

# HUMAN CULTURE

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# HUMAN CULTURE

Vol. 8

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## DISEASES, THEIR CAUSES AND CURE, EXPLAINED PHRENOLOGICALLY.

A series of articles written in the interest of phrenology, doctors, nurses, healers, Christian Scientists, physical culturists, dietists and others being interested in health and disease, etiology and pathology.

Written by V. G. Rocine, Doctor of Science.

### PNEUMONIA, ITS CAUSES AND CURE.

The main causes of pneumonia are weak circulation, lungs and medulla. But there are many other causes of pneumonia, and many different kinds of pneumonia as well, therefore also it is necessary to understand what kind of pneumonia a person is suffering from.

Septic pneumonia is caused by septic emboli, and in babies septic pneumonia may be caused by inhaling the maternal fluids during times of delivery.

Lobar pneumonia is caused by germ life, such as the Lanceolate bacillus, the streptococcus, the staphylococcus pyogenes.

Purulent pneumonia is caused by inhaling matters containing pyogenic micro-organisms.

Necrotic pneumonia is caused by pulmonary disorganization, caused by a diabetic condition of the system.

Adynamic pneumonia is caused by debility of the organization, depression of the circulation and lack of nervous impulse.

Hypostatic pneumonia is caused by a weak circulation and by inhaling particles of food and other substances detrimental to the lungs.

Alcoholic pneumonia is caused by drinking.

Syphilitic pneumonia is a result of syphilis in the lungs, caused by sexual excesses, or promiscuous association and bad habits.

Senile pneumonia, or broncho-pneumonia, is caused by a collection of phlegm in the lungs, that the aged patient is unable to expectorate because of physical weakness and a low action of the medulla oblongata.

But unless the medulla oblongata is weak, the circulation poor, the lungs poorly developed and the blood sluggish and poor, odors, germ-life and other detrimental agents will not effect the lungs to any great extent, except under extreme conditions. If a person is in a good state of health, if his blood is alkaline and healthy, if his circulation is good and if his lungs are well developed, he is not subject to pneumonia. There are some people who are in danger of pneumonia at any time, simply because their lungs are weak and because the medulla is not able to perform its function.

People of a lymphatic temperament, poor lungs and circulation and a weak condition of the sexual system are usually subjects to pneumonia and lung trouble.

Such people, in times of health, are usually lean, or else phlegmatic, dark and sluggish. The circulation has no tone. When they are of the motive temperament, they have a long face from the eyes to the mouth; they have thin lips, an angular face, a weak development of the nutritive faculties, located in front of the ears. Their complexion is dull and muddy. The skin does not have that healthy red glow, produced by the first class arterial circulation, by abundance of oxygen in the blood and by a sufficient number of the red corpuscles of the blood. Their sexual power is low and their blood is full of impurity.

### Symptoms of Pneumonia.

The preliminary symptoms of pneumonia are listlessness, languor, aching of the back and limbs, sense of weakness, inability to take deep breaths, symptoms of catarrh or common cold, chilliness, attended with an uncomfortable sense of tightness in the chest, dulness of the head, etc. As the sickness goes on, there are symptoms of febrile, excitement, headache, throbbing of the heart and arteries, increased heat of the skin, either general or partial, dull pain in the chest, usually only on one side; sometimes there is acute pain, which appears to be immediately under the ribs, which arises from a part of the pleura, or that membrane which lines the ribs and forms an outer covering to the lungs, caused by inflammation of this membrane. This membrane possesses great sensibility, and when inflamed gives acute suffering, the patient feeling sharp or lancinating pains every time the ribs are moved in breathing; but the substance of the lungs possesses very little sensibility; hence inflammation of them causes only a dull or aching pain.

When the lungs only are inflamed, the disease is called pneumonia, and when the pleura only is effected, it is called pleurisy; and when both are involved it is known as pleuro-pneumonia.

There is always, in the first stage of pneumonia, great deal of coughing. At first this will hardly call attention, either from the patient or from friends, but as the disease progresses it becomes harassing, being dry and almost incessant.

Pneumonia can best be cured before it gets good hold. It should be attended at once. No person can afford to let a cold go on from time to time. It should be broken up at once. He should breathe as much as he possibly can. It is easier to prevent pneumonia than it is to cure it. The capillaries of the skin should be called into action and the pores of the skin opened by vigorous physical culture exercises, by hot baths and by massage. The patient should improve his blood by eating vital food. He should increase the corpuscles of the blood by eating good nourishing food, by breathing plenty of fresh air and by cultivating an optimistic state of mind.

There is nothing that is so necessary for a person to do, when he is subject to consumption, pleurisy, pneumonia, bronchitis, anemia, hemorrhages and other disturbances of the lungs and circulation, than to breathe deeply and to eat vital food. It is vitality that prevents a person from becoming sick. It is the medulla oblongata that keeps the heart going, the lungs in action and the blood in motion, so that the river of life can float the cells of vitality to all the parts of the system, in order that each part may be reconstructed and useless material eliminated.

The stronger the medulla is, the stronger is the heart, lungs, arteries and veins. As long as the medulla is in a good state of health, the heart beats, throbs and pulsates and the blood current is active in every part of the system. It is the medulla that keeps the heart beating before birth and keeps it going until the thread of life is spun and the eyes glazes in



death. When the medulla is weak, the heart is weak and the lungs are feeble. When the medulla dies, the heart stops its motion and no human invention can set the machinery of life in motion again. Thousands of people have gone to their death, even in the flush of health, simply because the medulla was injured, causing the heart to stop.

It is the duty of every man, woman and child to develop the vital brain centers, by some system of culture. Development of the vital centers is life culture, and life culture is the duty of every man who wishes to perform his mission in life nobly and who wishes to prepare for eternity. When the energies of life are left to themselves, they drift to weeds, it matters little whether these energies of life be contained in the plant, or in the animal, or in man. Nature does not take care of man; he must do something for himself. Weeds thrive where the hand of culture is not at work. A flower garden depends upon care. Let it drift for a short time and a mass of weeds will choke the beautiful flowers and drink the sap of the roots. When the vegetable kingdom is not guarded by the intelligent hand of culture, it is attacked by enemies whose mission it is to destroy. When the fruit is not protected, it is slain by microscopic enemies. When the milk is not protected, germ life grows by the thousands. Leave the bread unprotected and it molds. Leave the meat standing, and it decays. If you do not care for your teeth they decay. If man does not do something for himself, his skin becomes wrinkled, his flesh shrinks, his bone dry and harden, his heart weakens, his blood becomes impure, his brain shrinks and his lungs are attacked by germ life, poison, bad odors, growths, impurity and lack of respiratory impulse. The best time to work against consumption and pneumonia is when man is healthy. Not many people breathe as much as they should. Breathing is the most sanitary function in man. By deep breathing, the medulla is strengthened and the lungs are developed. To breathe deeply and eat good nourishing food is to counteract consumption and pneumonia.

A man who is subject to pneumonia and consumption should breathe, breathe. Pneumonia reduces the desire for breathing to the barest minimum on which life can be supported. But the patient should try to hold full breaths of air. Air will dislodge phlegm in the lungs and bronchial tubes, rendering the progress of pneumonia impossible. The lungs should be filled and the air held and then forced out through a pipe-stem, so that the air will enter the upper parts of the chest, and thus prevent the filling up of the lungs. Hot fomentations should be applied to the chest, both in front and behind, or else hot plates should be applied to the chest. Red pepper is of some importance, as it stimulates the vital organs and especially the cerebellum and the medulla, and creates action in the capillaries of the skin. But the most important is breathing. Breathing is the best cure for pneumonia.

#### A VERY INTERESTING CASE OF A MAN'S EXPERIENCE AFTER HE WAS DEAD AND BURIED.

Written by Himself.

"I was taken with typhoid fever, which exhausted my strength. Strange to say, it seemed to me as if my life, in gradually leaving my body, were retiring within my mental faculties. Arrived at the extreme point of physical weakness, I felt myself mentally stronger than before. The moment of disease arrived; I found myself carried up in a vortex of light, in the midst of which there were many fantastical forms. With all my power I clung to the life that was about to depart, and soon I lost all sense of being.

"I do not know how long I remained in that state, when I suddenly awoke to a condition of almost static tranquillity. At this moment I heard the physician who approaching my bed

say: "All is over." He then covered my face with a cloth, and I heard only the sobs of my family. I attempted to speak, but found my tongue clinging immovably to my palate, and my limbs were as if bound by invisible chains, so that I could not make the least movement or sign.

"On the next day they dressed me for funeral, and for three days I was exposed upon a bier, while the friends of my family came and offered them their sympathy. I heard and understood everything that was said and taking place, and from minute to minute I hoped that this unfortunate state which weighed me down would end.

"On the morning of the fourth day they turned me over to the undertaker, who treated me with revolting brutality, and as one of them applied his knees to my breast, for the purpose of forcing me into the coffin that was somewhat too narrow, I experienced such a cruel torture that for a moment I hoped that the pain would give me the strength to express it. However, they closed the coffin, and soon I heard the crashing of wood as they drove in the nails in fastening the lids. It is impossible for me to find words suitable to describe my horror and despair. Each stroke of the hammer made my whole frame tremble. Oh if I could have only cried out, or even given a sigh! But no! While my breast and shoulders were crammed into that narrow box, and while I experienced a sensation as if head and limbs were being torn asunder, I had to remain motionless and mute. I would never have believed that a heart could suffer so much without breaking. Soon the coffin was taken up and put into a hearse, and we arrived at the graveyard.

"At this moment I made one last effort to cry out, but in vain. I felt the knocks of the coffin striking against the walls of the grave as they were letting it down.

"The well known voice of a friend addressed to me some words of endearment and praise, and I understood every word he said; all of which only caused my despair to increase in this hopeless situation.

"After the sermon a thousand thunders crashed around me; it was the earth and stones thrown down upon my coffin; and as the grave was being filled I thought myself shut out forever from the world of the living. I was buried.

"My hope was that I should not have to suffer long, and that suffocation would soon put an end to my horrible situation. I was again disappointed. My lungs were paralyzed and used no air; my heart did not beat; my breast was not stirred by any breath; I could not move a finger, and, nevertheless, I lived, for I suffered, my reason and memory were intact, had lost nothing of their energy.

"For many hours I must have been in this state when my anguish was interrupted by a faint scraping sound which came nearer. I knew that my coffin was being exhumed and taken up. I felt that they opened it, and experienced a sensation of penetrating coldness. They carried my body for a long distance and finally dropped me on an ice-cold slab.

"Soon after I heard the sound of many voices; hands touched me, and as it happened that someone raised the lid of one of my eyes I saw myself in the amphitheater of a dissecting room in the midst of a great body of students. Among them I recognized two of my comrades in school.

"It was resolved first to galvanize me. They prepared the apparatus, and at the first discharge of electricity, it was as if a thousand sparks were dancing before my eyes, and my whole system was shaken. At the second discharge every one of my nerves trembled like the strings of a harp and my body rose to a sitting posture, with stiff muscles, open and staring eyes. They extended me; again the professor approached and made a light cut through the teguments of my breast. At this moment an enormous change took place in my whole body. I succeeded in crying out; the bounds of death were separated, and I returned to life.



## ANTHROPOLOGY.

## A Woman who Lived and Died 30,000 Years Ago.

The fragments of the skull of a woman who lived 30,000 years ago was discovered in Switzerland a short time ago. She was a woman of the Stone Age, the period of the world preceding historic man.



*Woman of the Stone Age.*

These fragments are unquestionably of the oldest human remains that have come to light. They, therefore, constitute the most valuable memorials of the human race that science has to deal with.

The discovery was made in the marine strata on the shore of the lake of Neufchatel. It was in this bed rock, beneath the layers of soil and pebbles, that a distinguished German archaeologist found the fragments of a human skull. They consisted of:

- Upper and lower jaw bones.
- The vaulted dome.
- The temporal bones.
- The bones at the base of the skull.

When he put these bones together he was astonished and delighted to find that he had the complete skull of a human being belonging to the Stone Age. Upon closer examination he became convinced that he had in his hands the skull of a 30-year-old woman.

He was led to this conclusion by the marks known to all anatomists, for it is easy for an expert anatomist to determine the age of the former owner of a skull from the quality and development of the bones in it, or, in fact, from a single bone. This is the first woman's skull belonging to this ancient period ever discovered.

He knew that the covering of skin and bone on the human head is comparatively thin in many parts. The forehead and cheek bones are barely covered, and the lower jaw has a thin layer of flesh over it. In fact, those outlines which give the shape of the head are evident in the naked skull. So that, from the anatomical point of view, the task was not difficult.

Having determined to reconstruct the head of this woman as it must have been in life he called to his aid a gifted historical painter and sculptor, and together they set about this highly interesting and unprecedented work.

Measurements of the thickness of the skin and flesh on the head of dead and of living women of thirty years of age were made. Even the relations of cartilage to bone were carefully studied and measured.

After this preliminary work a perfect reproduction of the ancient skull was made in plaster of paris. The cartilage of nose and ear were supplied, and the layers of flesh were built up according to the previous measurements, out of plaster. The whole was finished and rounded off with modelling clay, and the result was a perfect model of the head of the most ancient woman on earth.

The process of reasoning by which it is possible to assert that this is the oldest human skull ever found is in the nature of an exact science. The same sort of reasoning is supported by the study of geology in determining the formation of these strata of the earth. It is by an examination of these strata that the history of the formation of the earth and the different plants and animals that have been on it is ascertained.

Geologists tell us that at least 100,000,000 years have been consumed in the construction of the rock layers of which the earth's crust is formed. Traces of vegetable and animal life are found in the strata, especially in the later layers. The last layer, the Pleistocene, was 270,000 years in forming, and it is in this strata that the remains of the woman of the Stone Age have been recovered.

These remains are generally only stone implements, or scratchings on bone or ivory. Preservation of human skeletons depends so much upon accident that few have ever been found. The deposits which contain the history of the human period are cavern loam, river alluvia, and lake bottoms, like this one near the lake of Neufchatel.

It is well known that the rivers and lakes were much larger than at present just after the glacial or ice age, and this explains the finding of the skull of this woman of the long ago in so perfect a state of preservation.

It is probable that this woman died and was buried near the ancient lake. During some violent storm the soil was washed away from her grave and the round skull was rolled into the lake itself by the streams of water. There it sunk into the soft bottom and thus was preserved entire or broken up, but not scattered.

The bottom of the lake, in process of time, filling up, the lower layers in which the bones of this skull were formed into stone, and as the lake receded in course of thousands of years, what was once its bed became dry land.

How old, then, is this skull? In answering this question it must be borne in mind that the historic period of mankind is the shortest one in the life of the earth. The Pleistocene era, in the strata of which the skull of this woman was found, lasted 270,000 years. It is true that her skull lay in the upper section of this strata, but a fair estimate of all the surrounding conditions has justified the belief that this 30-year-old woman lived at least 30,000 years ago.

It is, of course, impossible to determine precisely the date at which she lived.

Thousands of years are nothing to the geologist who stands face to face with processes in earth formation which required

*Continued on page 215.*



## THE BRAIN AND ITS FUNCTIONS.

### A SERIES OF ARTICLES EXPLAINING THE FUNCTIONS OF ALL THE MENTAL FACULTIES.

By V. G. ROCINE, Doctor of Science.

Written at the Request of Readers and Students of Human Science. Commenced in August, 1903. Continued from Month to Month.

#### CAUTIOUSNESS.

Cautiousness belongs to the Affective Class and that group of faculties which we call the Industrial Group. It is mainly speaking an instinct of industry—in its own way, of course.

##### Location.

Cautiousness is located in the Parietal lobes of the brain,



Location of Cautiousness.

in the supra-marginal convolution, bordering on the angular gyrus. In an ordinary head, of a motive type, Cautiousness is located about four inches above the opening of the ear, straight up and one inch back. It is situated under the eminence of the



Cautiousness Weak.

parietal bone. When it is very large, it interferes with the fitting of the hat. The head is usually largest at the point where Cautiousness is located. The brain itself is ovoid in shape, the largest part being in the vicinity of Cautiousness.

##### Function of Cautiousness.

The normal function of Cautiousness is to inspire prudence, protection, vigilance and care. When Cautiousness is active, it leads to self-protection, not by fighting and rushing into danger, but by keeping out of danger by preservative methods.

Cautiousness gives circumspection, apprehension of danger and desire for safety. It prompts the mind to prepare against emergencies, difficulties and future wants.

It is the soul's guard. It is an important instinct of self-preservation. It is a faculty of the future and when it acts with Casualty it leads to circumspection, deliberation, forethought and consideration. It is an ever-whispering sentiment, inclining a person to look into things and to plan ahead. "Beware! Watch out! It is unsafe! It is risky!" Such sentences are products of Cautiousness. It is the spirit of warning. It prompts the mind to keep out of danger. Cautiousness is always interested in safety. It does not believe in war, difficulties, disturbances and unsafe things. It is a preservative instinct, precautionary, preventive and prudential. When it acts with Vitativeness and the social faculties it believes in life insurance, accident insurance and other methods or investments of self-preservation. Then it builds fire escapes, life-boats, life-preservers, torpedo boats, submarine apparatus and other preventives, especially is this the case when Destructiveness also acts with it. It is interested in all kinds of safety apparatus in machinery, motors, elevators, on trains, or street cars. It is necessary in the handling of delicate glassware and fine fabrics. It is interested in prudent surgery. It is necessary in engravers and accurate scientific workers. It takes an interest in adjustment, inspection and sanitation. It is one of the bookkeeping faculties. It must be large in recorders, bookkeepers and business men. Nurses and doctors are strongly developed in Cautiousness, Vitativeness, Parental Love, Benevolence, Human Nature and Destructiveness.

When Destructiveness acts with these faculties, a man becomes more prudent in the preservation of life and in the protection of himself. It keeps a person out of imprudent enterprises, perilous situations, hazardous undertakings, unsafe investments, risky performances and insecure commercial speculation. It makes man prudent in action, word and deed.

Cautiousness is pleased when a person is safe, but anxious when he is in danger. When Cautiousness acts with Destructiveness and Spirituality, the mind is troubled and a person senses evil. He becomes prophetic, as it were. He can almost tell as though by intuition a coming sickness, trouble and misfortune. He studies the evil side of life. He is alert and apprehensive. He can foretell evil happenings.

When it is unduly strong and active, it clouds the mental horizon and fills the mind with false feelings of anxiety, apprehension and worry. If Combativeness be weak and Cautiousness very strong, the mind is filled with dread of the future and in times of danger it fills the mind with gloom, consternation and confusion. If Vitativeness and Destructiveness are then very large also a person is irresolute, cowardly, hesitating, peevish, agitated and sad. Then it interferes with digestion and fills the system with biliary products. Then a person will be afraid to act because of gloomy impressions and imaginary fears. Then everything seems unsafe and useless. Then it takes enterprise out of the mind. Then a man feels that danger is ahead. He complains and broods over his condition and feels that hard times are ahead. He argues that everything is impossible and useless; he studies sad conditions of life. He is afraid of investment and prefers to work at a stipulated salary and buries his money in the earth. He does not use his talent wisely.



On the other hand, when Cautiousness is too weak and Combativeness, Self-Esteem, Hope and Sublimity are very strong, a man becomes heedless, rash, hasty, imprudent, thoughtless, venturesome and foolish. He is a man of accidents, hazardous undertakings and foolish speculation. He will feel that everything will terminate favorably. His mind will be filled with a false feeling of safety and he exposes himself to dangers of all kinds. He leaves himself, his home, his family, his productions, and all belonging to him unprotected. He acts too quickly. He decides unwisely. He invests foolishly. He buys in a heap. He eats too fast. He talks and argues until he uses up his vitality too much. He handles trains, elevators,



*Expression of Active Cautiousness in Connection with Strong Destructiveness and Weak Hope.*

glass, explosives, tools and property without deliberation. He causes trouble and accidents wherever he goes. He rides frisky horses. He runs in front of moving vehicles. He is full of speed, failure and accidents. He is unsafe for the public. He handles the public fund foolishly. He bankrupts himself and others. He does not prepare himself for emergencies. Neither does he look out for a rainy day, old age and sickness. Evil, danger, accidents and trouble befall him wherever he goes. He cares nothing for industry in a prudent sense.

Acquisitiveness is an industrious faculty, but Cautiousness, Secretiveness, Vitativeness and Alimentiveness are also industrious faculties. They are the keeping, holding and saving faculties. Cautiousness is interested in the prudent use of things which is also the case with Conscientiousness and Veneration. Therefore every person strong in these is industrious and responsible for his every act. Cautiousness makes man providential through fear of future wants. Cautiousness, Acquisitiveness, Conscientiousness, Veneration, Vitativeness and Secretiveness lead to prudent economy. Every man strong in these is interested in domestic and national economy. Cautiousness is the safety-seeking instinct. It is not true that Cautiousness is the only faculty of fear. Other faculties are capable of fear also. Vitativeness fears death and sickness, whether Cautiousness is strong or not. Parental Love entertains solicitude for children and life in its tender stages. Conjugality fears that it shall lose its love mate and her association. Approbativeness and Self-Esteem fear scandal, loss of liberty and dishonor. Veneration fears eternal perdition and sin and dishonor. Conscientiousness fears law. Inhabitativeness fears the loss of

home. Acquisitiveness fears failure and bankruptcy, and so with other faculties. The function of Cautiousness is to seek safety and keep out of danger. It leads to self-protection and self-preservation. It is interested in the future. When a person is strong in Cautiousness, Vitativeness, Parental Love and Veneration, he is interested in schemes of future salvation. When Cautiousness is too strong a person cries easily, he hesitates, his mind is clouded, he is apprehensive of danger. If Cautiousness, Destructiveness and Approbativeness be too strong, and Combativeness too weak, a person loses nervous energy at every step. He suffers from nervousness, nervous prostration, unnecessary fears, palpitation of the heart, false alarms, shuddering. It is the faculty of out-cries, women as a rule are too strongly developed in Cautiousness and too weak in Combativeness. This is the reason that they cry and run, in times of danger. Men on the other hand are stronger in Combativeness, Destructiveness and the muscular impulse; this is the reason that they fight when it is a question of opposition or danger.

#### INFORMATION REQUESTED REGARDING THE REASONING DEPARTMENT OF THE BRAIN.

*Dr. V. G. Rocine,*

"I have been a subscriber to Human Culture for some time and are much interested in its excellent articles.

"I have often thought that, if anyone could point out the real differences between the functions of Causality and Comparison, you would likely be the one to do so.

Prof. W. H. T., Canada.

#### FUNCTION OF COMPARISON.

Comparison is the Faculty of Induction.

Comparison enables us to generalize facts and to read lessons from them. It helps to form ideas, images, pictures and tropes, thus helping the compiler, poet, writer and orator to arrange, form, remember and use parables, metaphors, comparisons and real or imaginary expressions of resemblance and contrast. It is essential in personification, and is the heart and soul of tropology. It helps to establish harmony in the operations of the mind by judging and comparing feelings, desires, emotions. It enables man to ADAPT according to conditions and demands. It sees the appropriateness of resemblances, habits, things and colors. It perceives that black colors are out of place at a wedding. It judges according to resemblances, and enables the mind to conclude accordingly. It reasons inductively and says: if fire burns one man, it will burn another; if one man cannot eat arsenic, wood and stone, none can; if one fire gives heat, another does also; if one man dies, another dies as well; if the sun rose in the east yesterday, it will rise there to-morrow; or in other words, it PERCEIVES UNIFORMITIES, the repetition of phenomena.

Through it, man ranges animals, races, plants, etc., into classes and orders. It discriminates analogically, and judges the differences perceived by the other faculties. It sees class resemblances, and deals with data in a general and collective sense. It says that since that is so, this must be so. It compares ideas expressed by one speaker with those of another, and detects errors by comparing the different statements. It places doctrines, paragraphs, systems, standards, laws and rules in relations and reads lessons from these analogical comparisons.

The faculty of order likes order but comparison arranges according to specie, kind, color, class. Comparison draws distinctions in data and classifies them. It assort words by comparison and selection. It presents difficult and abstract truths

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# HUMAN CULTURE

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Human Science  
Human Culture  
Human Health

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Human Success  
and  
Human Happiness

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These Lessons teach you the Science of Character Reading,  
the Science of Life and Health, and How to Understand and  
Manage People. Open to the Public. ADMISSION 10c.

## PREPARATIONS FOR CHRISTMAS IN AN AVERAGE MIDDLE-CLASS HOME.

An article entitled "Let the Children Make the Christmas" has reminded us of the mode of procedure practiced by the ordinary middle-class household and for the purpose of warning, we will draw attention to the manner of preparing for Christmas in the ordinary middle-class household.

Every one is thinking of the pleasure in store. There is expectancy in the air. Children are expecting presents—new skates, dolls, marbles, books. Father is looking forward to a holiday from business and a fine dinner; the young lady of the house is in a fever of anticipation to know what is to be prepared for her—maybe it will be an engagement ring; grandparents and the older people enjoy the season in expectation of its general cheerfulness, peace and harmony. All is pleasurable excitement.

But let us turn now to the mistress of the house, the wife and mother. Upon her rests the responsibility of it all. Her husband, a few weeks before Christmas, hands her the amount of money that he can afford to use for Christmas purposes,

and then his duty is supposed to be done. It remains for her to plan presents for her own immediate family, also children, cousins, aunts, parents-in-law, etc., innumerable. Then she spends many weary, nerve-wrecking days among the pushing, hurrying crowds in a department store. She sits up late every night dressing dolls and making things, while the others are asleep. In the meantime she has her regular duties to perform. Then, as the great day approaches, she must clean the house from cellar to garret, for she has invited about a dozen or more of her husband's and her relations to have Christmas dinner. The house must be decorated with wreaths and holly and the Christmas tree trimmed. Here the husband, with a conscientious spurt, takes a hand and helps. And now the almost exhausted woman, with nerves keyed to the straining point, is harassed with fears that Jamie may not like his present and that Mary will be disappointed. At last, at about 2 o'clock in the morning, with aching head and bones, the tired mother seeks rest, but she is aroused at the first light of day by the noisy and excited children and she arouses herself to get breakfast over and an early start for dinner. She has to help dress the children and brighten up her own appearance at the same time the dinner is being prepared, and by this time the guests are appearing. She makes an effort to appear fresh and charming and the general excitement aids her. She tells you she is

If she only knew, or stopped to think that the efforts of the past three weeks have sown the seeds for over-wrought nerves, irritability, many wrinkles and undermined health in the future, she would not feel so happy. Such a performance is an outrage to human nature. And during all those weeks the other members of the family were practically doing nothing—only waiting. Here is stalking red-handed Selfishness and the mother is the moving spirit of Selfishness.

There is a joy and self-development in giving and serving that no one should be robbed of. There is satisfaction of the most elevating nature in making others happy. This satisfaction should not be monopolized by one member of the family, even though she does happen to be the mother. It is a terrible mistake these mothers make in turning themselves into physical servants or drudges for their families when they ought to be the domestic managers or maneuvering generals of the household. The first duty of a general is to keep himself in good trim, for what would become of an army with a weak, sickly, overworked general at its head? The greatest service the mother can do her family is to keep herself healthy, strong, serene and sympathetic. She should improve herself in these directions day by day. To strain and weaken the nervous system by going to extremes during the Christmas holidays, or rather in trying to do the work of six, is suicide to true wifehood and motherhood.

Men are blamed because they neglect the little courtesies of the home as a rule. But can we blame them when we come to think of how the little things are monopolized by their wives, and their taste criticised when they do try. Why not give your husbands suggestions and both of you decide together to buy little things for the house or children and then let him do the shopping, a little every day when he has time. He would do it gladly and willingly after he had a little practice. There is one thing more that we would have the wife remember, and it is this, that one of the greatest reasons that a woman as a rule, is more narrow and constricted in her mind and judgment than man is that she eternally uses her mind in the solving of these little things—why not divide up with your husband and give yourself a little time to think important thoughts.

And then think of the thousand and one little things the boys and girls of the family can do to help their mother if they are properly trained and how much happier they would be to feel that they had a creative hand in the Christmas cheer.

Now, dear mother, put on your thinking cap and consider

**HUMAN CULTURE AND VAUGHT'S PRACTICAL CHARACTER READER \$1.50**



how much more you would be loved and appreciated in the home if you followed these ideas. You would radiate love, because the feeling of power from knowing that you were using tactful generalship would mingle with your love, and this would have an uplifting effect upon those around you.

She who helps others to build character is a real benefactor. The field of the wife and mother is unlimited in possibility of helping others to grow. But you should ever remember that the law of growth—in a character sense, as well as any other—is normal activity. Over exercise in any direction means deterioration; lack of exercise also means deterioration. Pleasurable activity is the greatest means to growth. The growing child never worries, he is ever happy, and play is a joy.

At Christmas let us never lose consciousness of the fact that the real Christmas purpose is to give to ourselves—that which we give to others does them no real good, but the giving does do us good, and when we give in the giving spirit, we do ourselves an eternal benefit. We give ourselves character, or in other words, we pleausurably exercise the faculties of unselfishness. But when we go so far that we exhaust mind, soul and body, we make it a drudgery and then there is no development.

And let the mother of whom we have been talking, wherever she may be, let her remember that when she monopolizes all the sacrificing, that she is robbing others, and those others her very nearest and dearest—those whom she would benefit.

E. H. V.

#### UNCLE SAM OFFERS WORK.

Positions which pay \$50 to \$120 per month and require no technical knowledge are open to ambitious Chicagoans in the postal clerks' examination to be held Nov. 27. Any man 18 years of age or older, having a fair common school education, could easily qualify for one of these positions. Other federal examinations scheduled are assistant chemist, \$1,800 per year, Nov. 27-28; architectural and structural steel draftsman, \$125 per month, Dec. 5-6; architectural draftsman, \$1,380 per year, Dec. 5-6; tagger, \$720 per year, Dec. 5; telephone operator, male, \$480 per year, Nov. 30; psychologist, \$1,500 per year, Dec. 5; preparator of fossils, \$75 per month, Dec. 5; aid, coast and geodetic survey, \$720 per annum, Dec. 5-6; laboratory assistant (qualified in optics), \$1,000 per year; plate printer, bureau of engraving and printing, Dec. 5; agriculturist in dry land agriculture, \$2,000 per year, Dec. 5; fish culturist, \$600 per year, Dec. 12; stereotyper, Dec. 12; watchman, bureau of engraving and printing, Dec. 12; lampist, custodians department, \$720 per year, Dec. 4; examiner of china, earthenware and glassware, customs house service, Chicago, \$1,600, Dec. 12; examiner of general merchandise, customs house service, Chicago, \$1,600, Dec. 13; Spanish interpreter, immigration service, \$1,200, Dec. 12; veterinary inspector \$1,200, Dec. 12; hydrographic surveyor, \$1,200, to \$3,200, Dec. 12-13; computer U. S. N. observatory, \$800 to \$1,000, Dec. 12-13; forest assistant \$900 Dec. 12-13; wheelwright, \$720, Dec. 19; interpreter, Spanish and Syrian, immigration service, \$1,200, Jan. 4, 1907.

The examinations for attendants for the insane, excepting for the asylum for insane criminals, will be open to women between the ages of 18 and 45, and men between the ages of 21 and 50. Salaries from \$16 to \$22 per month and board. The examination will be partly oral and partly written.

Examinations for attendants in the asylum for insane criminals, Menard. Open to men between 23 and 45 years of age, minimum weight 160 pounds. Salary \$50 per month and board.

Examination for stenographers are open to men over 21 and women over 18 years of age. Salary \$35 to \$75 per month.

The salary of electricians, who must be more than 21 years of age, will be \$35 to \$75 per month. The salary of firemen will be from \$32.50 to \$60 per month. Engineers will be paid from \$50 to \$100 per month. Florists will receive from \$35 to \$60

per month. Carpenters' salaries will be from \$50 to \$80 per month. The salary of cooks and chief cooks ranges from \$20 to \$90.

Examination for pharmacist is open only to holders of Illinois certificates. The salary is \$50.

Examinations scheduled by the city are:

Lieutenants, fire department (promotion).....	Dec. 4
Tracers, grade 1 .....	Dec. 6
Truant officers .....	Dec. 8
Stationary firemen .....	Dec. 8
Engineers, fire department (promotion).....	Dec. 14
Assistant engineers, fire department.....	Dec. 14

#### VACANCIES FOR NURSES.

The examination for chief nurse is open to men and women between the ages of 25 and 45 years. The salary is \$50 to \$75 per month and board.

The examination for trained nurse is open to men and women between the ages of 21 and 45 years. Applications must be graduates of reputable training schools affording at least two years of hospital experience. The salary is \$35 to \$50 per month and board.

Examinations will also be held at the same time for unskilled labor, at which men will be examined for positions as farm and kitchen laborers, and women as domestics and laundresses. The scope of the examination and weights for this class will be: Physical examination, 7; experience as shown by applications, 3.

Examinations will begin promptly at 9 o'clock a. m. Applications will be received until Dec. 1 by Joseph C. Mason, secretary, Springfield, Ill.

#### GAME OF CHARACTER READING.

Highly amusing and instructive. An easy and pleasant way to study Phrenology and Character Reading. The game consists of ninety cards, each card illustrating a lesson in phrenology and physiognomy. They are arranged in books and played the same as Authors.

The drawings for the game were made by Prof. Vaught, and the book of explanation that accompanies the game was also written by him. The game is gotten up in durable style, each set packed in a box, with directions, and a hand book on Phrenology. Only 50c. Address Human Culture, 130 Dearborn St., Chicago, Ill.

"The man who knows most of women in general knows little of women in particular.

A man may have all the wisdom of ages and its sages and yet be lacking in understanding.

A man should provide a good mother for his children if he wishes to elevate the race and himself. Blood tells, but most in the mother line.

A woman may garner up wisdom till she has a basketful, and then put her foot in it and tip it over; but the wisdom is there just the same.

The happy marriage is an anomaly many seek, but few find. Philosophy and forbearance are twin comforters, and often the first fruits of marriage.

Only exceptionally weak and exceptionally brave women dare unequal marriages. Unequal marriages include inequalities of birth, age, education, character. Some women are so hurt by a man's suspicions that they cannot be natural."

THE NATUROPATH.—Edited by Mr. Lust, New York City, is a magazine calculated to do a vast amount of good, for it will awaken in the minds of others a regard for scientific health. The editor is strong in his sentiments for right living.

Improve yourself and increase your talent. [See our Ad on last page.]

**Dr. Rocine's Diet Guide 30c. Free with Human Culture**



# CONCERNING CHILDREN

## WHAT TEACHERS AND PARENTS SHOULD KNOW, OR A GUIDE FOR HOME AND SCHOOL

By Emily H. Vaught.

(A Series of Articles Continuing from Month to Month, Beginning Sept., '06.)

### How Students Reason.

It has been stated in pedagogical books that children, up to a certain age, learn through the five senses. This is equivalent to saying that one digests food through the spoon, which only conveys the food to the digestive tract. The senses supply material for the brain. Get the material to the brain by any other means and the result would be the same, as is evidenced by the so-called sixth sense, when ideas and impressions are conveyed to the brain through no objective method. Helen Keller is deaf, dumb and blind and yet she has taken the highest educational degrees. An infant up to two months old has the five senses, but they convey nothing to his consciousness until the brain commences to act.

The senses are used by students of all ages and at all times, to supply data for the intellect, but the data are used in a different way by the three classes of students—the Visual, the Auditory and the Cognitive or Thinking Student. In the Visual Student, as we have seen, the mind takes hold of concrete properties and develops its knowledge from this basis.

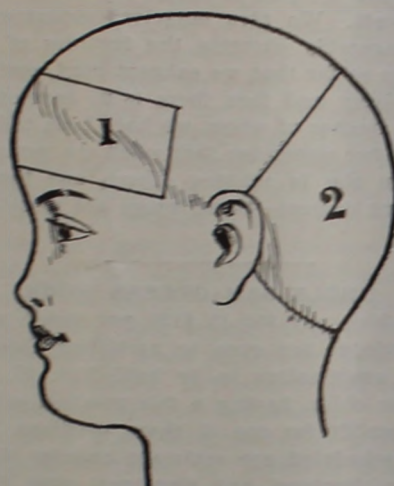
The Cognitive or Thinking Student, on the other hand, ignores the concrete, or objective and jumps at once to abstract, cause-and-effect reasoning. The Thinking Student cares nothing for details. If you tell him the earth is held in space by an invisible force and revolves around the sun and on its own axis at the same time, his mind at once takes it in and he thinks of the cause of its revolving around the sun and of its being suspended in space. But the Visual Student wants to know how large the sun is, how large the earth is, how the earth appears, how much it weighs, what shape it has, what color, and unless he can see and handle a miniature earth and see pictures of the solar system he is not able to comprehend the situation. But finally, after he has all the facts and illustrations he is able to form a concept in his own mind which is indelibly stamped upon his consciousness. He has learned his lesson more thoroughly than those possibly could who accept hypotheses without understanding that they are well founded.

### The Auditory Student.

The Auditory Student is unlike the Visual Student in appearance, characteristics, methods of learning, talent and capacity.

The Auditory Student has the same senses as the Visual Student, but he has a differently constructed brain. Everything that he sees, hears or touches is presented to his understanding from an entirely different viewpoint than is the case with the Visual Student. In fact, the Auditory Student does very little real thinking—he listens, hears, believes and remembers. The Visual Student learns through perception while the Auditory Student depends upon his memory.

Memory is of much less importance in education than is usually supposed. Clear and forcible concepts (abstract reason-



*The Auditory Student.*

ing) and percepts (objective reasoning) are of much more importance. Memorization is not reasoning at all. It is not using the student's own individual reasoning faculties. The world is more than half filled with people who are merely parrots, memo-



*Head Formation of Memory. Student of Auditory Type.*

rizing what others have said and written, without exercising their own reasoning powers. Higher education is supposed to develop conceptive reasoning, but it falls except in cases where the student is naturally endowed with the power to reason in







with people and he loves to hear them talk. He likes plenty of easy action, but he does not like hard work. He detests study and dry reading. He likes stories and light reading, however. He does not like to study from books, but he "picks up" information here and there and especially that which he hears spoken. While he doesn't appear to make any particular effort, he hears and remembers the explanation made by the teacher, and is able to repeat it verbatim. If he be required to study something from a book, he reads it over once or twice and then he has it in his mind just as it is in the book, and when recitation time comes he can rattle it off without hesitation. He always knows his lessons without half trying, and this is because he has all the retentive faculties strongly developed and he simply remembers.

He is very sociable and inclined to be mischievous in an innocent way. There is nothing mean about him. He is affectionate. He does not carry a grudge against any one for any length of time. He forgets and forgives. He is amiable and loving. When he is punished he does not resent it deeply and lastingly as does the Visual Student, but he recovers his usual good spirits quickly and forgets the occurrence completely. He is excitable and impulsive but easily intimidated. If he be cornered, he is more likely to run than fight—in fact, he will run if it be at all possible.

The Auditor Student likes short lessons, and especially verbal lessons. He wants illustrative stories. He loves stories and the teacher can always clinch the lesson for him by telling an illustrative story. This he does not forget. He likes to study in classes; he loves people; he listens to everything; he likes people and they like him. He is changeable and should have short lessons; he soon becomes tired; he does not like difficult studies. He likes friends, plenty to eat and drink, and exercises in the fresh and moving air. He likes picnics, parties, amusement, theaters and fun.

He has the appearance of being a very bright and promising child. If you tell him anything, he remembers it and is able to recall it at the proper time. He can retain and recall impressions which he has received and that which he has heard. He learns especially by means of verbal teaching.

#### SURGEON'S KNIFE REVEALS THE BOY.

**Eddie Peck's Remarkable Progress Apparent After Operation—Stupidity Was Corrected—Formerly a Dull Pupil, He is Now Quick to Learn and Fertile as to Pranks.**

Toledo furnishes a striking illustration of the possibilities of surgery curing stupidity and incorrigibility in a boy. This phenomenal result has been brought about through an operation performed upon Eddie Peck, 13 years of age, living at 1457 Chester street.

Eddie Peck's mind has been virtually reborn. It is keenly alive to the pranks and pastimes of his playmates. It grasps more quickly the lessons in school.

The boy has been completely transformed. He bubbles with boyish energy and spirits.

When two years of age Eddie fell down stairs and injured his skull.

#### All Changed Now.

He was dull in school. His mental action was sluggish.

He was frail and sickly. All that is changed. Eddie is a boy again. He looks and acts the part. On September 4 surgeons removed the depression from Eddie's brain, and within ten days he was out of St. Vincent's hospital and at home.

To-day he is in grade 4-1 at the Junction school, and he is a boy all over. Eddie is making up for lost time.

The miracle of the transformation brought about by brain

surgery is gradually being worked out in Eddie Peck. In school Eddie is quicker at grasping his lessons than he was and he is more mischievous.

His teacher, Miss Olga Goldberg says he shows improvement, "but," she added, "he likes to cut up with the other boys."

That is the sign of the return of the boy in Eddie Peck. It isn't a bad sign.

At home Eddie Peck is different. His mother used to have to drive him out to play. She doesn't any more.

"Eddie is improved," she said on Monday morning. "He goes out much more than usual. He takes an interest in things. His health is so much better. In time I believe he will be thoroughly cured."

The operation on Eddie Peck was entirely different from that performed upon other boys. Other operations were to cure incorrigibility. Eddie was not incorrigible, although his manner was changing and he was becoming petulant and at times surly.

The operation upon him was to cure stupidity and its success is now almost assured.

Sent by G. REHFELDT.

No great work, no good thing was ever accomplished by worry. No book fit to live was ever written, no noble thought ever evolved, no little home ever made sunny and happy by worry any more than Mozart ever performed rhapsody on a piano with tangled wires. In all the world there's no state so senseless, so useless as worry. Calmness is power and it may be cultivated by saying that whatever comes is best, by cheerfully searching out the lesson, and by minding our own business.—Grant Wallace, in San Francisco Bulletin.

#### REVIEW OF MIND TRAINING.

By Editor of Naturopath.

"Mind Training," a practical system for developing self-confidence, memory, mental concentration, and character, by Dr. Victor G. Rocine. Published by the Human Science School, 130 Dearborn street, Chicago, Ill.

The field of mental culture is vast, but lacks not those who stand ready, either for love or for money, to show aspiring souls how to get the best out of this large domain. The author of the work before us vows that soul unfoldment is, or should be, the principal aim of life and of eternity, and to aid in this grand mission he confidently offers his treatise. And Confidence, in capital letters, is the keynote of his message. He would have his readers ever to keep in view the vast possibilities of a rightly directed will. He does not slight man as a physical entity, but asserts that "the faculties that enable man to sustain life and to witness the sublimity of the universe, serve also a higher use. Each faculty is given double and triple uses, not only in a physical sense but also in a spiritual one. That man who passes out of life with a perfect soul has fulfilled his noblest mission."

As secrets of success Dr. Rocine discusses hereditary environments, with the comforting assurance that heredity is not absolute and may be improved upon; vital culture, for which many exercises are given as well as for magnetic culture; selection of suitable work; concentration of effort; self confidence, and memory culture.

As a phrenologist, Dr. Rocine has a reputation that is deserved and well sustained, and thus his chapters on "Memory and Its Many-sidedness," "Training of the Emotional Memory Centers," and his directions for the training of the subject and the cognitive memory centers, are marked by authority, clearness, and practicability.

Lofty ideals are inspired by reading parts of this work, as is also an infectious optimism which would have us to fill our souls with joy every time we think of people. "If you love mankind you will have no enemies," says the kindly author, who also directs us to "Let love live in your heart and you will be happier for time and for eternity."

#### Most Valuable Christmas Gifts.

Dr. Rocine's Mind Training .....\$2.00  
Vaughn's Practical Character Reader..... 1.00



## MAGNETIC CULTURE CLUB



We have organized a club for the purpose of developing PERSONAL MAGNETISM, which includes Health and Vitality, Good Manners, Self-Confidence, Good Memory, Concentration, Manliness, Courage, Beauty and Attractiveness of Person. A membership in this club entitles you to the following.

1st. Free copies of our Magnetic Culture Pamphlet Series, which will be issued from time to time, the first of which—Dr. Rocine's DIET GUIDE—is now ready.

2nd. This membership also entitles its members to special instructions in the development of Magnetic Culture.

3rd. All questions pertaining to Personal Magnetism will be answered either privately or in the columns of Human Culture.

4th. During the year 1906 we shall have a special department in Human Culture, reserved for members of the MAGNETIC CULTURE CLUB and here we shall give rules, laws, principles and exercises of inestimable value in the development of Magnetism.

You want to become magnetic. You want to gain personal influence. The magnetic men and women are those who operate in the highest spheres of human endeavor. It is not often we see the magnetic man. It is through magnetic culture and brain development that man becomes influential.

If you want to join this club, send in your application at once, and we will advise as to the requirements. We choose the members.

### NEW COURSE, JUST WRITTEN.

Dr. Rocine's New Correspondence Course in Physical and Magnetic Culture is Now Ready.

Price Ten Dollars.

This Course will develop your muscles, train your nerves, strengthen your mind, develop your magnetic forces, make you controlled and self-contained and render you greater in word and deed.

It is our wish that you should take this Course and train yourself so that you may qualify yourself to form clubs and teach Physical and Magnetic Culture to others. By so doing you can improve yourself and others and at the same time, if you so wish, make money as a teacher, when you are qualified to teach.

### HOW TO COUNTERACT BAD TENDENCIES AND OVERCOME BAD HAITS.

#### Personal Peculiarities.

As long as a man's mind dwells upon bad thoughts, he develops bad tendencies. If he thinks that he has inherited a certain peculiarity from his parents and is always looking for the appearance of this peculiarity, he is developing this peculiarity. This is the way to make peculiarities and bad tendencies appear. What a man encourages in his mind and holds there persistently, will grow until it controls him and appears in his offspring. To continually dwell upon an evil is to bring that evil to pass. What a man constantly thinks about, he develops or he increases that feeling, tendency, habit, sin or crime. If a man dwells upon an imaginary idiosyncrasy, he develops this characteristic. To dwell upon a fault is to weaken self-confidence and decrease independence of mind. The mind then becomes weak. Most peculiarities are imaginary at first, but if a man holds evil images before his mind he nurses and broods

over them, and by so doing he develops faculties in the wrong direction.

The cure lies in doing, thinking and feeling the opposite. A man who has an imperfect quality should ignore this quality and think of perfection every day in the year. He should not think of his faults; he should only think of his virtues. He should convince himself that God made him a perfect being. He should hold thoughts of perfection in his mind. This is the only way to work against a peculiarity. Shyness sometimes becomes a disease, which is the case with fear, bashfulness, evil tendencies; but they are diseases of the imagination only and can be overcome by holding the mind on opposite thoughts.

If a person be shy and bashful, he thinks he is watched by everybody. He grows sensitive, diffident and more bashful. At last he will not be able to act. To work against bashfulness is to cultivate self-confidence. To think opposite thoughts is to work against such characteristics and peculiarities. The mind should be directed into other channels. If this be done the tendency would disappear. The mind should never dwell upon its own weakness and evil tendencies. It should dwell upon its own strength, virtue and perfection. V. G. R.





## QUESTION DEPARTMENT

Send your puzzling questions to Victor G. Rocine, Doctor of Science, and he will answer them in turn. Ask only such questions as relate to human science.

Our readers are respectfully requested to give their full names when they ask questions. We use only the initials.

### WHAT TO DO TO IMPROVE TALENT FOR COMPOSING LECTURES AND BOOKS.

Q. by B. Georgi, Berlin, Germany.—In which faculties is one weak who has a difficulty to compose lectures?

A.—In Comparison and in all probability Constructiveness, Language and Eventuality.

Q. 2.—How could one cultivate those faculties?

A.—This is a big question and cannot be answered in detail. Study tropology, memorize, study inductive reasoning, pay attention to active and passing phenomena, increase the vocabulary each day, and USE your knowledge more. Stop reading and begin to use that which you know.

### AN OPERATION CAUSES A SORE ON THE FOOT.

Q. by B. S. M., Everett, Wash.—What should I do to cure a sore under the sole of my foot, caused by an operation?

A.—If it can be cured by a surgical operation, it shows that venous vessels have been destroyed at the time of the operation. This will not be easy to cure. Perhaps the best thing to do is not to walk on your foot at all for some time. Give your foot massage with your hands each day, several times per day and ride on horseback or on a wagon, in such a way that you will give your foot motion of a vibratory nature, without stepping on the foot at all.

### WHO IS THE GREATEST PHRENOLOGIST THAT HAS LIVED?

Q. by H. S. V., Salida, Wash.—If it is not too much asking, I should wish to know who is considered the greatest phrenologist that has lived.

A.—Dr. Gall is the greatest man because he is the discoverer, otherwise he is not the greatest. Dr. Vimont of Paris, George Combe of Scotland, Dr. Caldwell of America were important scientists. They were accurate in their statements and philosophical in their views.

### THE BRAIN FORMATION IS BEING OBSERVED BY BUSINESS MAN.

Q. by J. A. S., Chicago.—What faculty is represented by a strong, upward development above the forehead in the central portion of the tophead, and in the front part of the same?

A.—According to your description and sketch, Benevolence is located at that part. Such a person wishes to do something for the people, in some capacity. He is liable to get himself mixed up in partnerships if he is not prudent. He is liable to be led by his sympathies. The one having such a face as that sketched by you is liable to have a poor stomach and digestion. He is subject to dyspepsia and consumption. He has a constructive mind, but he must husband his vitality. Bring him here and we will give him an examination and you will be surprised by the accuracy of this science.

### IS THE SKULL IN THE WAY OF THE LIVING, GROWING BRAIN?

Q. by R. A. B., Antonio, Texas.—How is it possible to develop brain when the hard and firm skull is in the way of the brain?

A.—You say that the hard skull is in the way of the growing brain. How do you know that the skull of a living man is hard? Is it not soft? And do you not think that the skull grows with the brain. Do you think that the stiff hide of the elephant prevents his growth? Or do you think that the shell of an oyster prevents the growth of the oyster. To say that the skull is in the way of the growing brain is not scientific. Both brain and skull grow alike. The skull must accommodate itself to the growth of the brain. Cell after cell is being removed in the skull, by the circulating blood, and cell after cell is deposited further out, to accommodate the one to the other. The bark of the tree is not in the way of the wood, nor of the circulating sap of which the tree grows. The skull has, in its bony tissues, Haversian canals, in which canals the blood, that upbuilding fluid, flows. It is the blood that does the work—it tears down and it builds up. When the brain grows very fast in some special brain centre, the skull is incavated, leaving a big cavity on the inside for the growing brain centre on the inside, making the opposite side on the outside convex, which everyone who has held a skull MUST have seen. Such embeddings of the brain in the skull mean development.

### HOW TO CULTIVATE CONSERVATISM.

Q. by O. F. R., Chicago.—How is the faculty of Secretiveness best cultivated?

A.—The very best way to cultivate Secretiveness is to associate with tactful, secretive, reserved and conservative people and then act as they act, talk as they talk, assume such attitudes as they assume, and imitate them in every respect. Another good way of cultivating the same faculty is to cultivate silence. Never tell others of your own feelings, thoughts and deeds and you develop Secretiveness. Watch others and yourself and you develop the same faculty.

### MELANCHOLIA AND ITS CAUSES.

Q. by E. T., Astoria, Ore.—What is the cause of melancholia, as the doctors call a mental trouble from which my sister suffers?

A.—Melancholia is caused by inflammation of the brain substance in the angular and supra-angular gyri, located at the parietal eminence, or else the brain substance is insufficiently nourished in those gyri. Or perhaps your sister has sustained an injury of this part of the brain. A surgical operation would perhaps help her, providing a phrenologist is present to superintend the operation.

### FREEDOM.

Herman A. Hanson.

Free as the wind unbridled blows  
Free as the stars to brightly shine  
Free as light from the sun that glows  
And free as the woodland vine,

So free I feel to breathe and live  
So free in all I do  
And I know that naught can me deprive  
Of freedom as my due.

For I was born with a godly right  
The right my own to claim  
The right to govern my own fate  
On life's tempestuous main.



*Continued from page 207.*

by comparison. It sees the congruous and opposite. It is the fountain of proverbs. It studies the uniformity of phenomena, the relations that prevail in the archetype of structure in man, races, animals, plants, and the relative resemblance and differences in everything that exists. It compares impulses, appetites, emotions and influences and acts as a judge in the court of mind. It enables man to draw broad distinctions, and to discriminate according to the laws of analogy. It is one of the chief faculties of analysis and synthesis. It takes interest in division, separation, deferentiation, resolution of compounds into their elementary parts. It reasons by analogy (similarity in relation or affinity). It gives collective sense, perspicuity, desire for rigid examination, idea of heterogeneity, a desire to write subjects under a suggestive likeness, ability for nicety in drawing distinctions, an inclination to place things together in order to trace resemblances, a strong desire to use brief (scientific) precepts (aphorisms), adages, parables, allegorical pictures and wise sayings. It makes man sharp, metaphorical, penetrating and critical. It enables him to compare the present with the past and to draw conclusions regarding the future. It inclines the mind to use knowledge relatively, and gives the mind a critical and grasping sense. It reads the world while causality studies the world. Causality asks WHY of action, conditions and happenings; comparison sums up, asserts and concludes. Comparison deals with facts and inductions; causality deals with causes and deductions.

#### FUNCTION OF CAUSALITY.

##### The Faculty of Deductive Reasoning.

Causality studies causes and effects, results and consequences, laws and principles, primitive origins and future issues, abstract conditions that which is recondite and that which is already understood, sequences antecedents, expediences and finalities, resources and funds, means and wants, supply and demand, intricacies, evidences and proofs. It deals with the causes and effects of active and passive phenomena. It is the CAUSE and EFFECT perceiving faculty. Its activity leads to investigation, theorization and demonstration. It gives ability in reasoning processes of a hypothetical, demonstrative, compound, conditional, disjunctive and deductive nature. It concludes and forms premises. It is interested in cogitation and elucidation. It gives man a broad and comprehensive view of that which he does. Through it, he can make catch line arguments, and study the causes of events, seasons, winds, storms, currents, waterspouts, moisture, dew, frost, fog, haze, mist, rain, hail, etc. Through it he can study the agents of erosion and the causes of the same. Through it he can study the origin of things, their causes and effects. It formulates propositions, premises and syllogisms of a deductive and syllogistic nature.

##### Induction and Deduction Explained.

An induction is a generalization or an inference based upon observed facts, and inductive reasoning is that mode of reasoning by which all the data of knowledge are brought to the mind and analyzed.

Inductions are of many kinds; as for instance, primary inductions, which are statements of observed uniformities of phenomena; secondary inductions, which are syllogistic conclusions of which one premise is known to be true by intuition, etc. Inductions are made by OBSERVATION, hence, the perceptive faculties are necessary in inductive reasoning. The perceptive and Comparison are principally concerned in the processes of inductive reasoning, but Causality is a CAUSE, and EFFECT seeing faculty. It deals more in DEDUCTIVE and TRADUCTIVE reasoning. Deduction is a higher kind of

reasoning. Deduction is the process of UTILIZING the data and the knowledge gathered, and to elaborate NEW and more COMPLICATED inductions. It is syllogistic reasoning, cause and effect reasoning, abstract, demonstrative and inferential reasoning; it is the process of reasoning from GENERAL PRINCIPLES.

Deduction includes induction. Induction is the act of reasoning from the particular to the general, from facts to laws, from the little to the great, from units to principles, from the SEEN AND KNOWN to the unseen and abstruse, from the concrete to the abstract; while deductive reasoning is the process of reasoning from the general to the particular, from complex relations to units, from general laws and principles, from the great to the little, from the abstract to the concrete, from induction, to more complex inductions (deductions). Cogitation, being the act of thinking, scheming and planning, is a result of causality, generally speaking. Causality is the central faculty of philosophy. It gives scope of comprehension; it applies principles; it understands complexities. It deals with theories, hypothesis, assumptions, assertions, proofs, problems and abstract conditions.

V. G. R.

*Continued from page 205.*

ages for the laying of a single rock stratum. The climate has changed all over Europe and America since that ancient time, and the animals that roamed over the land then were almost tropical in character.

Dawkins says that during this early period there were some fifty mammals living in Europe, among them the marmot, hare, beaver, lemming, leopard, lynx, wildcat, otter, brown bear, wolf, fox, African elephant, musk, sheep, chamois, wild boar, horse, reindeer and hippopotamus. And even some of the animals from the Arctic regions were not unknown, such as the mammoth, the woolly rhinoceros, the elk and other extinct animals.

It is in Switzerland that some of the most remarkable finds of this early period have been made, in the beds of the lakes. Here have been discovered remains of wooden pile-dwellings, together with stone weapons and implements without number. The woman whose face now appears probably lived in one of these wooden houses, ate with a shell or stone spoon, and was defended from enemies by the stone arrow-heads with which her husband fitted his arrows.

But perhaps the most remarkable feature of this reconstruction of the woman of the stone age is her striking resemblance to her modern sisters now living in Switzerland and other civilized lands. Her face is broad, the brow is high and flat, the cheek bones are prominent, the angles of the jaw are well marked, the nose is short and arched, the full mouth betokens swelling lips. There can be no doubt that she belongs to the brachycephalic broad-faced human race.

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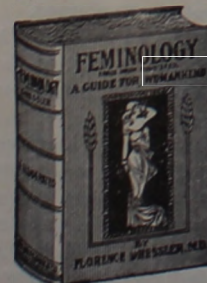
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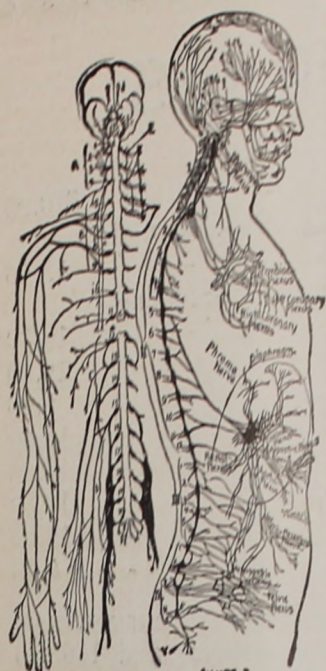


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