matter, just as the passage of a ship through water initiates waves of varying amplitude and interval.

Primordial-force behavior does give rise to phenomena which are in many ways analogous to our postulated ether. Space is not empty; the spheres of all space whirl and plunge on through a vast ocean of outspread force-energy; neither is the space content of an atom empty. Nevertheless, there is no ether, and the very absence of this hypothetical ether enables the inhabited planet to escape falling into the sun and the encircling electron to resist falling into the nucleus.

6. Ultimatons, Electrons, and Atoms

While the space charge of universal force is homogeneous and undifferentiated, the organization of evolved energy into matter entails the concentration of energy into
discrete masses of definite dimensions and established weight -- precise gravity reaction.

Local or linear gravity becomes fully operative with the appearance of the atomic organization of matter. Preatomic matter becomes slightly gravity responsive when activated by X ray and other similar energies, but no measurable linear-gravity pull is exerted on free, unattached, and uncharged electronic-energy particles or on unassociated ultimatons.

Ultimatons function by mutual attraction, responding only to the circular Paradise-gravity pull. Without linear-gravity response they are thus held in the universal space drift. Ultimatons are capable of accelerating revolutionary velocity to the point of partial antigravity behavior, but they cannot, independent of force organizers or power directors, attain the critical escape velocity of deindividuation, return to the puissant-energy stage. In nature, ultimatons escape the status of physical existence only when participating in the terminal disruption of a cooled-off and dying sun.

The ultimatons, unknown on Urantia, slow
down through many phases of physical activity before they attain the revolutionary-energy prerequisites to electronic organization. Ultimatons have three varieties of motion: mutual resistance to cosmic force, individual revolutions of antigravity potential, and the intra-electronic positions of the one hundred mutually interassociated ultimatons.

Mutual attraction holds one hundred ultimatons together in the constitution of the electron; and there are never more nor less than one hundred ultimatons in a typical electron. The loss of one or more ultimatons destroys typical electronic identity, thus bringing into existence one of the ten modified forms of the electron.

Ultimatons do not describe orbits or whirl about in circuits within the electrons, but they do spread or cluster in accordance with their axial revolutionary velocities, thus determining the differential electronic dimensions. This same ultimatonic velocity of axial revolution also determines the negative or positive reactions of the several types of electronic units. The entire segregation and grouping of electronic matter, together with the electric differentiation of negative and
positive bodies of energy-matter, result from these various functions of the component ultimatonic interassociation.

Each atom is a trifle over \( \frac{1}{100,000,000} \)th of an inch in diameter, while an electron weighs a little more than \( \frac{1}{2,000} \)th of the smallest atom, hydrogen. The positive proton, characteristic of the atomic nucleus, while it may be no larger than a negative electron, weighs almost two thousand times more.

If the mass of matter should be magnified until that of an electron equaled one tenth of an ounce, then were size to be proportionately magnified, the volume of such an electron would become as large as that of the earth. If the volume of a proton -- eighteen hundred times as heavy as an electron -- should be magnified to the size of the head of a pin, then, in comparison, a pin's head would attain a diameter equal to that of the earth's orbit around the sun.

7. Atomic Matter

The formation of all matter is on the order of the solar system. There is at the center of every minute universe of energy a relatively stable, comparatively stationary, nuclear portion of material existence. The
central unit is endowed with a threefold possibility of manifestation. Surrounding this energy center there whirl, in endless profusion but in fluctuating circuits, the energy units which are faintly comparable to the planets encircling the sun of some starry group like our own solar system.

Within the atom the electrons revolve about the central proton with about the same comparative room the planets have as they revolve about the sun in the space of the solar system. There is the same relative distance, in comparison with actual size, between the atomic nucleus and the inner electronic circuit as exists between the inner planet, Mercury, and our sun.

The electronic axial revolutions and their orbital velocities about the atomic nucleus are both beyond the human imagination, not to mention the velocities of their component ultimatons. The positive particles of radium fly off into space at the rate of ten thousand miles a second, while the negative particles attain a velocity approximating that of light.

The local universes are of decimal
construction. There are just one hundred distinguishable atomic materializations of space-energy in a dual universe; that is the maximum possible organization of matter in Nebadon. These one hundred forms of matter consist of a regular series in which from one to one hundred electrons revolve around a central and relatively compact nucleus. It is this orderly and dependable association of various energies that constitutes matter.

Not every world will show one hundred recognizable elements at the surface, but they are somewhere present, have been present, or are in process of evolution. Conditions surrounding the origin and subsequent evolution of a planet determine how many of the one hundred atomic types will be observable. The heavier atoms are not found on the surface of many worlds. Even on our planet Urantia the known heavier elements manifest a tendency to fly to pieces, as is illustrated by radium behavior.

Stability of the atom depends on the number of electrically inactive neutrons in the central body. Chemical behavior is wholly dependent on the activity of the freely revolving electrons.

In Orvonton it has never been possible
naturally to assemble over one hundred orbital electrons in one atomic system. When one hundred and one have been artificially introduced into the orbital field, the result has always been the instantaneous disruption of the central proton with the wild dispersion of the electrons and other liberated energies.

While atoms may contain from one to one hundred orbital electrons, only the outer ten electrons of the larger atoms revolve about the central nucleus as distinct and discrete bodies, intactly and compactly swinging around on precise and definite orbits. The thirty electrons nearest the center are difficult of observation or detection as separate and organized bodies. This same comparative ratio of electronic behavior in relation to nuclear proximity obtains in all atoms regardless of the number of electrons embraced. The nearer the nucleus, the less there is of electronic individuality. The wavelike energy extension of an electron may so spread out as to occupy the whole of the lesser atomic orbits; especially is this true of the electrons nearest the atomic nucleus.

The thirty innermost orbital electrons
have individuality, but their energy systems tend to intermingle, extending from electron to electron and well-nigh from orbit to orbit. The next thirty electrons constitute the second family, or energy zone, and are of advancing individuality, bodies of matter exerting a more complete control over their attendant energy systems. The next thirty electrons, the third energy zone, are still more individualized and circulate in more distinct and definite orbits. The last ten electrons, present in only the ten heaviest elements, are possessed of the dignity of independence and are, therefore, able to escape more or less freely from the control of the mother nucleus. With a minimum variation in temperature and pressure, the members of this fourth and outermost group of electrons will escape from the grasp of the central nucleus, as is illustrated by the spontaneous disruption of uranium and kindred elements.

The first twenty-seven atoms, those containing from one to orbital electrons, are more easy of comprehension than the rest. From twenty-eight upward these revelators encounter more and more of the
unpredictability of the supposed presence of the Unqualified Absolute. But some of this electronic unpredictability is due to differential ultimatonic axial revolutionary velocities and to the unexplained "huddling" proclivity of ultimatons. Other influences—physical, electrical, magnetic, and gravitational—also operated to produce variable electronic behavior. Atoms therefore are similar to persons as to predictability. Statisticians may announce laws governing a large number of either atoms or persons but not for a single individual atom or person.

8. Atomic Cohesion

While gravity is one of several factors concerned in holding together a tiny atomic energy system, there is also present in and among these basic physical units a powerful and unknown energy, the secret of their basic constitution and ultimate behavior, a force which remains to be discovered on our planet Urantia. This universal influence permeates all the space embraced within this tiny energy organization.

The interelectronic space of an atom is
not empty. Throughout an atom this interelectronic space is activated by wavelike manifestations which are perfectly synchronized with electronic velocity and ultimatonic revolutions. This force is not wholly dominated by our recognized laws of positive and negative attraction; its behavior is therefore sometimes unpredictable. This unnamed influence seems to be a space-force reaction of the Unqualified Absolute.

The charged protons and the uncharged neutrons of the nucleus of the atom are held together by the reciprocating function of the mesotron, a particle of matter 180 times as heavy as the electron. Without this arrangement the electric charge carried by the protons would be disruptive of the atomic nucleus.

As atoms are constituted, neither electric nor gravitational forces could hold the nucleus together. The integrity of the nucleus is maintained by the reciprocal cohering function of the mesotron, which is able to hold charged and uncharged particles together because of superior force-mass power and by the further function of causing protons
and neutrons constantly to change places. The mesotron causes the electric charge of the nuclear particles to be incessantly tossed back and forth between protons and neutrons. At one infinitesimal part of a second a given nuclear particle is a charged proton and the next an uncharged neutron. And these alternations of energy status are so unbelievably rapid that the electric charge is deprived of all opportunity to function as a disruptive influence. Thus does the mesotron function as an "energy-carrier" particle which mightily contributes to the nuclear stability of the atom.

The presence and function of the mesotron also explains another atomic riddle. When atoms perform radioactively, they emit far more energy than would be expected. This excess of radiation is derived from the breaking up of the mesotron "energy carrier," which thereby becomes a mere electron. The mesotronic disintegration is also accompanied by the emission of certain small uncharged particles.

The mesotron explains certain cohesive properties of the atomic nucleus, but it does
not account for the cohesion of proton to proton nor for the adhesion of neutron to neutron. The paradoxical and powerful force of atomic cohesive integrity is a form of energy as yet undiscovered on Urantia.

These mesotrons are found abundantly in the space rays which so incessantly impinge upon our planet.

9. Natural Philosophy

Religion is not alone dogmatic; natural philosophy equally tends to dogmatize. When a renowned religious teacher reasoned that the number seven was fundamental to nature because there are seven openings in the human head, if he had known more of chemistry, he might have advocated such a belief founded on a true phenomenon of the physical world. There is in all the physical universes of time and space, notwithstanding the universal manifestation of the decimal constitution of energy, the ever-present reminder of the reality of the sevenfold electronic organization of prematter.

The number seven is basic to the central universe and the spiritual system of inherent
transmissions of character, but the number ten, the decimal system, is inherent in energy, matter, and the material creation. Nevertheless the atomic world does display a certain periodic characterization which recurs in groups of seven -- a birthmark carried by this material world indicative of its far-distant spiritual origin.

This sevenfold persistence of creative constitution is exhibited in the chemical domains as a recurrence of similar physical and chemical properties in segregated periods of seven when the basic elements are arranged in the order of their atomic weights. When the Urantia chemical elements are thus arranged in a row, any given quality or property ends to recur by sevens. This periodic change by sevens recurs diminishingly and with variations throughout the entire chemical table, being most markedly observable in the earlier or lighter atomic groupings. Starting from any one element, after noting some one property, such a quality will change for six consecutive elements, but on reaching the eighth, it tends to reappear, that is, the eighth chemically active element resembles the first, the ninth the second, and so on. Such a
fact of the physical world unmistakably points to the sevenfold constitution of ancestral energy and is indicative of the fundamental reality of the sevenfold diversity of the creations of time and space. We mortals should also note that there are seven colors in the natural spectrum.

But not all the suppositions of natural philosophy are valid; for example, the hypothetical ether, which represents an ingenious attempt of man to unify his ignorance of space phenomena. The philosophy of the universe cannot be predicated on the observations of so-called science. If such a metamorphosis could not be seen, a scientist would be inclined to deny the possibility of developing a butterfly out of a caterpillar.

Physical stability associated with biologic elasticity is present in nature only because of the well-nigh infinite wisdom possessed by the Master Architects of creation. Nothing less than transcendental wisdom could ever design units of matter which are at the same time so stable and so efficiently flexible.

10. Universal Nonspiritual Energy Systems
The endless sweep of relative cosmic reality from the absoluteness of Paradise monota to the absoluteness of space potency, is suggestive of certain evolutions of relationship in the nonspiritual realities of the First Source and Center those realities which are concealed in space potency, revealed in monota, and provisionally disclosed on intervening cosmic levels. This eternal cycle of energy, being circuited in the Father of universes, is absolute and, being absolute, is expansile in neither fact nor value; nevertheless the Primal Father is even now as always -- self-realizing of an ever-expanding arena of time-space, and of time-space-transcended, meanings, an arena of changing relationships wherein energy-matter is being progressively subjected to the overcontrol of living and divine spirit through the experiential striving of living and personal mind.

The universal nonspiritual energies are reassOCIAted in the living systems of non-Creator minds on various levels, certain of which may be depicted as follows:
1. **Preadjutant-spirit minds.** This level of mind is nonexperiencing and on the inhabited worlds is ministered by the Master Physical Controllers. This is mechanical mind, the nonteachable intellect of the most primitive forms of material life, but the nonteachable mind functions on many levels beside that of primitive planetary life.

2. **Adjutant-spirit minds.** This is the ministry of a local universe Mather Spirit functioning through her seven adjutant mind-spirits on the teachable (nonmechanical) level of material mind. On this level material mind is experiencing: as subhuman (animal) intellect in the first five adjutants; as human (moral) intellect in the seven adjutants; as superhuman (midwayer) intellect in the last two adjutants. These seven adjutants are the spirit(s) of: 1) intuition, 2) understanding, 3) courage, 4) knowledge, 5) counsel, 6) worship, and 7) wisdom.

3. **Evolving morontia minds** the expanding consciousness of evolving personalities in the local universe ascending careers. This is the bestowal of the local universe Mother Spirit in liaison with the Creator Son. This mind level
connotes the organization of the morontia type of life vehicle, a synthesis of the material and the spiritual which is effected by the Morontia Power Supervisors of a local universe. Morontia mind functions differentially in response to the 570 levels of morontia life, disclosing increasing associative capacity with the cosmic mind on the higher levels of attainment. This is the evolutionary course of mortal creatures, but mind of a nonmorontia order is also bestowed by a Universe Son and a Universe Spirit upon the nonmorontia children of the local creations.

**The cosmic mind.** This is the sevenfold diversified mind of time and space, one phase of which is ministered by each of the Seven Master Spirits to one of the seven superuniverses. The cosmic mind encompasses all finite-mind levels and co-ordinates experientially with the evolutionary-deity levels of the Supreme Mind and transcendentally with the existential levels of absolute mind — the direct circuits of the Conjoint Actor.

On Paradise, mind is absolute; in Havona, absonite; in Orvonton, finite. Mind always connotes the presence-activity of living
ministry plus varied energy systems, and this is true of all levels and of all kinds of mind. But beyond the cosmic mind it becomes increasingly difficult to portray the relationships of mind to nonspiritual energy. Havona mind is subabsolute but superevolutionary; being existential-experiential, it is nearer the absonite than any other concept here revealed. Paradise mind is beyond human understanding; it is existential, nonspatial, and nontemporal. Nevertheless, all of these levels of mind are overshadowed by the universe presence of the Conjoint Actor -- by the mind-gravity grasp of the God of mind on Paradise.

11. Universe Mechanisms

In the evaluation and recognition of mind it should be remembered that the universe is neither mechanical nor magical; it is a creation of mind and a mechanism of law. But while in practical application the laws of nature operate in what seems to be the dual realms of the physical and the
spiritual, in reality they are one. The First Source and Center is the primal cause of all materialization and at the same time the first and final Father of all spirits.

The Paradise Father appears personally in the extra-Havana universes only as pure energy and pure spirit as the Thought Adjusters (as are those indwelling us) and other similar fragmentations.

Mechanisms do not absolutely dominate the total creation; the universe of universes in toto is mind planned, mind made, and mind administered. But the divine mechanism of the universe of universes is altogether too perfect for the scientific methods of the finite mind of wo/man to discern even a trace of the dominance of the infinite mind. For this creating, controlling, and upholding mind is neither material
mind nor creature mind; it is spirit-mind functioning on and from creator levels of divine reality.

The ability to discern and discover mind in universe mechanisms depends entirely on the ability, scope, and capacity of the investigating mind engaged in such a task of observation. Time-space minds, organized out of the energies of time and space, are subject to the mechanisms of time and space.

Motion and universe gravitation are two facets of the impersonal time-space mechanism of the universe of universes. The levels of gravity response for spirit, mind, and matter are quite independent of time, but only true spirit levels of reality are independent of space (nonspatial). The higher mind levels of the universe -- the spirit-mind levels -- may also be nonspatial, but the levels of material mind,
such as human mind, are responsive to the interactions of universe gravitation, losing this response only in proportion to spirit identification. Spirit-reality levels are recognized by their spirit content, and spirituality in time and space is measured inversely to the linear-gravity response.

Linear-gravity response is a quantitative measure of nonspirit energy. All mass -- organized energy -- is subject to this grasp except, as motion and mind act upon it. Linear gravity is the short-range cohesive force of the macrocosmos somewhat as the forces of intra-atomic cohesion are the short-range forces of the microcosmos.

Physical materialized energy organized as so-called matter, cannot traverse space without affecting linear-gravity response. Although such gravity response is directly proportional to mass, it is so modified by
intervening space that the final result is no more than roughly approximated when expressed as inversely according to the square of the distance. Space eventually conquers linear gravitation because of the presence therein of the antigravity influences of numerous supermaterial forces which operate to neutralize gravity action and all responses thereto.

Extremely complex and highly automatic-appearing cosmic mechanisms always tend to conceal the presence of the originative or creative indwelling mind from any and all intelligences very far below the universe levels of the nature and capacity of the mechanism itself. Therefore, is it inevitable that the higher universe mechanisms must appear to be mindless to the lower orders of creatures. The only possible exception to such a conclusion would be the implication of mindedness in the amazing phenomenon of an apparently self-maintaining universe -- but that is a matter of philosophy rather than of actual experience.

Since mind co-ordinates the universe, fixity of mechanisms is nonexistent. The
phenomenon of progressive evolution associated with cosmic self-maintenance is universal. The evolutionary capacity of the universe is inexhaustible in the infinity of spontaneity. Progress towards harmonious unity, a growing experiential syntheses superimposed on an ever-increasing complexity of relationships, could be effected only by a purposive and dominant mind.

The higher the universe mind associated with any universe phenomenon, the more difficult it is for the lower types of mind to discover it. And since the mind of the universe mechanism is creative spirit-mind (even the mindedness of the Infinite), it can never be discovered or discerned by the lower-level minds of the universe, much less by the lowest mind of all, us humans. The evolving animal mind, while naturally God-seeking, is not alone and of itself inherently God-knowing.

12. Pattern and Form -- Mind Dominance

The evolution of mechanisms implies and indicates the concealed presence and dominance of creative mind. The ability of our mortal
intellect to conceive, design, and create automatic mechanisms demonstrates the superior, creative, and purposive qualities of our mind as the dominant influence on the planet. Mind always reaches out towards:

1. Creation of material mechanisms.
2. Discovery of hidden mysteries.
3. Exploration of remote situations.
4. Formulation of mental systems.
5. Attainment of wisdom goals.
6. Achievement of spirit levels.
7. The accomplishment of divine destinies supreme, ultimate, and absolute.

Mind is always creative. The mind endowment of an individual animal, mortal, morontian, spirit ascender, or finality attainer is always competent to produce a suitable and serviceable body for the living creature identity. But the presence phenomenon of a personality or the pattern of an identity, as such, is not a manifestation of energy, either physical, mindal, or spiritual. The personality
form is the pattern aspect of a living being; it connotes the arrangement of energies, and this, plus life and motion, is the mechanism of creature existence.

Even spirit beings have form, and these spirit forms (patterns) are real. Even the highest type of spirit personalities have forms -- personality presences in every sense analogous to our Urantia mortal bodies. Nearly all beings encountered in the seven superuniverses are possessed of forms. But there are a few exceptions to this general rule: Thought Adjusters appear to be without form until after fusion with the surviving souls of their mortal associates. Solitary Messengers, Inspired Trinity Spirits, Personal Aids of the Infinite Spirit, Gravity Messengers, Transcendental Recorders, and certain others are also without discoverable form. But these are typical of the exceptional few; the great majority have bona fide personality forms, forms which are individually characteristic, and which are recognizable and personality distinguishable.
The liaison of the cosmic mind and the ministry of the adjutant mind-spirits evolve a suitable physical tabernacle for the evolving human being. Likewise does the morontia mind individualize the morontia form for all mortal survivors.

As the mortal body is personal and characteristic for every human being, so will the morontia form be highly individual and adequately characteristic of the creative mind which dominates it. No two morontia forms are any more alike than any two human bodies. The Morontia Power Supervisors sponsor, and the attending seraphim provide, the undifferentiated morontia material wherewith the morontia life can begin to work. And after the morontia life it will be found that spirit forms are equally diverse, personal, and characteristic of their respective spirit-mind indwellers.

On a material world we think of a body as having a spirit, but on the spirit world they regard the spirit as having a body. The material eyes are truly the windows of the spirit-born
soul. The spirit is the architect, the mind is the builder, the body is the material building.

Physical, spiritual, and mindal energies, as such and in their pure states, do not fully interact as actuals of the phenomenal universes. On Paradise the three energies are co-ordinate, in Havona co-ordinated, while in the universe levels of finite activities there must be encountered all ranges of material, mindal, and spiritual dominance. In nonpersonal situations of time and space, physical energy seems to predominate, but it also appears that the more nearly spirit-mind function approaches divinity of purpose and supremacy of action, the more nearly does the spirit phase become dominant; that on the ultimate level spirit-mind may become all but completely dominant. On the absolute level spirit certainly is dominant. And from there on out through the realms of time and space, wherever a divine spirit reality is present, whenever a real spirit-mind is functioning, there always tends to be produced a material or physical counterpart of that spirit reality.
The spirit is the creative reality; the physical counterpart is the time-space reflection of the spirit reality, the physical repercussion of the creative action of spirit-mind. Mind universally dominates matter, even as it is in turn responsive to the ultimate overcontrol of spirit. And with us mortals, only that mind which freely submits itself to the spirit direction can hope to survive the mortal time-space existence as an immortal child of the eternal spirit world of the Supreme, the Ultimate, and the Absolute: the Infinite.

And, so it is ... the totality of all creation is controlled through the four (4) gravity circuits of spirit, mind, physical-energy, and personality - to include the individual creature/creation of all us human beings too!

PART V. THE OVERCONTROL OF EVOLUTION

Basic evolutionary material life - premind
life - is the formulation of the Master Physical Controllers and the life-impartation ministry of the Seven Master Spirits in conjunction with the active ministration of the ordained Life Carriers. As a result of the coordinate function of this threefold creativity there develops organismal physical capacity for mind - material mechanisms for intelligent reaction to external environmental stimuli and, later on, to internal stimuli, influences taking origin in the organismal mind itself.

There are, then three distinct levels of life production and evolution:

1. The physical-energy domain - mind-capacity production.

2. The mind ministry of the adjutant spirits - impinging upon spirit capacity.

3. The spirit endowment of mortal mind - culminating in Thought Adjuster bestowal.

The mechanical-nonteachable levels of organismal environmental response are the domains of the physical controllers. The adjutant mind-spirits activate and regulate the adaptative or nonmechanical-teachable types of mind - those
response mechanisms of organisms capable of learning from experience. And as the spirit adjutants thus manipulate mind potentials, so do the Life Carriers exercise considerable discretionary control over the environmental aspects of evolutionary processes right up to the time of the appearance of human will - the ability to know God and the power of choosing to worship him.

It is the integrated functioning of the Life Carriers, the physical controllers, and the spirit adjutants that conditions the course of organic evolution on the inhabited worlds. And this is why evolution - on Urantia or elsewhere - is always purposeful and never accidental.

1. Life Carrier Functions

The Life Carriers are endowed with potentials of personality metamorphosis which but few orders of creatures possess. These Sons of the local universe are capable of functioning in three diverse phases of being. They ordinarily
perform their duties as mid-phase Sons, that being the state of their origin. But a Life Carrier in such a stage of existence could not possibly function in the electrochemical domains as a fabricator of physical energies and material particles into units of living existence.

Life Carriers are able to function and do function on the following three levels:

1. The physical level of electrochemistry.

2. The usual mid-phase of quasi morontial existence.

3. The advanced semi-spiritual level.

When the Life Carriers make ready to engage in life implantation, and after they have selected the sites for such an undertaking, they summon the archangel commission of Life Carrier transmutation. This group consists of ten orders of diverse personalities, including the physical controllers and their associates, and is presided over by the chief of archangels, who acts in this capacity by the mandate of Gabriel and with the permission of the Ancients of Days. When these
beings are properly encircuited, they can affect such modifications in the Life Carriers as will enable them immediately to function on the physical levels of electrochemistry.

After the life patterns have been formulated and the material organizations have been duly completed, the supermaterial forces concerned in life propagation become forthwith active, and life is existent. Whereupon the Life Carriers are immediately returned to their normal mid-phase of personality existence, in which estate they can manipulate the living units and maneuver the evolving organisms, even though they are shorn of all ability to organize - create - new patterns of living matter.

After organic evolution has run a certain course and free will of the human type has appeared in the highest evolving organisms, the Life Carriers must either leave the planet or take renunciation vows; that is, they must pledge themselves to refrain from all attempts further to influence the course of organic evolution. And when such vows are voluntarily taken by those Life Carriers who choose to remain on the planet as
future advisers to those who shall be intrusted with the fostering of the newly evolved will creatures, there is summoned a commission of twelve, presided over by the chief of the Evening Stars, acting by authority of the System Sovereign and with permission of Gabriel; and forthwith these Life Carriers are transmuted to the third phase of personality existence - the semi-spiritual level of being.

They look forward to a time when the universe may be settled in light and life, to a possible fourth stage of being wherein they shall be wholly spiritual, but it has never been revealed to them by what technique they may attain this desirable and advanced estate.

2. The Life-Dawn Era on Urantia

Though the Life Carriers can and do carry life to the planets, they brought no life to our planet Urantia. Our Urantia life is unique, original with our planet. This sphere is a life-modification world; all life appearing hereon was formulated by the Life Carriers right here
on the planet; and there is no other world in all Satania, even in all Nebadon, that has a life existence just like that of Urantia.

550,000,000 years ago, in co-operation with spiritual powers and superphysical forces, our Life Carrier corps organized and initiated the original life patterns of this world and planted them in the hospitable waters of the realm. All planetary life (aside from extraplanetary personalities) down to the days of Caligastia, the Planetary Prince, had its origin in the Life Carriers three original, identical, and simultaneous marine-life implantations. These three life implantations have been designated as: the central or Eurasian-African, the eastern or Australasian, and the western, embracing Greenland and the Americas.

500,000,000 years ago primitive marine life was well established on Urantia. Greenland and artic land mass, together with North and South America, were beginning their long and slow westward drift. Africa moved slightly south, creating an east and west trough, the Mediterranean basin, between itself and the
mother body. Antarctica, Australia, and the land indicated by the islands of the Pacific broke away on the south and east and have drifted far away since that day.

The Life Carriers had planted the primitive form of marine life in the sheltered tropic bays of the central seas of the east-west cleavage of the breaking-up continental land mass. Their purpose in making three marine-life implantations was to insure that each great land mass would carry this life with it, in its warm-water seas, as the land subsequently separated; for they foresaw that in the later era of the emergence of land life large oceans of water would separate these drifting continental land masses.

450,000,000 years ago the transition from vegetable to animal life occurred. This metamorphosis took place in the shallow waters of the sheltered tropic bays and lagoons of the extensive shore lines on the separating continents. And this development, all of which was inherent in the original life patterns, came about gradually. There were many transitional
stages between early primitive vegetable forms the of life and the later well-defined animal organisms. Even today the transition slime molds persist, and they can hardly be classified either as plants or as animals.

Although the evolution of vegetable life can be traced into animal life, and though there have been found graduated series of plants and animals which progressively lead up from the most simple to the most complex and advanced organisms, we will not be able to find such connecting links between the great divisions of the animal kingdom nor between the highest of the prehuman animal types and the dawn human beings of the human races. These so-called "missing links" will forever remain missing, for the simple reason that they never existed.

From era to era radically new species of animal life arise. They do not evolve as the result of the gradual accumulation of small variations; they appear as full-fledged and new orders of life, and they appear **suddenly**.

The **sudden** appearance of new species and diversified orders of living organisms is wholly
biologic, strictly natural. There is nothing supernatural connected with these genetic mutations.

At the proper degree of saltiness in the oceans animal life evolved, and it was comparatively simple to allow the briny waters to circulate through the animal bodies of marine life. But when the oceans were contracted and the percentage of salt was greatly increased, these same animals evolved the ability to reduce the saltiness of their body fluids just as those organisms which learned to live in fresh water acquired the ability to maintain the proper degree of sodium chloride in their body fluids by ingenious techniques of salt conservation.

Study of the rock-embraced fossils of marine life reveals the early adjustment struggles of these primitive organisms. Plants and animals never cease to make these adjustment experiments. Ever the environment is changing, and always are living organisms striving to accommodate themselves to these never-ending fluctuations.

The physiologic equipment and the anatomic structure of all new orders of life are in
response to the action of physical law, but the subsequent endowment of mind is a bestowal of the adjutant mind-spirits in accordance with innate brain capacity. Mind, while not a physical evolution, is wholly dependent on the brain capacity afforded by purely physical and evolutionary developments.

Through almost endless cycles of gains and losses, adjustments and readjustments, all living organisms swing back and forth from age to age. Those that attain cosmic unity persist, while those that fall short of this goal cease to exist.

3. The Evolutionary Panorama

The story of man's ascent from seaweed to the lordship of earthly creation is indeed a romance of biologic struggle and mind survival. Man's primordial ancestors were literally the slime and ooze of the ocean bed in the sluggish and warm-water bays and lagoons of the vast shore lines of the ancient inland seas, those very waters in which the Life Carriers established the three independent life
implantations on Urantia.

Very few species of the early types of marine vegetation that participated in those epochal changes which resulted in the animallike borderland organisms are in existence today. The sponges are the survivors of one of these early mid-way types, those organisms through which the gradual transition from the vegetable to the animal took place. These early transition forms, while not identical with modern sponges, were much like them; they were true borderline organisms—neither vegetable nor animal—but they eventually led to the development of the true animal forms of life.

The bacteria, simple vegetable organisms of a very primitive nature, are very little changed from the early dawn of life; they even exhibit a degree of retrogression in their parasitic behavior. Many of the fungi also represent a retrograde movement in evolution, being plants which have lost their chlorophyll making ability and have become more or less parasitic. The majority of disease-causing bacteria and their auxiliary virus bodies really belong to this group of renegade parasitic fungi. During the intervening ages all of the vast
kingdom of plant life has evolved from ancestors from which the bacteria have also descended.

The higher protozoan type of animal life soon appeared, and appeared **suddenly**. And from these far-distant times the ameba, the typical single-celled animal organism, has come on down but little modified. He disports himself today much as he did when he was the last and greatest achievement in life evolution. This minute creature and his protozoan cousins are to the animal creation what bacteria are to the plant kingdom; they represent the survival of the first early evolutionary steps in life differentiation together with **failure of subsequent development**.

Before long the early single-celled animal types associated themselves in communities, first on the plan of the Volvox and presently along the lines of the Hydra and jellyfish. Still later there evolved the starfish, stone lilies, sea urchins, sea cucumbers, centipedes, insects, spiders, crustaceans, and the closely related groups of earthworms and leeches, soon followed by the mollusks - the oyster, octopus, and snail. Hundreds upon hundreds of species intervened and perished;
mention is made only of those which survived the long, long struggle. Such nonprogressive specimens, together with the later appearing fish family, today represent the stationary types of early and lower animals, branches of the tree of life which failed to progress.

The stage was thus set for the appearance of the first backboned animals, the fishes. From this fish family there sprang two unique modifications, the frog and the salamander. And it was the frog which began that series of progressive differentiations in animal life that finally culminated in man himself.

The frog is one of the earliest of surviving human-race ancestors, but it also failed to progress, persisting today much as in those remote times. The frog is the only species ancestor of the early dawn races now living on the face of the earth. The human race has no surviving ancestry between the frog and the Eskimo.

The frogs gave rise to the Reptilia, a great animal family which is virtually extinct, but which, before passing out of existence, gave origin to the whole bird family and the numerous orders of
Probably the greatest single leap of all prehuman evolution was executed when the reptile became a bird. The bird types of today—eagles, ducks, pigeons, and ostriches—all descended from the enormous reptiles of long, long ago.

The kingdom of reptiles, descended from the frog family, is today represented by four surviving divisions: two nonprogressive, snakes and lizards, together with their cousins, alligators and turtles; one partially progressive, the bird family, and the fourth, the ancestors of mammals and the direct line of descent of the human species. But though long departed, the massiveness of the passing. Reptilia found echo in the elephant and mastodon, while their peculiar forms were perpetuated in the leaping kangaroos.

Only fourteen phyla have appeared on Urantia, the fishes being the last, and no new classes have developed since birds and mammals.

It was from an agile little reptilian dinosaur of carnivorous habits but having a comparatively large brain that the placental mammals suddenly
sprang. These mammals developed rapidly and in many different ways, not only giving rise to the common modern varieties but also evolving into marine types, such as whales and seals, and into air navigators like the bat family.

Man thus evolved from the higher mammals derived principally from the western implantation of life in the ancient east-west sheltered seas. The eastern and central groups of living organisms were early progressing favorably toward the attainment of prehuman levels of animal existence. But as the ages passed, the eastern focus of life emplacement failed to attain a satisfactory level of intelligent prehuman status, having suffered such repeated and irretrievable losses of its highest types of germ plasm that it was forever shorn of the power to rehabilitate human potentialities.

Since the quality of the mind capacity for development in this eastern group was so definitely inferior to that of the other two groups, the Life Carriers, with the consent of their superiors, so manipulated the environment as further to circumscribe these inferior prehuman strains of
evolving life. To all outward appearances the elimination of these inferior groups of creatures was accidental, but in reality it was altogether purposeful.

Later in the evolutionary unfolding of intelligence, the lemur ancestors of the human species were far more advanced in North America than in other regions; and they were therefore led to migrate from the arena of western life implantation over the Bering land bridge and down the coast to southwestern Asia, where they continued to evolve and to benefit by the addition of certain strains of the central life group. Man thus evolved out of certain western and central life strains but in the central to near-eastern regions.

In this way the life that was planted on Urantia evolved until the ice age, when man himself first appeared and began his eventful planetary career. And this appearance of primitive man on earth during the ice age was not just an accident; it was by design. The rigors and climatic severity of the glacial era were in every way adapted to the purpose of fostering the production of a hardy type of human being with tremendous survival endowment.
4. The Urantia Adventure

Urantia was assigned as a life-experiment world. On this planet the Life Carriers made their sixtieth attempt to modify and, if possible, improve the Satania adaptation of the Nebadon life designs, and it is of record that they achieved numerous beneficial modifications of the standard life patterns. To be specific, on Urantia they worked out and have satisfactorily demonstrated not less than twenty-eight features of life modifications which will be of service to all Nebadon throughout all future time.

But the establishment of life on no world is ever experimental in the sense that something untried and unknown is attempted. The evolution of life is a technique ever progressive, differential, and variable, but never haphazard, uncontrolled, nor wholly experimental, in the accidental sense.

Many features of human life afford abundant evidence that the phenomenon of mortal existence was intelligently planned, that organic evolution is
not a mere cosmic accident.

When a living cell is injured, it possesses the ability to elaborate certain chemical substances which are empowered so to stimulate and activate the neighboring normal cells that they immediately begin the secretion of certain substances which facilitate healing processes in the wound; and at the same time these normal and uninjured cells begin to proliferate—they actually start to work creating new cells to replace any fellow cells which may have been destroyed by the accident.

This chemical action and reaction concerned in wound healing and cell reproduction represents the choice of the Life Carriers of a formula embracing over one hundred thousand phases and features of possible chemical reactions and biologic repercussions. More than half a million specific experiments were made by the Life Carriers in their laboratories before they finally settled upon this formula for the Urantia life experiment.

When Urantia scientists know more of these healing chemicals, they will become more efficient in the treatment of injuries, and
indirectly they will know more about controlling certain serious diseases.

Since life was established on Urantia, the Life Carriers have improved this healing technique as it has been introduced on another Satania world, in that it affords more pain relief and exercises better control over the proliferation capacity of the associated normal cells.

There were many unique features of the Urantia life experiment, but the two outstanding episodes were the appearance of the Andonic race prior to the evolution of the six colored peoples and the later simultaneous appearance of the Sangik mutants in a single family. Urantia is the first world in Satania where the six colored races sprang from the same human family. They ordinarily arise in diversified strains from independent mutations within the prehuman animal stock and usually appear on earth one at a time and successively over long periods of time, beginning with the red man and passing on down through the colors to indigo.

Another outstanding variation of procedure was the late arrival of the Planetary Prince. As a rule, the prince appears on a planet about the time of will development; and if such a plan
had been followed, Caligastia might have come to Urantia even during the lifetimes of Andon and Fonta instead of almost five hundred thousand years later, simultaneously with the appearance of the six Sangik colored races.

On an ordinary inhabited world a Planetary Prince would have been granted on the request of the Life Carriers at, or sometime after, the appearance of Andon and Fonta. But Urantia having been designated a life-modification planet, it was by pre-agreement that the Melchizedek observers, twelve in number, were sent as advisers to the Life Carriers and as overseers of the planet until the subsequent arrival of the Planetary Prince. These Melchizedek observers came at the time Andon and Fonta made the decisions which enabled Thought Adjusters to indwell their mortal minds. On Urantia the endeavors of the Life Carriers to improve the Satania life patterns necessarily resulted in the production of many apparently useless forms of transition life. But the gains already accrued are sufficient to justify the Urantia modifications of the standard life designs.

It was their intention to produce an early manifestation of will in the evolutionary life of Urantia, and they succeeded. Ordinarily, will does not emerge until the colored races
have long been in existence, usually first appearing among the superior types of the red man. Our world is the only planet in Satania where the human type of will has appeared in a pre-colored race.

But in their effort to provide for that combination and association of inheritance factors which finally gave rise to the mammalian ancestors of the human race, they were confronted with the necessity of permitting hundreds and thousands of other and comparatively useless combinations and associations of inheritance factors to take place. Many of these seemingly strange by-products of their efforts are certain to meet our gaze as we dig back into the planetary past, and the Life Carriers can well understand how puzzling some of these things must be to our limited human viewpoint.

And so it is!

{Note: a more in-depth study of understanding can be had by a search and reading of the Urantia Book itself; or via Research Publications by Doug Mayberry revelatorytruths.blog.}
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