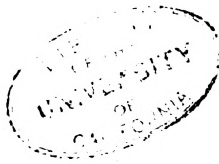


OCT 30 1902



# Human Nature

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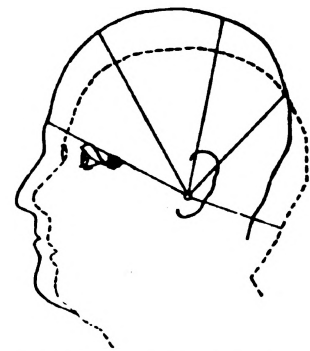
## QUALITY NOT QUANTITY, Temperament and Location of Brain Matter Determines Character.



**B. T.—A Common Laborer, with a head measuring 24 inches in Circumference. Organic Texture is coarse.**



**E. B. F.—Author and Scientist, with a much smaller head. Organic Texture very fine.**



**Two heads of same volume, but the outer line shows more Moral and Intellectual and less Animal than the dotted line, where the base brain is heavy and back head large.**

A certain Prof. Pearson has been making measurements of the heads of a number of undergraduates of Cambridge University, Mass., and he has published his ignorance of Phrenology, thereby making himself a laughing stock to Phrenologists, who alone appear to know how to measure mind.

Prof. Pearson is evidently not aware that Quality of Organization, Temperament and relative location of brain matter determines character. Below is the result of his childish observations, which are going the

rounds of the press, and treated with all seriousness by editors, who appear to know no more about Phrenological principles than the learned (?) Prof. Pearson himself. The paragraph is as follows:

### BRAIN SIZE NOT ABILITY.

MAGNITUDE OF THE HEAD IS NO INDEX TO MENTAL POWER.

"The question whether the size of the head is correlated with intellectual attainment has been discussed for years in scientific circles, but very little has come out of the discussion proving the case either one way or the other," says

the New Orleans *Picayune*. The matter seems to have been again opened by Prof. Pearson, who has been making a series of elaborate measurements of "knowledge boxes" of a number of undergraduates of Cambridge University whose careers were known. The result of these measurements and subsequent studies seem to prove that the size and shape of a man's brain pan has nothing to do with the breadth of his intellect; that a man with a small head is just as liable to carry off the honors of his year as one blessed with a cranium of dimensions out of the ordinary run. A second series of studies and measurements carried through the schools gave similar results, while a third series of researches of wider range re-

sulted in the conclusion that a very brilliant man may have a head slightly larger than the average, but that the increase is so small it cannot form any element in our judgment of ability. Incidentally, Prof. Pearson points out that if the workingman have a smaller head on the average than the professional man, this is rather due to better nutrition of the latter. The Chinese is noted for the size of his brain, yet he is not in popular opinion blessed with a greater portion of genius than the average Westerner.

Our illustrations on first page show that it is NOT the SIZE of the head but quality of Texture or quality of Organization, together with Temperament and relative Location of Brain Matter that determines character.

Prof. Pearson appears not to be well informed in this matter, but owing to his prominent position as a teacher and university professor, he is looked up to as an authority, and his erroneous conclusions are treated and commented upon by the press in all seriousness.

We have read singular comments on the Professor's researches, which leave the writers in the dark as well as himself.

If Prof. Pearson would look into Phrenology and study men according to its modern principles, he would understand *why* a man with a small head is often more brilliant and intellectual than another with a large head, but he is on the right track; he is *observing* heads; if he keeps on observing instead of reading obsolete works on mind, he will find that Quality, Temperament, Form and Shape of Head and Body together with Facial Expression, Tone of Voice, Color and Complexion, are all indices of character and the sum and substance of these is Phrenology, or Science of Mind.

Observing and thinking men cannot always remain in ignorance of Phrenology, which is the only true science of mind by which character can be revealed.

Phrenology is destined to revolutionize the world. Bad men have

lied about it; prejudiced minds have misrepresented it, because it upset their false theories of mind; but truth at last prevails.

Phrenology will remodel our present blind system of education, which is apparently based on the presumption that all men (children) are born equal, *i. e.*, with equal faculties; the difference in men, it is supposed, being the result of environment, education, training or circumstances; but when Phrenology is understood, each child will be seen to be different in character, disposition and talents from any other child. Indeed, no two things are alike in the universe; not two grains of sand, not two blades of grass, nor two peas in one pod, are alike, but they differ as one star differs from another star.

When Phrenology is embraced in the schools and seats of learning, each aspirant will be trained according to his specialty and fitness; a torn mechanic will be educated for a mechanic, not for commerce; in the former vocation he would win success and happiness; in the latter he would fail and bring misery upon himself and others around him.

The world is full of misery from a lack of Phrenological science. Unhappy marriages not the least. With a true knowledge of Phrenology properly applied in the home there is happiness and untold pleasures.

Horace Mann, one of the world's greatest educators, said: "He who disseminates Phrenology is a benefactor to his race."

Aristotle asked, "Why may our lives be compared to a play?" Then he answered the question himself: "Because the dishonest occupy the places of the honest, and the worst sort the room of the good."

Phrenologists should be employed by the State, so that every young man and woman could have their proper start in life. This would ensure a wonderful amount of success and happiness in the world, and prevent failures that lead thousands annually to destruction and death.

## Brain Determines what Each Man Ought to Do.

Dr. Byland of Lebanon, Ohio, says:

"Phrenology, the true science of mind, is the only science not the offspring of evolution. But on the contrary is the direct result of observation and inductive reasoning. It was discovered by an eminent German physician, who promulgated it about the beginning of the nineteenth century. It was introduced into this country about 1832 by Dr. Spurzheim, who delivered lectures on the science and made examinations in Boston. At that time three young men, Henry Ward Beecher, O. S. and L. N. Fowler, were in Amherst College. Attending Dr. Spurzheim's lectures, they conceived the brilliant (?) idea of refuting the doctrine. Beecher was chosen spokesman. 'Reading up' on the science, Mr. Beecher was converted by its irrefutable logic, just as able and fair minded investigators are, and instead of speaking against it, worked for it throughout his life. In short he, with Horace Greeley, Ezra Cornell and other hard-headed business men, was one of the incorporators of the American Institute of Phrenology of New York. 'But what is the good of an examination,' you say. I reply, 'It introduces you to yourself Shows you exactly what you are. What you can do and what you cannot do. Which faculties need cultivation and which restraining. What line of lifework offers the shortest and easiest road to success and which offers the greatest obstacles. In fact, it enables you to almost see the end from the beginning. The Phrenologist mentally dissects the live, healthy body and thereby gives information and hygienic advice entirely beyond the ken of the physician, who studies cadavers and the sick only. His field is on the plane of mind exclusively and is, therefore, as much above any other as mind is above matter.'"

### Antipodes.

People living opposite each other on the globe are called antipodes. (Lat. anti, against; pes, pedis, foot.) They are called such because they stand or walk with feet against feet, as compared to each other. In the mental world a similar comparative condition prevails. Some of the faculties are antipodes. They are comparatively opposed to each other. They are at war with each other. In the mental world it is not a question of a "survival of the fittest," but rather a survival of the strongest. When a certain faculty holds the sway, it rules the other and weaker faculties. Dest. is opposed in function to that of Ben. Self-esteem stands very nearly opposite in function to that of Ven., and Ind. is very different in function than Spir. Spir. is the student of that which people call life, spirit, mind, soul. It deals with psychic phenomena, the expressions of the soul, the manifestations of mind and with the internally operating, living and pulsating forces of the universe. It is the soul faculty, the mind student and the spirit philosopher. It studies the psychic forces, the mind of man and the soul-principle of the universe. It is interested in spirit phenomena, in trance, vision, prophesy, magnetism, hypnotism, telepathy, telekinetics, phisic science, psychometry, mind studies, revelations, dreams, spirit control, occultism, illumination, demonology, angelology, hypermesia, mesmerism, magi, od force, Swedenborgian philosophy, tutelary spirits, genii, spiritualization, mediumship, psychology, etc. It is the mental telegraphist, the soul student, the ghost-seer and the magician. When Spir. is deficient, the person will live in spiritual darkness, and he often becomes an "exposer" of the magician. When Spir. is normally active, it causes a person to study the higher sciences, to deal with the principles of life and to study the spirit of the universe.

It prompts him to deal with life and its phenomena. It is the soul studying faculty. It is opposed to the faculty of Ind., which is the thing faculty. This mental functionary deals with matter. It is the stuff-student. It believes in matter. It feels convinced that that which has been seen, heard, felt and realized, through the material senses, is a reality. It is a matter-minded faculty. It studies matter. Ind., in connection with the other perceptive faculties, likes to study the bosom of the earth and the philosophy of matter. It believes in materiality; it wants to see; it gathers data; it demands facts; it deals in cosmic particularities; it likes natural objects; it says, "I do not believe before I see." The two faculties, Spir. and Ind., are opposed to each other. The one deals with the life in matter, the other one deals with concrete and tangible matter. Spir. deals with the spirit of the universe; Ind. with the matter of the universe. The one feels, senses and believes; the other one touches, sees and knows. The one studies the expressions of life and soul, the other one studies the corpse, in the laboratory, after the life has fled. Is it any wonder that Darwin said, after he had finished Carlyle's "Sartor Resartus," (a work on religion and spirit life), that "it is all poetry and mist?" And is it strange that Carlyle, after he had finished Darwin's "Origin of Species," flung the book into a corner of the room and exclaimed that "This is the philosophy of mud?" Their brain tells why they thus thought, wrote and spoke. Carlyle was a spirit student, while Darwin was a student of matter. Darwin had strongly developed faculties in perceptive (matter studying) brain. The man with Ind. strong and Spir. weak will say to the spirit student, "Trot out your ghosts and show them to me and I will believe in spirits," and the spirit student will say to the matter student, "I never saw a corpse bury itself." Or he

will say, as Socrates said to Crito, when Crito asked Socrates, "Where shall we bury you?" "Bury, bury me," said Socrates, "bury me just where you please, if you can only catch me. Have I not often said to you and the wise men that this body is not Socrates?"

Each mental faculty has its special function, and all are necessary factors in the factory of life and matter. An uneven brain leads to inharmonious actions, thoughts and feelings. A person having the lower forehead strongly developed in the perceptive faculties feels that "all is matter." But the one whose brain is harmoniously developed feels that "The soul has its roots in the soil of matter," and that "It draws its nutrition from the cosmic univerræ." To say, "I do not believe in spirit life," is equal to saying, "I am deficient in Spir. and several other faculties."

V. G. LUNDQUIST,  
191 So. Clark St., Chicago, Ill.

### Chins.

Prof. Chas. Todd Parks, writing from Waldorf-Astoria, N. Y., says: "Referring to the chin of Fig. 6 in my article on Physiognomy in the August number of HUMAN NATURE, my original drawing was more shaded so as to better illustrate the prominent pointed chin spoken of in the text.

In September number, page 4, an exception is taken to my characterization of this chin as 'deficient in integrity and staying power,' by one who has such a chin. I would like to add to my original text that these chins when found upon people who are endowed with a high moral nature, phrenologically, reveal a natural tendency to allow their sentiments, sympathy or judgment to dominate them, not their sense of justice, integrity and strict duty. Prominent projecting chins are always intense and persistent in will power, but unless they have normal breadth and normal squareness, there will be a deficiency of deliberate staying power after all opposition to their will power is withdrawn."

### Delineation of Mr. Newton Gregg, Sept. 19, 1902.

Dr. S. Solly, F. R. S., in his book on "The Human Brain" says:

"Those who have not given their serious attention to Phrenology have a sort of indefinite idea that Phrenology is some occult science by which its professors pretend to be able to judge of a man's character by an examination of the bumps upon his head. This is the Phrenology of the superficial and the idle, who not having industry enough to investigate it for themselves set up a baseless shadow and then take credit for the facility with which they overthrow it."

Our readers—constant readers—are aware that Phrenologists go to "Headquarters" for much of their data in order to estimate character, but the *quality* of Organization, Temperament, Color, Form, Shape and Weight of Body, together with Facial Expression, are important items that have to be taken into consideration. Health is also a big item to take into account. The following delineation should give some idea how we read character:

#### HEAD MEASUREMENTS.

21 $\frac{3}{4}$  inches circumference.

13 $\frac{3}{4}$  inches root of nose to occiput.

14 inches ear to ear over crown.

#### CALLIPERS.

5 $\frac{3}{4}$  diameter.

4 $\frac{1}{4}$  frontal.

4 back.

Weight, 132 pounds. Height, 5 feet ten inches.

Complexion, dark. Form, spare.

Quality, fair. Temperament, motive-mental.

Present condition, physically poor.

You possess a head of ordinary size, but you are 18 pounds lighter and two inches taller than an ordinary man, and your organic texture may be described as good working quality, being neither too coarse or too fine.

You are very thin and all run

down; you have been working too hard, spending your vitality at such a rate that ultimately means life's bankruptcy or premature death, and unless you ease up now you will not be a long liver on this mortal plane.

You are blessed with an immense degree of Vitativeness. The organ is very large, which endows you with a wonderful degree of tenacity, or you would not have withstood the hardships, the wear and tear you have endured these last few years, as I can see by every lineament of your face, hands and general features.

You are boney, muscular and lean, very lean; your body is as dense as tempered steel; the flesh is close and compact on the bones, so that you wear like pin wire; you are of an active, restless nature.

But you need a rest of body and mind now. Your first thoughts must be how to build yourself up, or at least get back to your normal weight.

This you can do by retracing your steps, work less, take life easier, be less ambitious to overdo, obtain peace of mind and a more restful, subdued spirit; conquer the mind and nourish the body.

Get plenty of sleep, do not work so hard and eat fattening foods. You ought to weigh 150 pounds at least; you could weigh more and be comfortable.

Fattening foods include the cereals or starch foods, bread and butter, sweets, creams, fat meats, chocolate, etc. But be careful about fat meats, greasy and starchy foods, or you will become bilious. You are of a very bilious nature.

Also be careful about acid fruits, and foods that make you thin. Lemons, tomatoes, etc., are good for the liver, but they are thinning foods, and you are too thin already. Watch yourself in this respect.

If you could get into a commercial business, buying and selling farmers' produce or fruits, etc., you would do well. Not many men with your commercial instincts would work so

hard at manual labor as you have done. Probably you have been your own employer or you could not have stood it so long, or would not at the expense of your life's force, as you have done.

True, not many men with your type of body are engaged in commercial pursuits. You prefer at any rate to lead an active life. Your thin limbs, sharp features and generally spare form indicate the speed of the deer and race horse, or a desire to lead an active life. Couple this physical condition with your mental, and you will see that an active commercial life will suit you very well. Hence, as a fruit dealer, or dealer in farm produce, etc., or as forwarding agent, expressman or dealer in machinery, etc., you would do well. Your Acquisitiveness is marked 5 to 6. The side head generally is well developed, which means you are very capable to look after your own interests, drive a bargain or buy and sell goods at a profit.

Moreover, your perceptive faculties are large and exceedingly active, and this degree of development and activity adapts you well to follow an active commercial business.

You are now 30 years of age. It is rather late to take up clerical or professional work, unless you have considerable means to educate yourself on these lines. An education in harmony with one's organization is the only practical one or one that would lead to success.

Your organ of Language is very well developed. Your large, round eyes indicate power of verbal expression. It only needs opportunities to develop considerable ability in this direction. You could make good use of your language in many ways—as a lecturer, stenographer, typewriter, telegraph operator, etc. If you were 20 years of age, I would advise this course, but as you are much older, and rather stiff and set in other lines, it would be more advisable to follow a vocation or simi-

## HUMAN NATURE



**HE HAS BEEN THERE.**  
The Man Who Wrote the Following  
Has Been a Candidate for Office.  
He is Not Running This Election.

Behold the candidate! He cometh like a flower and retireth from the race busted. His friends filled him with false hopes and atmosphere. He swelleth like a toad and calleth the earth his'n. He swelleth upon all mankind and sloppeth over with good humor. He kisseth the children and scattereth microbes among the innocent babies. He privately cheweth a clove when he meeteth a preacher, and in conversation with him he standeth to leeward and curbeth his breath with a strong bit. He goeth home late at night to his weary wife with a beery breath and hieth forth without breakfast, saying: "I go to see a man." The dead beat who lieth around in wait then pulleth his leg. He "naileth a lie," but before election day cometh he runneth out of nails. He giveth liberally to the church. He giveth a goodly sum to the village fire department. He bestoweth alms and sendeth a small keg hither and a large keg thither. He yieldeth up his substance with alacrity. After the election he goeth back of the barn and kicketh himself and teareth his hair and calleth himself a rotterblank fool.

### Helped Her Wonderfully.

Mr. Kelly—An' how are ye this mornin', Mistriss Flynn? Is yer rheumatiz any better?

Mrs. Flynn—Well, yis, I think it is, I thank ye kindly. The new doctor's treatment is doin' me a worl' av good, I believe. He advoises me to take queen ann eternally, and to rub anarchy on me j'int's. So I'm doin' it, an' I think it's helpin' me wonderfully.—*Health.*

Set no standard for others—they may live nearer to the light they have received than you do.

Every time a man blows himself he comes out at the little end of the horn.

lar vocations to those marked on page 5, in the printed chart accompanying this analysis—that is, a business where commerce and physical activity join hands. Even life in the mountains would be conducive to your health and pocketbook, if engaged in raising fruit, general farmers' produce or stock.

Raising poultry or keeping bees would employ all your time and talents and would not be too hard work.

You could make a lumber or a dairy business go, but as you are apt to take more responsibility on your shoulders than you can well afford to carry, the tax would be too great and you would soon run down again. If you would live long and enjoy life you will have to take it easier. You are a man of great energy and ambition, but it is indispensable to your health, now that you curb your ambition and restrain your energy until you have regained at least a more normal physical condition.

As to marriage adaptation, also which faculties to restrain and which to cultivate, all these are indicated in your marked printed chart.

After the examination Mr. G. said:

"You have described my condition exactly, and I shall follow your priceless advice.

"I am all run down, because I have been doing two men's work in the dairy business on my own account, and was too ambitious to succeed, for I cannot bear defeat. I have worked too hard. It has been more than my constitution can stand.

"I have always had a liking for the vocations you have indicated. I am adapted to follow. I shall also take your advice in this as well as in all other respects, and I feel that I shall not only obtain better health but be more successful every way."

Every student of Phrenology and every earnest Phrenologist knows that Phrenology is the most common-sense science extant, and the only true mental science by which character, disposition and talents can

be correctly described and revealed, but there are few men original enough to observe nature's signs for themselves. They gather their knowledge from books, rather than from the book of nature, the only true teacher.

It is actually annoying to a Phrenologist to see public instructors, teachers, editors of great daily papers, medical men and professors in our colleges of learning, shutting their eyes to nature's book and searching for her truths in old tomes or modern, mystifying, metaphysical writings on so-called mental science, or psychology that has no more substantial basis than the baseless fabric of a dream, or the writings of some blind materialist who can see nothing beyond what the knife reveals. The truth is not there. It lies betwixt and between. Phrenology reveals it.

### The Price for Health.

Nature's price for health is regularity. We cannot safely bottle up sleep to-night for to-morrow night's use, nor force our stomach at one meal because we expect to eat sparingly at the next, nor become exhausted on working day and night expecting to make it up later. Nature does nothing before her appointed time, and any attempt to hurry her invariably means ultimately disaster. She takes note of all our transactions, physical, mental and moral, and places every item to our credit. There is no such thing as cheating nature. She may not present her bill on the day we violate the law, but if we overdraw our account at her bank and give her a mortgage on our minds and bodies she will surely foreclose. She may lend us all we want to day, but to-morrow, like Shylock, she will demand the last ounce of flesh. Nature does not excuse man for weakness, incompetence or ignorance. She demands that he be at the top of his condition.

Never call a man a fool; he may be foolish enough to resent it.

### The Making of Vaccine.

Several millions of people in this country are yearly subjected, either through compulsion, or by the persuasion of friends and physicians, to the operation of having vaccine virus introduced into their circulatory system. It is extremely doubtful if even a small percentage of those so inoculated would submit to the operation were they familiar with the character of the virus so made a part of their body, or appreciated the effects that would follow its introduction into the blood.

Long years of custom—a process entirely conducive to that state of mind referred to in the proverb, "Familiarity breeds contempt," is responsible for the apathy with which the general public contemplates a practice of such terrible import. Blood poisoning is a phrase that a great many people have been made familiar with of late years, and its effects are looked upon with horror. You have to but hint at blood poisoning to the majority of persons to excite the most active apprehension. "Vaccination" is a word that has been persistently employed by medical men and writers on public health so long that our people have become accustomed to the soft-sounding, apparently harmless word; and to the majority of them it means nothing more than a slightly uncomfortable means of securing immunity from a loathsome disease.

The idea contained in both phrases—"blood poisoning" and "vaccination"—is the same, but perverted use has established in the public mind the wildest antithesis between the expressions. The horror excited by the one should no less be aroused by the other, were it not for the confusion that has been produced by the juggling with the definition, persisted in by the physicians.

In this connection it is not without interest and profit to understand just what this vaccine used in the opera-

tion of vaccination is, and the method of its production.

The vaccine employed by the profession for the past ten or fifteen years has been almost exclusively what is known as calf lymph, and has been described by writers as an attenuated culture of small-pox virus passed through the blood and tissues of a young calf.

This lymph is produced in large quantities by institutions, directly and indirectly under the protection of various national, municipal and state governments; and, like most industries protected by politics, they are nowhere celebrated for honesty of management or the purity of the product turned out.

The calves used for producing vaccine are from one to four months old. They are bought by the vaccine farmers in large lots from cattle dealers. The average price paid is considerably under that paid by butchers for animals of like age. It follows, of course, that those calves which are weak and diseased, and unfit for food, and are rejected by the butcher, fall into the hands of the vaccine makers; and upon such unpromising material they work in their glorious(?) endeavor to provide the millions of citizens in this and other countries with a pure, disease-restricting virus, which our medical profession would enforce us to receive into our circulation from time to time, whether we desire it or not.

It has been firmly established by repeated experiment that the introduction of any lymph product from a diseased body into a healthy one engenders disorder, weakness and generally a diseased condition of the body so inoculated; and it is indubitably logical that the virus produced from the rejected, poorly nurtured, diseased calves sold to the vaccine men by the butchers and cattle dealers will produce the gravest evil.

The rejected and dishonored calf being obtained, the vaccine manufacturer proceeds as follows:

The calf is tied down to an operat-

ing table, the belly is shaved from 12 to 15 inches square, the surface is washed and about one hundred slight incisions are made. Into these incisions one drop of glycerinated lymph—a culture of pure smallpox passed through a solution of glycerine—is allowed to drop, and is thoroughly rubbed in. The weakened animal is then turned loose. Its appetite is gone, and in its poorly nurtured condition it presents a most pitiful aspect. Fever sets in, and the animal becomes exceedingly sick.

In a few days the vesicles appear, the scabs form, and the elimination of impurities of various kinds from the blood of the calf begins, in the form of pus, which is thrown out into the vesicles. At the end of six days the process of elimination has proceeded so far that the vesicles contain a quantity of pus, putrid cells, etc., and a scab has formed over the reservoir of disease.

The calf is once more bound and laid upon the operating table. The inoculated area is washed with warm water and each vesicle is clasped with clamps, separately. The crust is carefully removed with a lancet, and the underlying vesicles are thoroughly scraped with the edge of a steel instrument, and the dead skin cells matter that is exuded from the small blood vessels, etc., is transferred to a small crucible. To this horrible mass of putrid animal matter is added an equal measure of glycerine. The mass is then thoroughly stirred and mixed by a small electrical motor. As soon as it has been rendered homogeneous it is placed in another crucible and passed through a very fine sieve in order to remove the coarser pieces of rotten flesh, hair, etc. The mixture is again beaten up and thoroughly mixed, and is then transferred to tubes, and distributed throughout the country as pure vaccine virus.

It is this wonderfully compounded matter that our health boards, school boards, family physicians, and legislators, insist upon having introduced directly into the circulation of millions of school children every year.—*Physical Culture.*

## Physical Culture and Nervousness.

BY J. P. BEAN.

This is an age of "nerves." People go to all sorts of places and do all sorts of things, both reasonable and unreasonable, "for their nerves." Children are "doped" and dosed with all sorts of things "for their nerves." Young men and women have attacks of "nervous prostration" at the period of life when they ought to be as healthy and free from weakness as young bears. This most unnatural and deplorable state of affairs is due, in a large measure, to the social and commercial conditions created by "modern civilization." The wild, frantic scramble for the "almighty dollar," or its equivalent, in collateral value. This, with the resulting supremacy of those who are willing to barter their all of health or honor, often both, for wealth, places a large majority of "civilized" humanity in the position of having to keep up in the mad race for money or go down and be trampled under foot.

A few monomaniacs, known as "great financiers," initiate the game of "grab," and all who would get anything must perforce follow suit. A nice state of affairs when a few money mad lunatics can compel all the rest of civilized humanity to adopt a mode of life which all know to be inimical to both bodily and mental well being. But as it is, and the fever seems to be very contagious, men use up their energy and therefore have none to transmit to their offspring. Life force is bartered for gold, and the nervous bankrupt slave to millions spends vast sums of his worthless wealth in the vain effort to secure the health which should have been his chief inheritance. Too close application to business, over indulgence of the appetites, lack of proper physical exercise, the atmosphere of morbid excitement, which pervades society generally; the foolishly suicidal drugging habit, all

play their part in the making of this an age of "nerves." And the absurdity of it all is that nearly everybody knows that the whole thing is wrong; in fact, is not based on the slightest iota of common sense. Even physical exercise, so much needed and so little used, is generally taken in a way which is productive of the least possible good. It is taken spasmodically, at irregular intervals, and like everything else, greatly overdone.

Physical culture, as I have often said, is a science requiring long and careful study, and he who would teach it should know the human system at least as well as the average physician. Its study should be an important part of the education and its practice a prominent feature of the daily business of every really successful person. No one can be really successful without it. How much of his millions would John D. Rockefeller give to-day for the health and physique of William Muldoon? They are not far from the same age, and should have about the same degree of health. But while one is in the full flush of magnificent physical manhood, and has enough of wealth to make him comfortable, and the strength to earn more, the other is a poor, pitiable, broken down creature with nothing in the world but seventy-five or a hundred millions of dollars, not a cent of which he has the power to really enjoy. Now who is the rich man?

A lady with a very small waist the other day stopped a man, when getting into his buggy near our office, and chided him for having a tight check rein on his horse. The man replied, "Thank you, ma'm, he does not mind the check rein, but he'd kick like a steer if I'd put corsets on him." The lady swooned.

Men invariably overestimate their capacity. They never know when they have enough until after they acquire too much.

## Cursed Before Birth.

The sins of the father and mother descended upon a child brought to us the other day by its foster mother for a phrenological examination.

In making the delineation we expressed our pity for the criminal type of its head and our opinion that it was a born murderer, a victim of original sin, cursed before birth, and that its unnatural mother probably never wanted the baby. Education and moral training in this particular case would avail but little. It would be like casting seed on a stony ground.

These may sound harsh words to utter about a baby a year old, but science cannot lie. It reveals the whole truth, and that is what the foster mother wanted, the truth, and she replied as follows:

"You are correct in every particular. This child is the third one its mother has abandoned at birth. She cursed the child before it was born and she leads a fast life. Its father is a hypnotist. I have adopted the baby, but am getting tired. He is a powerful baby boy, with an angry temper. The other day something displeased him and he hurled his milk bottle at my head. His fingers and hands are soft as velvet, but I have to look out for claws. I am getting afraid of him and feel that he ought to be in some institution. I can freely give him up."

It is our intention to have the foster mother bring him before the members of our Evening Class. She has consented to do so, but for obvious reasons the baby's identity will not be revealed. In the interest of science our students shall see what it is to be cursed at birth.

Letters containing inquiry of any kind must have a postal card or self-addressed stamped envelope enclosed for reply.

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# Human Nature

A MONTHLY JOURNAL

—DEVOTED TO—

**Phrenology, Physiognomy and Health.**  
ALLEN HADDOCK, Editor and Prop.

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## HUMAN NATURE

### Phrenology Useful.

BY A. L. BILLMAN.

The science of Phrenology meets with opposition from the fact that the people do not understand its main principles. I hope the time is not far distant when it will be taught in our common schools.

Phrenology is destined to be of great practical utility. And all the people should be led to know that it is a useful science. Whatever can be made to augment human happiness or to promote morality and virtue, to diminish or alleviate human suffering, or in any way to improve mankind, physically, mentally and morally, is useful in proportion as it is capable of effecting those important objects. Phrenology is, therefore, useful as a science.

Carrollton, Ohio.

### Hits the Nail on the Head.

The *Popular Phrenologist*, London, says: "If men would but test instead of arguing around it—be practical instead of theorizing about it—Phrenology would long ago have occupied its rightful and highest position among the sciences."

We ask our readers to think over the above and then ask themselves how many men they have met who will argue and theorize over a subject, which, if they would theorize less and observe more, would know better what they were talking about.

### Building a Brain.

Prof. Elmer Gates of the Psychological Department in Washington continues his experiments of building brain cells, on the principles laid down by Phrenology, that the exercise of any organ of the brain brings the builders—the red and white corpuscles of the blood, to those parts, and builds as surely as the blacksmith builds the muscles of his arm, so that "moral perverts, may in time become good citizens," says Ella Wheeler Wilcox, "merely by syste-

matic development of the moral brain cells."

There is nothing new in this, Phrenology teaches it; always taught that the exercise of any faculty strengthened it and built it up, and every move made by Prof. Gates, every so-called new discovery corroborates Phrenology in every particular, especially in the location of the mental faculties.

The *St. Paul Daily News* makes some excellent comments on Prof. Gates' investigations.

Read in this issue about the making of vaccine, and then wonder why there are so many rotten teeth, etc., when children's bodies are being corrupted with such putrid matter from sick calves. Thousands in every community are invalided and ruined for life by this damnable vaccination business, the invention of deluded Dr. Jenner of England.

Wm. McKinley, one of the noblest men that ever lived, gave the medical profession its due when, after he was shot, he said to his secretary: "Look out for what the doctors will do. That I must leave to you." This is an everlasting and merited disgrace to the medical profession.—*Searchlight*.

When a note was handed to Dr. Fletcher in the pulpit intimating that the presence of a medical gentleman, supposed to be in the church, was urgently required elsewhere, the preacher read the letter out, and as the doctor was making for the door, fervently said, "May the Lord have mercy on his patient."—*Health*.

Will the reader who knows of Prof. P. D. McCutcheon's address kindly send it to this office. His last address known to us was Seattle, Wash., where he was making phrenological examinations.

The following inscription may be read on a tombstone in England: "I was well, I wanted to be better; I took physic and here I lie."

The Turkish and Russian Baths at the old established Hamman, 11 and 13 Grant avenue, are a luxury.



## HUMAN NATURE.

### The Saliva.

BY DR. T. R. ALLINSON.

The saliva or spittle is a thin clear fluid, poured into the mouth by the salivary glands. The glands which form it are placed near the ears and under the sides of the chin. The little canal which carries the saliva from those glands near the ears opens into the mouth near the second grinder in the upper jaw on each side.

The tubes from those placed under the chin open beneath the tongue, in front on each side of the bridle of this organ. The quantity of saliva secreted each day varies between one and two pounds. It is always being formed, but is increased by talking, sucking anything, by chewing, and by the thought, sight, or smell of food.

We all know that the smell or sight of food increases the flow of saliva by the fact that our mouth waters then. Those who are thirsty, or who have a dry mouth and cannot get a drink, or who ought not to drink, will often get relief if they suck a button, date stone, or even keep a little pebble in the mouth. Newly born babies secrete very little saliva, and it is not until they begin to cut teeth that the saliva is formed in quantity. When a baby begins to dribble water from its mouth the mother may be sure that her baby is going to cut its teeth.

When a baby cuts teeth it needs solid food, and for the proper chewing of hard food the saliva is needed to make it into a pappy mass fit for swallowing. The saliva is slightly alkaline; were it the least acid it would soon rot away the teeth. Persons who value their teeth should not eat lemons or very acid fruits, or if they do they should rinse the mouth out with water directly after doing so. In fact it is a good plan to rinse the mouth out after every meal; by this means the bits of food which would remain between the teeth are washed away, cannot ferment and so cause an acid which will destroy the teeth.

The reason why sweets are bad for the teeth is because the germs or microbes which are always in the mouth change some of the sugar into vinegar; this attacks the enamel of the teeth, and in time leads to their decay. Sugar causes toothache by irritating the nerve exposed in a decayed tooth.

#### USES OF SALIVA.

The uses of saliva are many, but the best known are to moisten the mouth and so help in easy and free speech; to mix with the food and aid in it being easily swallowed; also to keep the stomach bathed with a soothing liquid. If the mouth is dry from want of saliva one cannot speak easily for long, nor with a loud voice.

If there is little saliva one cannot properly prepare the food for the stomach, and indigestion may follow.

One of the most important uses of saliva is to aid in the digestion of the food. Saliva contains a ferment called ptyalin. This ptyalin has the remarkable power of changing starch into sugar. Anyone who eats bread, porridge, or puddings should make it a rule to eat a crust, biscuit, or piece of toast with these foods, because in chewing the dry hard food the saliva is mixed with the other foods and helps in their partial digestion before they enter the stomach.

#### Memorandums.

BY FRANK REED.

The fight against law and government is a fight against the cage that makes the animal less dangerous. Tear away the law and you turn loose the animal. The existence of law and government is not a sign of man's total depravity. It is simply his declaration to all human kind that he is fully aware of the fact that he yet has much of the lower animal clinging to his human organism, and that for the good of the race he wishes to guard against the liable attacks of this animal in the human form. We see in law and government man's wisdom and sense of justice. Experience has taught the race that it is not safe to

trust even the best-intentioned men to do as inclination would prompt, should there be no law and authority to deal with him after. Even the anarchists refuse to go on to an island in one body, regardless of the richness of the soil or how great its natural advantages. They are aware of the fact that anarchy was tried for long ages before there was law and order, a case of dog eat dog, the fittest to survive being those who could sleep with one eye open, ready to strike the first blow.

It appears from careful analysis that to burden the memory with details in the ordinary happenings of life is useless, in so far as strengthening the power to reason goes. That only is good to remember which teaches a new truth in a new light. A dozen copies of the same picture is not calculated to enrich the individual mind. The fire in San Francisco yesterday and the one over in New York to-day are so near alike, that to read of the one is to know enough about the other. It is hardly necessary to eat the whole hog in order to get a taste of the flavor of the meat. I am persuaded that the effort to remember the greater part of the names and dates in history is a useless waste of time. Facts are all that we should take especial pains to stamp upon the memory. We gain nothing by a laborious effort to remember whether the big fire in Chicago began on Wednesday or Thursday, or whether it was Shakespeare that wrote the works that bear his name or Lord Bacon. It matters little to my intelligence whether it was Homer who wrote the beautiful poems that have been handed down to us, or whether it was some other man by the same name. Some men take great pride in stamping dates and names upon their memories, but we usually find that such men are great in memory only. Great men have no time to waste in an effort to remember dates of battles and names of dead men. Facts we must have, and whatever dates and names cling to these, well and good. Eureka, Cal.

# OUR EUROPEAN TRIP

## CHAPTER XIX.

BATLEY, YORKSHIRE, NO. 8.

### REMINISCENCES.

After an absence of sixteen years, Batley, our former home, seemed somewhat strange. Some of the places and faces looked familiar enough, but there had been a great change, although old countries change slowly.

The buildings, old and gloomy, wore a sad look. The streets seemed so narrow and crooked, and houses so close and cramped, we could not escape the psychological effect of a smothered and cramped feeling, and for the time we realized what a Chicagoan said once on a visit to England, he was afraid the buildings were going to tumble on him. This is a feeling no one can understand until he has lived in America and returned to the old country.

Our entertainment was hearty and royal, but we could not escape a feeling of sadness in spite of it all; sometimes it was an effort to eat. We had returned to our former home, the scenes of earlier joys and sorrows, and the heart throbbed with mixed feelings of joy and pain. We had tasted the sweets of success in that old land and had drunk the cup of bitterness to its dregs. Sixteen years before we had left kith and kin to found a new home with our family, strangers in a strange land, and now, after all these years, had returned to see faces we could not ken, and old faces that seemed familiar enough, but time had withered and aged them greatly; circumstances had changed, some of our old friends had drifted as useless logs down stream; others had fought their way to wealth and fame. Some had gone to foreign climes; others had gone to that bourne from which it is said no man returns, and that was enough to make us at times feel sad and lonely among it all.

### FASHIONS HAD CHANGED

Greatly. The high stovepipe hat had gone, it was nowhere to be seen only on Sunday going to church. The democratic and comfortable felt-hat had supplanted it. Englishmen no longer wore the Burnside or Lord Dundreary cut of whiskers—the style was formerly “quite English, you know.” A democratic spirit permeated the very atmosphere. American customs and habits of the people in manner of doing business had trickled into their lives, especially in

### OTHER COMMUNITIES

Outside Batley. In Blackpool, for instance, the “American Soda Fountain” in an “American Drug Store” was conspicuous, the windows of which exhibited the glare and wealth of such proprietary articles as are seen in drug stores of San Francisco.

On the windows of a saloon in London we read that “American cocktails” and other American drinks could be had, but we were not curious enough to sample any of them.

The English working classes are not so well fed, nor do they work so hard, or such long hours as the working classes in America. Meat and food stuffs are dearer, and wages less—much less than in this country, but the people are just as crazy after football, cricket and other athletic outdoor sports as they were sixteen years ago, perhaps more so. This rule is general throughout England.

We saw more drunkenness there during our few months stay than we had seen during all the years we had lived in San Francisco. Drunkenness is England’s curse. English beer is stronger than the German lager, the favorite American drink. Wine drinking in England is not popular. Whiskey and beer are the popular drinks.

Singular to relate, there is ten times *less* crime in England in proportion to population than in America, although in a great majority of

cases in both countries crime is traceable to drink.

We lived in one town in England for thirty years, and only remember one divorce and about two murders. Magistrates grant a separation order but not a divorce. Divorces are granted at the King’s Bench in London, and are quite expensive.

There are fewer murders in England with a population of 32,500,000 than in California with a population of *less* than 2,000,000.

For those who have plenty of money, England is a good place to live in. No country in the world offers such safeguards to life and property as does Old England; but for the poor, God help them; it is hell!

### PATRIOTISM.

Yet in the minds of Englishmen at home or abroad, there exists a feeling expressed in the phrase—

“England, with all thy faults,  
I love thee still.”

The Irishman here thinks of his dear old Emerald Isle; to him no grass is so green as the old sod. The Scotchman cannot forget “Bonnie Scotland.” To the Frenchman no city is so lovely as “Paree” and no country so dear to him as “La Belle France.” The German loves his fatherland, but all love America, the asylum for the oppressed of all nations and the home of the brave and the free. To us who live “Down by the Golden Gate,” in the land of sunshine, fruit and flowers, we feel that we abide in an earthly paradise, and know that California is the brightest and rarest gem in Columbia’s crown.

### Of Course Not.

When at last a physician came and settled among them the people wondered.

“Nobody is ever sick here,” they said.

“Of course not, with no medical assistance at hand,” said the doctor, smiling at their simplicity, in spite of his determination to be courteous.—*Life*.

## Some Talk About Phrenology.

## WHAT IS IT?

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## PART II.

## YOUNG MEN

In these days have great opportunities for success, but to secure this the essential condition is to work in the right channel. Never before was it so important that time and energy should be economized. By attempting to do that for which one has no special qualifications, years of priceless value are lost. To be an artist without the artistic faculties is impossible, and so in every other line of effort. A chart made by a competent Phrenologist will unfailingly indicate the best choice of occupation.

In this age of fierce competition, concentration of aim is of paramount importance; nay, it is even a necessity. Only the man who plays his guns on one point will make a lasting impression.

A Phrenological chart will indicate the point on which you should concentrate.

## YOUNG WOMEN

Have a laudable ambition to do and be more than their mothers and grandmothers. New opportunities are opening to them, and it is only a question of effort in the right direction for one of only ordinary talent to rise much above the common level. If culture is wanted, one should know the capacity possessed; if a profession to be followed, special ability must be understood. If one's ambition is to shine in society, then the more thorough the knowledge of strong and weak points the more can be accomplished.

Phrenology is the only safe stepping stone to success, and women need it even more than men because they have greater mental than physical strength.

No woman, who is in any way dependent upon her own resources,

can afford to be without the self-knowledge that a phrenological chart would give.

## IN MARRIAGE

Men and women should be adapted to each other both physically and mentally. Two of the plump vital, the angular motive, or the sharp featured mental temperament should never mate, nor two having large Firmness, Combativeness or Destructiveness; nor should those having strong perceptive or reflective intellect marry those with the same faculties in the same degree. But there should be essential similarity of moral and esthetic sentiment as well as of social feeling. Phrenology alone points out these combinations, and its application in this direction is of the gravest importance.

In many cases it has saved noble men and women from uniting with those who were, or who became, selfish, tyrannical, depraved, or fickle, deceitful, ill-tempered and devoid of affection.

## HUSBANDS AND WIVES

Do not always live in complete harmony. This is due to imperfect knowledge of themselves and of each other. The sensitive nature of one is not appreciated or considered by the other who is stronger and more robust. Pride and independence, coming from large Self-esteem, are lost sight of, and impossible readiness in yielding is expected. The desire for approval coming from large Approbativeness, is not understood and it is withheld. People think they know each other, but Phrenology will open doors undiscovered, and let in new light, thereby producing much more harmony and perfect love.

Is anything more important than conjugal happiness? Not only are the feelings of husbands and wives involved, but the effects extend to all posterity.

## FAMILY LIFE.

More of harmony and helpfulness for one another would be found, if peculiarities of character and their

causes were understood. There would be more of charity and forbearance and the differences would be appreciated as desirable qualities helping to make a complete whole. A member of a large family in which each had Phrenological charts said: "We appreciate and love one another better than ever before. You have added very much to our happiness."

Where one seems to be lacking, a Phrenological examination may point out compensating strength and thus help to a perfecting of character. If one is peculiar this will show why, and so prove helpful and of great and lasting service.

## MEMORY

Is not a single mental power, as is popularly supposed. There are as many different kinds of memory as there are perceptive faculties. Some of these may be strong and others weak. For instance, one may remember faces, places and dates, but not names. Why should you stimulate your whole mind to correct a single defect of memory, when by a Phrenological examination you can learn exactly which mental element needs training? The usual systems of improving memory consist of exercises which involve the whole intellect, and thus needlessly fatigue many faculties which are naturally strong, but already overworked perhaps in the daily routine of business. Phrenology will thus show how to increase your memory in the shortest time, with the least labor and with the most definite results.

## CULTURE

Means harmonious development and refinement, and one of the first essentials in its attainment is a knowledge of one's natural strength and deficiencies. The man or woman in whom any of the more than forty primary faculties are weak, should first ascertain what needs to be strengthened and then the best means for accomplishing the desired result. Natural ability must also be taken into account in all endeavors toward higher culture. For example, musical culture would be impossible without musical talent, and so in all departments. Much time may be sacrificed in efforts to secure that for which ability is lacking. Phrenology will indicate the lines on which true culture can be obtained, and to what extent intellectual power and ability are possessed.

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## HUMAN NATURE

### WHILE WE SLEEP.

#### The Muscles and Organs of the Body Are Still Working.

If the organs of the body cannot be said to sleep, neither can the voluntary muscles, says a writer in *Ainslee's Magazine*. Witness the phenomena of sleepwalking, the postillions in stage-coach days who slept in their saddles and cavalymen who do it today, infantry who have been known to sleep on forced marches, sentinels who walk their beats carrying their guns in a fixed position while they sleep. For all we know policemen may do it too. People who talk in their sleep are familiar to all of us. Experiments made by Speir, Armstrong and Child on 200 college students of both sexes showed that 47 per cent. of the men and 37 per cent. of the women talked in their sleep.

A number of things might be proved by these statistics. Of these sleep talkers one-half of the women and one-third of the men are able to answer questions while asleep. More women than men could answer questions on any subject, not alone that of which they had been talking. It has also been found that most sleep talkers are under twenty five years of age.

Evidently, then, with the muscles and organs of the body all working, it is the brain only that sleeps, and by no means all of the brain. The senses of sight, hearing, touch, smell and taste may be very much awake while the subject sleeps. A sleeping person hears and answers questions, rearranges his bedclothing and covers his eyes to keep out the light; draws away his hand when the experimenter tickles it. A child is broken of the habit of sucking his thumb while asleep by putting aloes on it. He is conscious of the bitter taste and dreams of wormwood. The nerves, then, and the brain centers corresponding to them are awake. A busy lawyer, exhausted by overwork, one night went out to supper

with some friends; ate, talked and walked with them, and next day remembered absolutely nothing of the occurrence. He had not been drinking. The man was simply asleep during the whole evening. His conscious memory—that is, consciousness itself—slept.

### My Love of Long Age.

There are faces just as perfect,  
There are eyes as true and sweet,  
There are hearts as strong and tender  
As the heart that's ceased to beat.  
There are voices just as thrilling,  
There are souls as white, I know,  
As hers were when she went from me—  
My love of long ago.

New lips are ever telling  
The tale that ne'er grows old.  
Life's greys are always changing  
For someone into gold.  
But amid the shine and shadow,  
Amid the gloom and glow,  
She walks with me, she talks with me—  
My love of long ago.

When I think of all the changes  
That the changing years have brought,  
I am glad the world that holds her  
Is the world that changes not.  
And the same as when she left me,  
She waits for me, I know—  
My love on earth, my love in heaven,  
My love of long ago.

M. H. Browne.

### Eben Holden's Epitaph.

I ain't afraid.  
'Shamed of nuthin' I ever done;  
Always kept my tugs tight;  
Never swore 'less 'twas nec'sary;  
Never ketched a fish bigger'n 'twas,  
Er lied 'n a hoss trade.  
Er shed a tear I didn't hev to;  
Never cheated anybody but "Eben  
Holden."  
Goin' off somewhere now—dunno the  
way, nuther.

Two years ago we saw the following  
verse on a tombstone:  
All tears are vain, we cannot now recall  
her;  
Gone is her loving voice, her kindly  
face;  
Gone from the home, where we so  
dearly loved her,  
Where none again can ever fill her  
place.  
He wed again within three months  
of his wife's death.

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