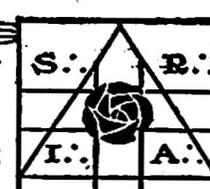




# MERCURY



Published Semi-Monthly as the Official Messenger of  
Metropolitan College, Societas Rosicruciana in America.

Vol. 5

March 8,



MCMXX

No. 5

## Authorized Instruction in Rosicrucian Philosophy.

By Fr. K. X<sup>o</sup>.

Number Ten.

### Lemuria and Atlantis. Early Transitional Forms.

Karma, Laws of Consequence and Compensation. Guardian of the Threshold.

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In the preceding chapters we have dwelt somewhat at length upon earth conditions and the planetary activities of the Regent, especially prior to the Great Incarnation and during the Lemurian and previous epochs.

In order to establish the correct sequence we shall begin this chapter with a consideration of some similar conditions existent in the Atlantean Epoch.

#### Many Occultists Fail to Correlate.

Many occult scientists and writers have given what purport to be detailed descriptions of both Lemurian and Atlantean life, but have failed to correlate such descriptions with the known and established time data of geological science. For this reason, we have not attempted in these Instructions to recapitulate all that has been previously written by genuine occult scientists and investigators, but rather, to correlate the teachings of Rosicrucian and Physical Science.

#### Appearance of Atlantis.

In Instruction No. 2, it is stated that Lemuria was destroyed about 10,417,000 years ago by volcanic action. The gradual entrance of Atlantis upon the scene of earth-evolution was accompanied by notable seismic upheavals and disturbances. In fact the whole life of Atlantis (which continent was finally destroyed by four volcanic and seismic cataclysms) was notable for the prevalence and extent of earthquakes on a scale far greater than any known to ancient or modern historians.

#### Causes of Earthquakes.

These were due to the more plastic condition of the Earth's outer crust, the percolation and seeping of water into the fluid, fiery stratum immediately below and the consequent explosions internally resulting therefrom, establishing veins and pockets of steam reservoirs. Earthquakes, generally speaking, arise from subterranean rock fractures due to the solvent action of water

which results in their undermining, extrusion of lava from volcanic activity and the unequal contraction of the Earth's crust.

#### What Prof. Dana Said.

It is a notable testimony to the invisible causes of visible effects sought by occultism, when the eminent geologist, Prof. James D. Dana, LL.D., wrote—"But none of the causes that have been considered (by academic science) explain the great changes of level involving large parts of continents or of oceanic areas; or the phenomena attending the making and uplifting of mountain ranges; or the earthquakes that HAVE SHAKEN A HEMISPHERE."

#### Nothing is Left to "Work Itself Out."

Here Rosicrucian science teaches that nothing happens by chance and that natural forces and powers once set in operation by primal causes are not left to "work themselves out" in a haphazard way, so in order to ascertain the real reason for such cataclysms the occult student must first seek the REASON WHY SUCH CONDITIONS AS RESULT THEREFROM ARE NECESSARY, and whether such resultant conditions could have been brought about in any other way.

#### The "Necessity" for Changes in the Earth's Crust.

The "necessity" becomes apparent when we realize that the requisite conditions and opportunities for life, growth, development and improvement must be provided for the rapidly evolving life waves on the planet, and that unless such conditions were being constantly provided to meet the effects produced by changing climates, atmospheric and meteorological states, hardening, crystallizing and intensifying of the Earth's crust and the chemical transmutations being wrought in Mineral, Vegetable and Animal Kingdoms, there would long since have been established a barrier of finality to Man's evolution on this planet.

#### Sayings of Elbert Hubbard, No. 21.

"Remorse is the form that failure takes when it has made a grasp and got nothing."

### Character of the Means Employed.

The "means" for effecting such changes as were necessary must be planetary in their nature and scope, for Man himself would have been absolutely incapable of effecting them, nor would he have had the wisdom to realize their necessity. Here the evidence of a "superior wisdom" is clearly shown, and that wisdom existing, and being of a solar and even cosmic nature and scope, it was and is obliged to utilize cosmic, solar and planetary processes to effect the manifestation of its plans. These were the "plans laid down on the Trestle Board of the Great Architect," and now carried out by his immediate Workmen and Builders, the Regents to whom the building of our own and many others Earths has been entrusted.

### Additional Proof of Movement from the North Pole.

#### New Hampshire Boulders.

Among the topographic changes wrought in the Earth's crust and surface we have, in the "Drift" or deposits of transported material spread over the continent by the Glacial carriers, another proof of the gradual movement from the North Pole to the Equator of many evidences of the first gradual cooling and crustal changes previously described. Some of the most notable of the stones so transported are called "boulders." One of these, in Nottingham, New Hampshire, is 62,40, and 40 feet in its several diameters, and its weight is estimated at about 6000 tons. Another, in Madison, New Hampshire has an estimated weight of 7650 tons. The fact that boulders are found at the summit of Mount Washington, a place especially esteemed by Rosicrucians in America, is proof that the altitude of the upper surface of the glaciers in that region was between 6000 and 6500 feet, and therefore the ice must have been at least 5000 feet thick over that part of what is now known as New England.

#### Man-in-the-making. Fear of Reptiles.

We have already made mention, and repeat it here, that when speaking of Man and Races in the Lemurian and previous Epochs, it must be remembered that we do not speak of Man as we know him to be since the beginning of recorded history, but rather, of "Man-in-the-making." It is important to keep this fact in mind, for man today is a complex being, preserving within his "Cosmic Memory" the experience he underwent in the long ages before he became a true homo. This is particularly shown in the instinctive dread, fear, and hatred of over 90% of humanity for serpents and reptiles. This fear is an atavism, brought down from an early part of the Atlantean Epoch.

#### Atlantis, Home of Gigantic Reptiles. Alberta and the Saskatchewan.

It was the Atlantean Epoch that gave to evolving life forms the gigantic reptilia, and it is this same inherited cosmic memory and knowledge of them that gives to those scientists who devote special study to this department of palaeontological science the ability to reconstruct, sometimes from a single tooth, the exact similitude of the original form.

These gigantic lizards and reptiles roamed largely over the whole uninhabited areas of Atlantis, and while we may not hope to recover vestigial remains of the exact species indigenous to the more southern parts of the continent, we are able to gain a clear concept of them from the remains found in Canadian North America. Here, in the region adjacent to Alberta, the miniature canyon of the Saskatchewan reveals four distinct geological periods, and in these layers are preserved the fossil remains of animals and plants existent about 3,000,000 years ago. These reptiles were both flesh and herb eaters, but all shared certain characteristics in common and were known as the Dinosaurs. Some of the species are listed herewith:

### Species of the Dinosaurs.

- 1 The Trachodon, 30 ft. long by 15 ft. high. Herb-eater. Duck-billed.
- 2 The Ornithomimus, 12 ft. long. Food. Crustaceans.
- 3 Monoclonius, skull 6ft. long. Horned Ancestor of the
- 4 Triceratops, 25 ft. long.
- 5 Ankylosaurus, Stocky, short-legged, heavy bodied. Armored.
- 6 Albertosaurus, 30 ft. long, by 15 ft. high. Flesh-eater.
- 7 Saurolophus,
- 8 Corythosaurus, Crested Dinosaur.
- 9 Hypacrosaurus, Long-spined dinosaur.
- 10 The ocean correspondence was the Ichthyosaurus.
- 11 The Brontosaurus.

### Canadian Climate Like That Of Florida of Today.

The region in which these fossil remains are found was once the bed of a vast inland sea, when North America was vastly different in conformation from what it is now. Likewise, the region now known as Southern Canada then had a climate much like that which Florida in the Everglade region has today.

To the Rosicrucian, a study of Humanity as a whole will reveal in the units of the species the natures, traits and many characteristics peculiar to all the types and species of the lower Kingdoms of Life, and the atavistic persistence of many tendencies in the homo, inherited not alone from his racial ancestors but from the multiform types of Mineral-Man, Vegetable-Man and Animal-Man, is an excellent proof of his continuous existence throughout a remote Past, and a prediction of his continuous existence throughout an infinite future.

In the prehistoric reptilia of ancient Atlantis, the types distinguished between flesh and herb-eaters, the armored species, pugnacious, warlike, and those of a gentleness comparable to that of the modern dog, will be found on careful study to furnish us with excellent illustrations of the earliest manifestations of those characteristics which were to be later observed in the earliest expressions of the true homo, and perpetuated, with modifications, throughout all races, tribes, and groups.

### Patriarchs Lived in the Consciousness of Their Descendants.

We read in the Older Scriptures of the great ages to which the Patriarchs attained. Many well intentioned folk accept such ages literally as given. As a matter of fact, the Patriarchs did not live much longer then, even if as long, as do the present races who live in a state close to Nature. Their great ages consisted in the fact that after so-called physical death, they lived in the consciousness of their tribal descendants, and thus living, the descendants were always conscious of the continued existence of their ancestors. This is an illustration of the practical operation of the Cosmic Memory. (Gen. v.) It was not impossible that Enoch begat Methuselah at the age of sixty-five years, but it is far from the known processes of protoplasm to conceive that Methuselah begat Lamech at the age of one hundred and eighty-seven years, or that he lived to the age of nine hundred and sixty-nine years. Such a long life IN THE CONSCIOUSNESS OF HIS DESCENDANTS was not only possible but probable, and this very possibility made also possible the correct perpetuation of religious and esoteric traditions throughout many centuries, before writing was introduced.

### Ego Not Fully Indrawn in Early Atlantis.

In the early part of the Atlantean Epoch, the Ego had not yet fully indrawn and assumed full control over its vehicles, and the blood, being the particular vehicle of the Ego but with the

latter not fully functioning therein as yet, was utilized by the Racial and Family Group Spirit of the early homos to perpetuate the consciousness of the species as it differentiated from that of the three preceding kingdoms. Memory, it will be observed, is a prerogative only of the Human Kingdom.

### Sight, the Gift of the Atlantean Epoch.

As the greatest aid to consciousness on the external plane, sight was the gift to Man of the Atlantean Epoch. Prior to this epoch and during his Lemurian existence he had no eyes as those organs are now known. He had instead two sense centers which were highly sensitive to the extreme light conditions of his time, and just as throughout all Nature organisms develop special organs in response to exterior environment, under the very Law of Adaptation to Environment, so the eyes as well defined organs were developed during the Atlantean Epoch.

### How Man First "Knew" His Wife.

Lemurian Man first "knew" his wife or opposite sex polarity through the personal contact of the sex function but his consciousness was of an interior spiritual nature. Atlantean Man was the first to know the physical world as an objective reality through the development of sight and the stream of consciousness that translated sight sense perception.

### Lemurians Had No Memory.

Lemurian Man had no memory, for his consciousness being as stated, of an interior nature, was as yet in the transitional state between the dream consciousness of the animal, and the full waking consciousness that reached its fullest extent during the Atlantean Epoch. Sight and Memory therefore are the two great developments in Man during this Epoch.

### Extent and Orders of the Reptilian Era.

While the gigantic reptiles previously mentioned are the product of the Atlantean Epoch, their prototypes originated in the latter part of the Lemurian. The entire Reptilian Era was of about 12,000,000 years duration, and numbered eighteen great Orders. Of these Orders, only five exist today, the

Turtles,	(Testudinata)
Tuateras,	(Rhynchocephalia)
Lizards,	(Lacertilia)
Snakes,	(Ophidia)
Crocodiles,	(Crocodilia)

### Only Five Survive.

### Early Life Forms Now Degenerating. That Kingdom Ended.

Prof. Osborn says:—"The evolution of these five surviving orders has either been extremely slow, or entirely arrested during the 3,000,000 years which are generally assigned to Tertiary time; we can distinguish only by relatively minor changes the turtles and crocodiles of the base of the Tertiary from those living today. In other words, during this period of 3,000,000 years **THE ENTIRE PLANT WORLD, THE INVERTEBRATE WORLD, THE FISH, THE AMPHIBIAN, AND THE REPTILIAN WORLDS HAVE ALL REMAINED AS RELATIVELY BALANCED, STATIC, UNCHANGED OR PERSISTENT TYPES, WHILE THE MAMMALS (types that suckle their young; having breasts), RADIATING 3,000,000 YEARS AGO FROM VERY SMALL, INCONSPICUOUS FORMS, HAVE UNDERGONE A PHENOMENAL EVOLUTION, spreading into every geographic region formerly occupied by the Reptilia and passing through multitudinally varied phases not only of direct, but of alternating and reversed evolution."**

### Progress of the Mammalia. Laggards and Stragglers.

Here Rosicrucian and Physical Science again unite, for the Rosicrucian knows that evolution is a continuous process, and that any life form must go forward or begin its disintegration as a form or kingdom. Thus the Reptilia are to the Rosicrucian an interesting study of an organic life wave, which, having reached its epitome, is now slowly, through the leisurely processes of Nature, in its disintegration. On the other hand, the Rosicrucian sees in the progress of the mammalia, the true evolutionary process, slowly incarnating the life wave of the disintegrating kingdom or species and carrying it on to higher forms and planes. And we also witness the phenomena of alternating and reversed evolutions, for the former is easily discernible in the lower types, while of the latter we have an instance in the anthropoids, the present members of which are degenerate types, they as well as some human aborigines evolving (apparently and temporarily) downward. We say temporarily, for the Rosicrucian sees in these degenerates the laggards in human evolution, and knows that future human evolutionary waves will take up and carry onward these "stragglers."

### Origin of the Birds. (Aves)

It is a far cry from the Gigantosaurus (Brachiosaurus), sometimes over 100 feet in length, with huge shoulder and forearm, the quadrupedal type like the Brontosaurus and the Diplodocus with its long, slender neck and tail, swift moving; the carnivorous Tyrannosaurus and the Stegosaurus, to man of today; but every species has contributed through its development in the higher phases of the Animal Kingdom to give to Man his ability to fight, seek and procure food, maintain his right to it and to conquer even the Elements, for it must be remembered that from the lizard-like reptilia came the birds. And from the birds man received his inspiration to conquer the air, in which he has been successful, and in the same progressional manner as the remote originators of the birds. (Aves).

### "Offensive and Defensive Energy Complexes."

In the study of the Reptilia, we find the natural provisions for offense and defense developed. Opposed to the Tyrannosaurus was the Ceratopsia, or horned herbivorous dinosaur (related to the Stegosaurus and the Iguanodontia). Similarly the Tiger and Lion are opposed the horned animals. In the Human Kingdom to those who fight with the crude weapons of brute force are opposed those who fight subtly and successfully with the powers of mind and intellect. It is a matter of "Offensive and Defensive Energy Complexes." (Osborn).

### Antiquity of the Aves. Tetrapteryx.

Incidentally we may observe in passing that the birds originated in the late Permian or early Triassic times from a small "lizard-like reptile of partly bipedal habit and remotely related to the bipedal ancestors of the dinosaurs" and entered into a terrestrio-arboreal mode of life probably for purposes of safety. These ancient birds are known as the Archaeopteryx and had claws at the ends of the bones of the wings to enable them to hang from trees. The first form was the four winged, in which the hind legs evolved wings. As the power of flight evolved the two hind leg wings degenerated, the forearm wings developed as also the rudder functions of the spreading tail feathers. The four wing phase was known as the Tetrapteryx. The lateral scales gradually became transformed into long primary feathers.

Our principal reason for describing somewhat in detail these purely physical conditions pertaining to both the Lemurian and Atlantean Epochs is to enable the student to trace the

origins of so many traits and tendencies in the Human Kingdom which would be otherwise almost inexplicable.

### Study of Origins a Study of Consciousness in Evolution.

The study of such origins is really a study of the evolution of consciousness and reason. The latter term is often defined as "the faculty of the mind by which man draws conclusions, and determines right and truth. This is a definition not altogether satisfying to the Rosicrucian, for he knows that Mind itself is not as yet an organized or perfected vehicle and this is proved by the further definition that reason may sometimes be irrational and absurd. It is rather the ability to co-ordinate in the waking consciousness the impacts of sense perception.

#### Intelligence of Divine Origin.

However, it will be observed that each succeeding evolutionary step is an amplification, enlargement and development of the consciousness of the preceding stage of life expression, in which the natures, properties, attributes and tendencies are preserved and expressed with greater freedom and increasing orderliness and intelligence, for through all the stages of Life there is a certain latent, inherent intelligence, otherwise we should be obliged to postulate that the Absolute and its immediate Expressions, of which all life forms are primordially emanations, was unintelligent, which is unthinkable. The unfolding of consciousness is the unfolding of the Divine Intelligence and Reason.

#### How Consciousness is "Carried Over."

How is the consciousness of one Kingdom preserved and carried over into the next succeeding stage? It is effected through the persistence of the archetypal forms developed in the Thought-world under the Creative Hierarchs on the esoteric or spiritual side, and by the basic elements through which the life-wave manifests on the physical side.

#### Protoplasm and Chromatin.

In regard to the latter, the two principal factors are Protoplasm, which has already been mentioned, and Chromatin, of equal importance. As to which is the most ancient has long been a matter of dispute between biologists and bacteriologists, with the balance of favor resting on protoplasm. The latest investigations and researches into cytology and protistology seem however, to "indicate that CHROMATIN ELEMENTS REPRESENT THE PRIMARY AND ORIGINAL LIVING UNITS OR INDIVIDUALS" and that Protoplasm is the secondary product. Here, from an investigation of the purely physical side, we find the spiritual and the physical revealed in unity, as true Hermeticism teaches it should be found.

#### Earth Made For Man.

Many times has occult science affirmed that the Earth was made for Man, not Man for the Earth, except as heretofore stated, that Man might "dress the garden and keep it," that is, take charge of it after it was concreted for his use, and develop it for the future evolution of his own species in higher expression. Therefore, it is to be expected that without the spiritual element we should not look successfully for a physical origin. In Chromatin we find the Spiritual Unity. In Protoplasm we find the Physical Vehicle, and both will be found co-existent in cell formation from the earliest known stages.

#### Seat of Heredity.

From research into the functional and chemical separation of the Chromatin we now know Protoplasm to be the EXPRESSION, and Chromatin to be the SEAT of HEREDITY which is the modus of preservation and perpetuation of unit manifestations of the life-wave, and thus has a physicochemical basis.

### Distribution of Chromatin. —Protozoa and Metazoa.

Applying this truth to our knowledge of the cell, the nucleus may be said to contain the "physical basis of inheritance, and that the Chromatin is its essential constituent." According to Prof. Osborn, "In the development from unicellular (Protozoa) into multicellular (Metazoa) organisms the Chromatin is distributed through the nuclei to all the cells of the body." In this process, as Boveri has demonstrated, "all the body cells lose a portion of their Chromatin and only the germ cells retain the entire ancestral heritage."

#### Phosphoric Constituency.

#### The Visible Center of Energy Heredity.

The notable chemical characteristic of Chromatin, as compared with Protoplasm, is Phosphorus; again identifying it with the faculties of Man which depend to a large degree upon the phosphorus constituents of the organism through which consciousness is made possible. And as we should expect, we find that the chemical, molecular and atomic constituency of Chromatin is infinitely more complex than that of any other form of matter known to science. "It is the VISIBLE CENTER of the energy complex of heredity, the larger part of which is by its nature, INVISIBLE. Chromatin, although within our microscopic vision, is to be conceived as a gross manifestation of the infinite energy complex of heredity which is a COSMOS IN ITSELF."

#### Development of the Individual.

According to these findings, the continuous progress of the Life-wave since its first manifestation in Archaeozoic time is the progression of the physicochemical energies of the Chromatin; "THE DEVELOPMENT OF THE INDIVIDUAL LIFE IS AN UNFOLDING OF THE ENERGIES TAKEN WITHIN THE BODY UNDER THE DIRECTING AGENCY OF THE CHROMATIN (or Spiritual Principle in manifestation) AND THE EVOLUTION OF LIFE IS ESSENTIALLY THE EVOLUTION OF THE CHROMATIN ENERGIES."

#### Size of a Hydrogen Atom.

The lightest known atom is that of Hydrogen, with an average diameter of 1/100,000,000 of a centimeter, with negatively charged particles or electrons of about 1/1800 of the atom mass, traveling with velocities ranging from 10,000 to over 100,000 miles per second. Now the most compact type of Chromatin is the sperm-nucleus of the sea-urchin and is about 1/100,000,000 of a cubic millimeter in bulk. The sphere of activity of an atom is about 1/100,000,000 of a centimeter, or in other words 1/10,000,000 of a millimeter.

#### Chromatin a Miniature Cosmos.

Chromatin will thus be seen to be a miniature cosmos, including fiercely "acting, interacting and reacting" particles, an evidence of its tremendous power and potency.

Physical science admits its ignorance "as to how the Chromatin responds to the actions, reactions, and interactions of the body cells, of the life environment, and of the physical environment, so as to call forth a new adaptive character, unless it be through some infinitely complex system of chemical messengers and other catalytic agencies.

In studying the evolution of life upon our planet, we must keep constantly in mind the fundamental biologic law, that "the causes of evolution are to be sought within four complexes of energies, which are partly visible and partly invisible, namely:

## Fundamental Biological Law.

- 1 Physicochemical energies in the evolution of the physical environment:  
Selection and Elimination.
- 2 Physicochemical energies in the individual development of the organism, namely, of its protoplasm CONTROLLED AND DIRECTED BY ITS CHROMATIN:
- 3 Physicochemical energies in the evolution of the heredity-chromatin with its constant addition of new powers and energies:  
Incessant competition, selection, intraselection (Roux), and elimination between all parts of organisms in their chromatin energies, in their protoplasmic energies, and in their actions, reactions, and interactions with the living environment and with the physical environment.
- 4 Physicochemical energies in the evolution of the life environment, beginning with the protocellular chemical organisms, and such intermediate organisms as bacteria, and followed by such organisms cellular and multicellular, as the higher plants and animals.

## Inter-reaction Between the Visible and the Invisible.

In this tabulation by Prof. Osborn, the inter-reaction between the visible and the invisible is clearly apparent once the spiritual nature of the Chromatin is understood, and its office as a vehicle through which the directing energies of the Spiritual Powers guiding all evolutionary process is recognized.

## Algae as Earth-builders.

Thus the importance of Protoplasm and Chromatin as builders, preservers and perpetuators from cellular structure is shown, just as we also recognize the importance of true Algae as the "earth-forming powers of life."

## Chlorophyll.

As bacterial forms derive their energy from the geosphere or solid earth as distinguished from water and air, and also from the hydrosphere; the principal agent for seeking life in the atmosphere is Chlorophyll, which collects carbon from its union with oxygen in carbon dioxide. This it does by utilizing the energy of sunlight, and this power of the chlorophyll in algae is one of the most important operations in nature. All Color in the four Kingdoms is deposited by the forces which work along the negative pole of the Light Ether, and this is said to be one of the reasons why plants and animals have most color on the side turned towards the sun. It is also one of the agencies in furnishing their "camouflage" or protecting coloring to Animals, Birds and Insects.

## How Plants Respond to Light.

The power of chlorophyll is most ancient, and near the base of the Archaean rocks of the Adirondacks may be seen graphites formed from fossilized plant tissues. "The plant organ responds to the directive influence of the energy of the sun's rays" by a curvature which places it either in a direct line with the rays of light, as in grass seedlings, or at right angles to the light as in ordinary foliage leaves. "Of the light that falls upon a green leaf a part is reflected from its surface, and another part is absorbed. That which is reflected and transmitted gives to the leaf its green color; that which is absorbed, consisting of certain red, blue, and violet rays, is the source of the energy by means of which the leaf is enabled to carry on its work.

## Chlorophyll Photosensitive.

"Chlorophyll is a "very complex photosensitive system" and its action in the first stage "consists in the separation, either partial or complete, of negative electrons under the influ-

ence of sunlight" and the transformation of the energy of light waves into the energy of electrified particles and the initiation "of a whole train of chemical reactions resulting in the building up of the complex organic molecules which are the ultimate products of the plant's activity."

## Chlorophyll and the Spectrum.

According to Prof. Loeb, chlorophyll seems to absorb vigorously the light rays of the Solar Spectrum between B and C, the natures of which are most energizing, and again between F. Chlorophyll plant tissue consists principally of Carbon, Hydrogen and Oxygen, while the main object of bacterial life seems to be to seek Nitrogen.

## Coloring of the Red Sea.

The blue-green algae or Cyanophyceae are found almost everywhere in both fresh and salt water, on damp soil, rocks and bark and it is a notable and interesting fact that the red of this species is what gives to the Red Sea its characteristic coloring. The antiquity of the algae is shown by the fact that they are responsible for the formation of the ancient limestones some of which, at the base of the pre-Cambrian, being at least 60,000,000 years old.

## Human Embryo in Gestation.

The Human embryo in the process of gestation passes through all the phases of mineral, vegetable and animal life-expression structurally. It is this fact that makes it possible for the Heredity-Chromatin to perpetuate and transmit tendencies observable in the homo as pertaining also to the lower forms of life expression. Even in the higher forms of mammals, the heredity-chromatin "recalls primitive stages in the development of the fishes, for example, the gill-arch structure at the side of the throat, which through change of function serves to form the primary cartilaginous jaws (Meckelian cartilages) of mammals as well as the bony ossicles which are connected with auditory function of the middle ear. Similarly, profound structural ancestral phases in protozoan, fish, and reptile structure pervades every part of the mammalian body.

## All Primitive Processes a Preparation.

All these primitive processes were but the preparation for the great change that was to take place ere the evolution of consciousness from the trance, dreamless sleep and dream sleep stages could result in full waking consciousness and reason. This great change was the elevation of the horizontal spinal column through which the earth currents flowed in the lower kingdoms, to the upright position through which the spiritual currents could flow, connecting the latent consciousness of the homo with that of the higher and inner spheres of being, so that at last Man might awake, and become indeed "as one of the Gods."

## Oxyhemoglobin.

This change also meant the fuller development of the crystals of oxyhemoglobin, the red coloring of mammalian blood, a development which resulted in the gradual indrawing of the Ego into its human vehicles.

## Pituitary Gland.

The intimate relation between the Chromatin and the Pituitary Gland is to be noted in the human hand, and in this respect the hand is an indicator of the status of all the functions in the homo which are directly influenced by the condition and status of the Pituitary Gland.

## Human Hand. Brachydactyly.

Short, pudgy fingers, with almost no nails form the Congenital brachydactyly hand, and is due EITHER to a sudden alteration in the Chromatin or to a congenital defect in the Pituitary Gland, as Drinkwater has shown.

### Normal Brachydactyly.

The congenital brachydactyly is rather an extreme type and seldom seen. The normal brachydactyly is the rather broad hand, with "stumpy" fingers and short nails. This type according to Cushing is due to supernormal secretions of the Pituitary Gland. The brachydactyly is the hand of the worker and usually of the materialist.

### Dolichodactyly.

Subnormal secretions of the Pituitary Gland produce the Dolichodactyly or long hand with narrow, slender fingers. This type of hand is usually found among those who are termed "temperamental," which, strictly speaking is synonymous with lack of balance and self-control.

### Where the Pituitary Gland Originated.

The Pituitary Gland itself, attached to the brain, originated in our earliest fish and reptilian ancestors, and the activity through its office as a vehicle of the heredity-chromatin shows the persistence as to differentiation of proportion in the hands, feet and other parts of the human body today, as it showed in the examples cited of the gigantic reptilia.

### Age of Mountain Uplifts.

The changes in the earth's crust were vastly more extreme during the Mesozoic and Palaeozoic times, than during the Tertiary, the era in which the principal evolutionary processes of mammalian life were operative. Yet the Tertiary of the Cenozoic has witnessed many of the most notable mountain uplifts. The Himalayas belong to the Miocene; the Swiss Alps and the Pyrenees to the Oligocene; our Rocky Mountains to the Eocene, Oligocene, Miocene and Pliocene; the Sierra Nevadas to the Jurassic, while older than them all, the Appalachians with the White Mountains of New Hampshire commenced their uplift far back in the Carboniferous of the Palaeozoic, completing it in the Permian at the close of the Palaeozoic and the very beginning of the Mesozoic times.

### Corroboration of the North Pole Teaching.

These latter heights therefore were contemporaneous with Lemurian conditions and existed throughout the Atlantean times, as did also some land formations still extant at the North Pole. The Rosicrucian teachings of the beginnings of organic life forms at the North Pole is further corroborated by the "North Polar Theory" of Wallace, supported latterly by Matthew, that there was originally a northern land connection between the Eastern and Western Hemispheres during Tertiary time (at least) and that this land connection was explanatory of the principal features of *mammalian migration and geographical evolution.*

### Conscience.

Through all these long ages of evolutionary process, in the unfolding, development and expansion of consciousness, a subtle power was also germinated and developed, which finds expression only in the Human Kingdom, the subtle power known as CONSCIENCE. This is a powerful principle possessed by every human being from the lowest to the highest in some form or modification, colored by the contemporaneous ethics and concepts, morally, of races, locale and environment. It has already been stated that the purpose of human existence was to assimilate experience. Heindel has termed it the "feeling of past pain," a very correct definition. We may amplify this definition by giving it as the manifestation of the COSMIC MEMORY OF ALL PAST EXPERIENCE.

## Present Humanity Never Dinosaurs. Remote Origin of Conscience.

While we have shown many examples of the forms of life expression existent upon the Earth during previous ages contemporaneous with man-in-the-making, it must not be assumed that present humanity were once dinosaurs. These life forms belonged to another life-wave, which will in due time become ensouled in human forms, but present humanity belongs to a still earlier life-wave. Nevertheless, the development of Conscience began even in the present life wave long ages prior to man's awakening AS Man to the objectivity of the material or physical world. So also, in the activities of the earliest life forms known to science today, we may witness tendencies operative under the direction of the Group Spirits which are the prototypic origins of what will some day manifest as conscience when the existent life wave is humanly ensouled.

### How Conscience Acts.

The "conscience fund" of the Government is an evidence of the power of this vital principle, for in obedience to its dictates wrong doers are prompted, sometimes many years after, to make restitution for their transgressions. No man can escape his conscience. It acts always constructively. It approves a contemplated good work. It disapproves a wrong one. When one contemplates a worthy action, there arises a sense of justification that resulted from previous right actions in past incarnations and even more remote phases of evolution. When one contemplates or is about to commit a wrong deed, there arises within the cosmic memory the sense of pain which accompanied or resulted from error in the past.

### Conscience and the Panoramas.

This principle of conscience is made more and more permanent and effective in its operations by the panoramas already mentioned, one just after the death of the physical body and the other just prior to commencing the building of a new one for the next mortal expression. Another form of panorama is also noted in the flash of life incidents some times experienced by those who are drowning, falling from great heights, or about to be executed. This form is similar but of shorter duration to the panorama experienced just after death, and is due to the separation of the vital body (etheric) from the physical.

### Dimensions. Fourth, etc.

The transitional states of consciousness are really progressions from one dimension to another. We often speak of one, two, three and nowadays of the "Fourth Dimension." These "dimensions" are really amplifications of preceding states of consciousness. Consciousness in the mineral stage of evolution is locked, trance-like. In the vegetable kingdom the evolving spirit moves in one dimension only,—extent. In the animal Kingdom, its consciousness functions in two dimensions. In the Human Kingdom Man's consciousness cognizes three dimensions, length, breadth and thickness. The development of Man's consciousness to that of the comprehension of the spiritual planes amplifies to four dimensions, length, breadth, thickness, and—INTERPENETRATION. In other words, to the spiritual consciousness, the solids of the physical world interpose no barriers, and his consciousness is extensive not only in linear directions but in interior or internal and subliminal directions as well. The expression of this state has often been attempted in diagrammatic form by the construction of tesseracts or geometrical figures expressing not only linear figures, but of solids, cubes, etc. The bibliography of the Fourth Dimension Hypothesis developed along purely mathematical lines is voluminous and need not be discussed at further length herein. For those students who are interested in the mathematical exposition of this interesting and fascinating problem, we have previously published a diagram prepared by Frater Hyde, 9°. From the esoteric standpoint dimensions above three indicate that all dimensions are really states of consciousness both as applied to mundane and

supermundane conditions. And as there are many inner or interior world regions and planes, so there is a definite state of consciousness or "dimension" pertaining to each, consequently not only a "Fourth Dimension" but a fifth, sixth, seventh and still inner or "higher" dimensions as well.

### Interpenetration.

#### Karma.

The evolution of consciousness from its primitive states, and its secondary attribute, Conscience, brought about the establishment of another condition or state, known as Karma. This principle, Karma, we term the primary attribute, as it is really the first resultant upon the attainment of full waking consciousness. Waking consciousness may be termed the cause, Karma the effect. Conscience, as the secondary attribute is the means by which the homo may modify the effect.

### Law of Cause and Effect.

Karma, which is now known as a distinct Law of Life by all schools of genuine occultism, is often defined as the "Law of Cause and Effect" and in its operation is explained by the saying, "as ye sow, so shall ye reap."

### Personal Responsibility.

Karma is the personal responsibility for acts committed—

- a—Consciously,
- b—Unconsciously.

### How Operative.

Every act we perform, or thought we conceive, or word we utter has a direct and an indirect result. If the thought, word or deed is good, the result will be principally for good, allowing for a certain amount of error in judgment due to human fallibility.

If the thought, word or deed be wrong, the result will be wrong with a still smaller latitude for human error in judgment.

### Good and Bad Karma.

Results are what constitute the Karma of the person from whom the causes of the results originated. Good results mean good Karma. Wrong results mean wrong or so-called evil Karma. Each Life Expression is a page in our individual ledger showing the balance of good and bad Karma.

The amount of good Karma we accumulate helps to determine our status of advancement in the next succeeding incarnation. The bad Karma accumulated must be brought over with us, as a "balance forward" to our next ledger page, to be "worked out" if possible during that incarnation.

By endeavoring to live a life of good thoughts, good deeds and good words, we develop good Karma, and by our inattention to this law, and on the theory that we "live one life at a time" indulge in all the appetites of the flesh, accumulate a store of bad Karma that may require many incarnations to work out in pain and suffering.

### Law of Consequence or Compensation.

This working out of the Law of Karma is, in its operation, the Law of Consequence or Compensation, for as we are also told in Scripture that we must pay the "utmost Farthing" so in very truth we must pay every Karmic debt, and from this accounting there is no escape, nor can riches or coldly scientific benefactions reduce the account one jot or tittle.

### Parable of the Talents.

The Law of Karma and its accompaniment, the Law of Compensation, is the real basis of explanation for all the seeming inequalities of human life, why the rich man is unable to be happy, why the poor man oft-times has a happiness envied by the rich, why the youth born to affluence turns out an apparent degenerate, why the poor boy rises from obscurity to eminence in the seats of the mighty, even to the rulership of a nation. It is the exemplification of the Parable of the Talents, that to whoso hath been faithful over a few things, will be given rulership over many things.

### How It explains Exceptional Cases.

In the cases of those who may be confirmed invalids without any apparent reason for such a condition, and apparently not amenable to medical treatment, impossible of correct diagnosis, we would find on looking into their status psychically, that the cause lay in their neglect of important physical functions during a previous incarnation, as a result of which, they built the vehicles for the present incarnation imperfectly, and must suffer the penalty for such neglect.

In the case of a truly good man, generous, yet who seems never able to get ahead and succeed in life, we shall find the same solution in his Karma.

### Where Karma Begins.

Up to a certain point in human evolution, Man is unaware that he is under any such laws, but after attaining a certain definite intellectual status, where, under his existing moral code and ethical system, he is expected to and does know that he should obey the laws relative to right and wrong doing, he learns from objective conditions that for every offense there must be punishment; that if he escapes it at the hands of his fellowmen, he cannot escape it at the hands of his conscience, and as he progresses in intellectual and spiritual unfoldment, he also learns that his responsibility is not confined to his own acts as they relate to himself, but also as they relate to society, and finally as they will relate to generations who shall come after him. Thus he becomes amenable to the Law of Karma on the physico-intellectual plane, and as he gradually develops his spiritual insight and learns of the Law of Karma and Compensation as actual conditions, he sets to work to eliminate his past Karma by full, free, and frank recognition of former error, a sincere desire to make full restitution if possible, and finally to develop a greater balance of good Karma by engaging in a life of Good Thoughts, Good Deeds, and Good Words.

### Restitution Necessary.

#### Shown in After Death Panorama.

It is most important that this Law of Karma and the Law of Compensation (that we must make restitution in some adequate way for every leads to light and life, with freedom from this not only does it concern those conscious acts, either right or wrong, that we commit daily, but also does it concern those acts committed UNconsciously. Words or deeds spoken or performed even in jest, may oft times be the causes of unhappiness to others whom we may not know of. Yet as we were the causes of their unhappiness, WE are responsible therefor, and by the Law of Compensation must make restitution when the knowledge of such unhappiness comes to us even through the after death panorama, for then we shall see our lives clearly, not alone all that we may know of them consciously, but the multitudinous incidents that we were not mortally cognizant of. While it may not be possible for us to make restitution personally to the ones who suffered at our hands unconsciously to us, we must nevertheless by becoming conscious of the incident, nullify its astral activity by redoubled efforts in the next incarnation toward right thought, right action, and right feeling.

### Guardian of the Threshold.

It is this very Law of Karma that brings us face to face as it were, with the GUARDIAN OF THE THRESHOLD, that principle so frequently mentioned by occultists and mystics, yet, regarding which, so many conflicting theories and explanations have been offered.

The Guardian of the Threshold is not necessarily met with by those who simply develop spiritual clairvoyance, unless they chose to do so, and if they are at all instructed, it is a condition which few care to undertake to meet willingly.

### When Met.

Generally speaking, there are two distinct occasions when the Guardian of the Threshold is encountered:

- 1st. After death, if the individual is sufficiently advanced to understand spiritual conditions. Otherwise it comes to such as a demoniacal influence in accord with the evil powers commonly taught by popular theology.
- 2nd. As a test in REAL initiation, not the initiation of degrees in a mortal school, but the inner, spiritual initiation into the actual mysteries.

### What the Guardian Really Is.

The Terror or Guardian of the Threshold IS THE EPITOME OR KARMIC ACCUMULATION OF THE CONCRETED THOUGHT FORMS OF OUR INDIVIDUAL BAD KARMA, and takes the form principally developed by the major aspect of our hidden thoughts. If the thoughts have been sensual, the Guardian will be a sensual monstrosity, and similarly according to whether our thoughts have been vicious, brutal, malicious, revengeful, envious, covetous or idolatrous.

### Fear.

The terror comes from our FEAR at meeting face to face—OURSELVES—as we really have been predominantly, unknown to our fellow-men. Our ability to pass the Guardian depends upon the amount and strength of our good Karma, and the consequent courage we possess, in meeting

### College Notes.

It is a pleasure to announce that on Friday evening, January 16th, Mizpah College, S. R. I. A., was formally instituted in the city of Spokane, Wash., by Ill. Fr. Phaedrus, VIII<sup>o</sup>. Fr. Vespasian, O<sup>o</sup>-O<sup>o</sup> is the first Worshipful Adept.

Fr. Phaedrus, VIII<sup>o</sup>, Representative of this High Council for the Pacific Coast Province, was welcomed in the N. of Metropolitan, Friday evening, February 13th.

Wor. Sr. Metella, Past Adept of West Gate College, San Francisco, was welcomed in Metropolitan at the last Convocation. This is her second visit to the Mother College.

Thru the courtesy of Sr. Metella, we call attention to an error which occurred in Mercury, Vol. 4, No. 5. On page 24 the first Atlantean cataclysm is given as occurring in the Miocene Period. This is the result of an error in transcription. It should have been given as the Pliocene.

All questions and matters regarding subscriptions to Mercury should be referred to Sr. G. E. S. Miller, who may be addressed at 712 West 180th Street, New York.

All matters relating to non receipt of Instructions in the Alchemical Section should be referred to Fr. H. V. A. Parsell, 122 West 81st Street, New York. Much valuable time will be saved if the members will observe these two notices and address their queries direct to the ones whose names are given.

At the last Convocation, the ritual was splendidly rendered by the regular officers of Metropolitan, and five Aspirants were Recognized as Neophytes. The five will be known to the Fraternity as follows:—Mrs. L.L.M., Valeria; Miss F.H., Scientia; Messrs. A.H., Clausius; R.A.B., Paternus; Mrs. R.A.B., Voluntas.

## Directory.

The One Hundred and Eighteenth Stated Convocation of Metropolitan College

S. R. I. A., will be held in the Adytum, 310 Lenox Avenue

Between 125th. and 126th. Streets, opposite 125th. Street station, Lenox Ave. Subway.

Friday Evening, March 12, 1920, at 8.00 P. M. precisely

### Work:

Neophytes' Class ..... Instructor V. Wor. Fr. Reficio IX<sup>o</sup>

Elementary Rosicrucian Philosophy, No. 10.

Subject: "Lemuria and Atlantis. Early Transitional Forms."

This Class will meet at 8 P.M., on Wednesday, March 17, in Room 1429 Masonic Temple, 24th St. Take Elevators from 24th Street entrance.

Junior Hermetic Class.....Instructor, Rt. Wor. Fr. Paracelsus IX<sup>o</sup>

Subject: No. 8, "SANCTIFICATIO."

Senior Class. ....Instructor. Fr. K.

Subject: "THE AKASHIC RECORDS."

### The Theological Class

Convenes on the 1st and 3rd Thursdays of the month at 712 West 180th Street at 8:30 P.M.

March 18th—Prophecies of the Old Testament fulfilled in the New.

April 1,—Comparative and Harmonic Study of the Four Gospels.

### Astrological Class.

Sr. Progressia 9<sup>o</sup>-2<sup>o</sup>.

2nd and 4th Tuesdays. 712 West 180th Street.

CLASS CONVENES AT 8:00 P. M. PRECISELY. PLEASE BE PROMPT.

### Masonic Notices.

THE TWENTY-EIGHTH REGULAR VOYAGE AND DINNER OF METROPOLITAN LODGE, NO. 1, ARK MARINER MASONS, will be held Wednesday evening, March 10, at the Au Coq Gaulois, 32 West 57th Street, Manhattan, at 7:30 o'clock.

### Declaratio Obsequii.

Metropolitan College acknowledges allegiance to the Magi and Officers of the High Council of the Societas Rosicruciana in America and Affiliated Councils, as the Sovereign Source of the Rosicrucian Art in the United States of America. The House of the S. R. I. A. of this Obedience is at present situate in the the City of New York.