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HIGHER SCIENCE



of the
MOTION of MATTER
A MAGAZINE DEVOTED TO
SCIENCE, TRUTH, INVESTIGATION
& MATTERS OF GENERAL INTEREST

FEBRUARY 1905

FRANKLIN H. HEALD
 EDITOR AND PROPRIETOR
 LOS ANGELES, CAL.

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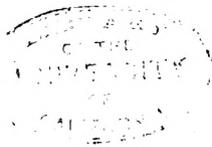
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HIGHER SCIENCE

OF THE MOTION OF MATTER

ISSUED MONTHLY AT IVANHOE STATION

FRANKLIN H. HEALD, Editor and Proprietor

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No. 2

CHEMICAL AFFINITY

In the December, 1901, number of this magazine, you may remember an article entitled, "The Geology of Coal in the U. S.," showing how beds of mud and debris are first formed in strata on the bed of the sea by any carbonous matter such as leaves, grass, weeds, and vegetables or woods containing carbon; how they are raised later from the western sea a soft, muddy, almost worthless article of coal; how from the summit of the Sierras to the summit of the Rocky mountains it is of much better quality, a first-class Lignite and millions of years older; how from the summit of the Rockies to the summit of the Alleghanys, it is still millions of years older and a bituminous coal of excellent quality, and finally from the summit of the Alleghanys to the Atlantic Ocean it is the hardest and purest anthracite, the best coal in the world perhaps, where it is gradually sinking under the sea. At that time I had advantage of 20 years' study and experience of coal on this coast, both West and East of the Sierras; and had proved to my own satisfaction that coal is not made from the burial of great bodies of carbon in the shape of timber, as is generally understood and taught by science, but that it is gradually gathered into stratas of carbon from the great beds of mud which deposit on the sea beds. It is a well known fact, and an adage of thousands of years standing that "like attracts like." Even Jesus Christ is reported to have said, "to him that hath, shall be given, and to him that hath not, shall be taken away, even that which he hath." This certainly holds good in all the elements which are mixed by water in the forming of drift. I have seen little seams of lime forming in very recent drift, drawing all the lime to this seam from both sides for many feet. To prove that it is doing so, it is only necessary to follow the seam down, and we find that as we reach older and older drift beneath, the seam of lime is wider and wider. I mention lime as an example, because it seems to be the first element in a drift to show this chemical action, perhaps because it is usually in larger quantities. In the case of coal the stratas lay horizontal to the curvature of the earth and attract from above and below at the strata where the mud is richest in carbon and gradually abstract all the carbon from ten or twenty feet above and below. The silica gathers in stratas next to the coal, forming

clays, and the sand is thus left to itself almost pure and forms sandstone. However there is always iron in some form which usually gathers to itself in the center of each strata of sandstone, in the shape of sulphides of iron, from which is made sulphuric acid. In this western country this strata of iron is usually made up of almost perfectly round balls of iron crystals of all sizes, often crowding into each other, the largest, being older taking precedence and making holes in those that come to close later. These are called 'sulphur balls' by coal miners and are exceedingly hard and very annoying to miners and drillers of oil wells, often breaking drills and well tools. They are so hard that when exposed by erosion of wash they often stand for centuries, protecting the sandstone directly under them from the rain until they give the appearance of great mushrooms. One such example in the Heald coal field near Randsburg, is some 20 feet high, the sulphur ball at the top of the column being eight feet in diameter. There are dozens of these stone trees or mushrooms of all sizes in this coal district and millions which have fallen until they are in great piles. When found buried deep in the coal mine the iron is in crystals, and has almost the color of the lightest colored gold, but when exposed to the atmosphere they gradually turn red or the color of iron rust. During the process of forming coal from the mud beds, there is a distillation taking place either from pressure or heat or both, which releases the oil or petroleum. In regard to this part of the subject I will respectfully refer you to Mr. William Plotts of Whittier, Cal., who is the best informed man on the subject, in the world, as well as one of the most successful. His discoveries and experiments have solved for him and his companies, what have heretofore been mysteries in the oil business. This releasing of the oil is a purifying of the coal and the process of purification goes on and on for millions of years as we plainly see as we examine the coal of the great basin, the Mississippi valley and the Atlantic Coast. Each of these divisions of coal show millions of years difference in age as well as a vast difference in the quality and purity of its coal. Not only does it show this difference in coal but also in the age of sandstone and clay. On the Pacific slope the coal contains dirt, sulphur, iron, etc.; the sandstone contains carbon, sulphur and iron. The silica is a soft clay, which in the Mississippi valley has reached the dignity of soapstone, and on the Atlantic coast is hard slate. Beginning on the Pacific Coast and going East, each of these four divisions of coal are surrounded by conditions millions of years older and a correspondingly purer condition of coal. While the Pacific Coast coal is often less than 20 per cent carbon, that of the Atlantic is often near 98 per cent. Since writing the article in December, 1901, number of this magazine, I have found further absolute proof of this motion of matter which attracts like to like in forming coal. In November, 1903, I had occasion to visit the

coal mines near Randsburg with Mr. Geo. Shirley, who is identified with the Vanderbilt interests in exploring for coal and iron. While waiting at the little station of Kramer, on the Mojave Desert, we had the pleasure of meeting my old friend Judge Manning of Randsburg, who had his pockets and hands full of pieces of what he termed "petrified yucca," which he had just gathered, and informed us would burn like coal and which we found to be the case. Now it is a well known fact that ordinary dead "Yucca wood" altho very light, will extinguish the best fire which can be built of desert fuel and I was of course greatly interested in the matter. This new fuel with which the Judge was loaded, was heavy, and upon examination we found it to actually be coal. The Yucca being carbon had drawn upon the soil for carbon to fill it with coal. Upon later investigation we found the best of it had been partially buried in the soil, but in many cases we found dead Yucca trees 30 and 40 feet high, which were carbonized as high as four feet from the ground. During our trip from Los Angeles Mr. Shirley who is a reasoner and investigator of a high order, had been reading and studying my theory of the formation of coal and this discovery of Yucca trees turning to coal, at once convinced him of the truth, *i. e.*, that coal is made by drawing and purifying itself from the deposits of mud and is still going on and will never stop as long as rain falls upon the earth and carries vegetable deposits of carbon into the seas or lakes.

TENDENCY OF HEAVENLY BODIES TO ELONGATE

By WM. PLOTTS

I remember that when a boy the school books' explanation of the tides by the pulling of the water by the moon, was not satisfactory to me, inasmuch as the pull on the less plastic solid portion of the earth ought to be as pronounced as that on the water. Anyhow, the fact that the tidal wave on the opposite side of the earth is as prominent as on the side facing the moon, shows that our conception of gravity, owing to our position on the surface of a dense planet, is a somewhat erroneous one, and makes much of the phenomena of the heavenly bodies obscure. In the first place, we must remember that gravity in approximate bodies cannot be dis-associated from a spinning motion.

We have all read surmises of the possible crashing of our earth into, or of being crashed into, by some body, and disarranging our orderly occupations, by transforming us into pulp. "Without benefit of the clergy." But no such thing does, or ever can, occur, for if any large body, in obedience to its impulse to pass in perihelion around the sun, should have a tendency to meet the earth ever so directly, it would be at once deflected, through its tendency to revolve, and through the tendency of the earth to revolve around

it, as soon as they came sufficiently into each others influence.

Now, as two bodies approach each other, in addition to their inclination to revolve around each other, they acquire a tendency to elongate in line with each other, and I have no doubt that the earth elongates daily, in the same manner that the water does, but not so greatly, owing to the resistance of the more or less solid crust. The flattening at the poles is largely a manifestation of that tendency to elongate.

The lateral squeezing and crumpling of the earth's crust into hills and mountain ranges, and transformation of land into ocean, and ocean into land, that has been going on for ages, is a result of this gravital power, which must have had far greater effects on the moon than on our own planet, as witness the extremely corrugated surface it presents, the friction it engendered having entirely stopped its revolution on its own axis. Judging by its effects on the earth, the moon must be nearly as elongated as an egg.

The reason that a bullet fired into the air returns straight to the earth, instead of revolving around it, is because it is so close to it, that it is practically a part of it, the immense pull having nullified the tendency to revolve. It will be noted however, that when meteors first become ignited by the friction of the atmosphere, they are not generally moving directly towards the earth, but approach it gradually in a curve.

Now my interpretation of Heald's law of Planetary procession, is that all bodies are falling together as fast as they possibly can, or rather, that all minor bodies are falling towards the sun as fast as they can, and will eventually join it, and in compensation, a like quantity of matter in an invisable and immensely expanded state, swells constantly outward, and condenses, and concentrates, into new planets, mostly beyond the orbits of known planets.

This being the case (and there seems no possibility of refuting it) there will be a time when each minor body will be absorbed by its superior, and my conception of this process is, that it is as orderly and deliberate as its whole approach to its goal, and that one phase of this process is in full view, in the planet Saturn and its rings.

The tendency to elongate would become so acute as a satellite neared its superior that it would be slowly separate into two or more parts, which would become widely separated in line of its increasing elongation; at the same time, the tendency of the disintegrating fragments to surround the superior planet (as I showed in a former number), would overcome their tendency to lump together, that they would have when in less proximity to a large body, until they formed complete rings, which of course, would retain the revolution around the planet, and as they neared it, the inner fragments, impeded by the atmosphere, would descend as meteors, and in the course of ages, the rings would melt away.

AERIAL NAVIGATION

Mr. A. L. Reynolds of this city, whose portrait is this month's frontispiece, is a young man of forty-five, who has undertaken the solution of ariel navigation. I have known Mr. Reynolds personally for about twenty-five years and can therefore testify to his sanity. He proposes to solve this great problem by studying and using the laws and principles used by birds in their flight and his ideas are based upon scientific principles and mathematical precision. He draws a distinct line between ariel navigation and ballooning. He rightly believes that navigation means, to start at a given point, proceed over a given course and if desired, return to the point of starting; while ballooning is simply raising in the air, drifting with the air currents and taking chances of landing safely on the earth without the loss of life. Mr. Reynolds has been experimenting and studying for about a year and has constructed and discarded five machines and will soon construct another which he believes he can learn to operate successfully. All must depend upon balancing and speed and after he has constructed the proper shape of wings and rudder to which he can properly apply the power of his arms, legs and body. He must practice until he can safely leave the ground. To do this without danger he must first use a lifting power of gas, which will keep the machine right side up until he has mastered the use of wings, rudder and air currents. In learning to swim in the water, we must first have some "float" until we can acquire the proper motions. In learning to skate upon the ice, we must first be supported until we can learn the proper motions and balance. The same is true in riding a bicycle, which is by the way, more nearly related to flying than any other flight yet attained by human beings, inasmuch as success in cycling depends largely on speed and balance. It requires great patience and practice for an adult to ride a wheel without danger, but once acquired it becomes almost natural. The young child learns, however, with almost the same ease with which the young bird or insect learns to fly. Mr. Reynolds took one of his machines to the World's fair at St. Louis last year, but found the environment there was more for spectacular show, drawing large crowds to watch large gas balloons and draw large gate money. He therefore came home to perfect his machine and practice operating it correctly. While at the Fair, he had the advantage of meeting with the committee on ariel navigation and explained to them many former mysteries relating to the flight of birds. These are especially interesting to me, as they are along the line of the motions of matter which I have been teaching by the theory of a Procession of Planets and in this magazine. At one time, while considering the flights of birds, the committee were asked by letter, why heavy birds fly faster than light ones. This questioner cited the case of the great South American

Condor, which is the second heaviest known bird of flight. He will light upon his prey and after gorging ten pounds of flesh, will take flight and remain in the air for four days, soaring almost without the motion of a feather. The first day of his flight he moves at the rate of 75 feet per second, taking advantage of the power which air currents give him and the opposite power of gravity or falling. The fourth day he moves at the rate of 40 feet per second, and so gradually losing speed daily, until his food is gone, when he is hungry and again settles upon his prey to feed. Mr. Reynolds was the only person who could and did explain this apparent mystery. He showed and proved by mathematical deductions, that the Condor lost speed in an exact ratio, as he lost weight, and therefore that upon his weight must depend his ability to fall or his speed. Balancing his great wings to take the lifting advantage of the air currents, his weight or falling power was greater, therefore his speed greater than when he was 10 pounds lighter after his long flight. The scientists are now investigating Mr. Reynolds' explanation and must eventually indorse it. It is the same law which proves the fall of a planet to the sun. The planet is heavier as it nears the sun, because the force of gravity is greater as it approaches, and it gains speed in a regular ratio. The speed of Neptune, 2,800,000,000 miles from the sun, is 250,000 miles per day, while the speed of Mercury, 33,000,000 miles (average) from the sun is 2,500,000 miles per day, or ten times as great and the sun's attraction increases in exact proportion as they near it. Mr. Reynolds delivered an interesting lecture on the subject January 15th, before the Progressive Club in this city, and arrangements are being made for another before the Liberal Club, which I hope may be heard by hundreds of interested listeners.

WAR AMONGST THIEVES

By WALTER COLLINS

As one of the side issues of the violent religious spasm now adding the brains of the weak minded of this city a great organized band of loafers is waging war on an organized band of gamblers. In other words, the clergymen of Los Angeles are endeavoring to drive out their chief competitors, the sports, gamblers, pimps and touts that infest this city and hold forth at Ascot park. The rich and fierce vocabulary of invectives and sacred anathemas that seem to be always on tap with the man of god, when denouncing everything but his own graft, has been turned loose upon the aforesaid grafters and their kind.

The Atheist can look calmly on and wish them success, for of the two evils there is little choice. Should the result be a Kilkenny cat affair, the community would be the gainer.

One eminent divine used these truthful words: "THE PEOPLE OF LOS ANGELES MUST SUPPORT THESE PARASITES: THEY MUST BE FED UPON THE BLOOD AND LIVER OF THE BEST WITHIN OUR GATES." Every burning word of which is a brilliant fact and had he been honest enough to include the clergy of this city, it would not have dimmed its lustre.

Between the preacher parasite and the gambler parasite, it is only a question of methods. They toil not, neither do they spin; and Solomon in all his glory of vice and shame was not arrayed like either. They are the upper and nether millstones between which the blood, brawn and virtue of the country is sacrificed.

This much can be said of the gambler; like the wolf, his errand is known and his ways are open, all are fish that comes to his net and generally speaking the fish know their doom, for most of the suffering that he entails is upon people who try to beat him at his own game. More than one minister of the gospel of this city knows that by experience.

With the long coated merchant of superstition the case is different. For him, the ignorance of centuries has prepared the innocent for an easy and unsuspecting prey. In the guise of a trusted counsellor he is admitted to the homes of his dupes at all times and without question; facts of private life that are not mentioned in the family, are laid before this emissary of god. Using trust for opportunity, he has committed every crime in the calendar, as the four thousand convictions in the book called "Crimes of Preachers," giving the court records, will show.

Does it not then come with a bad grace for preachers to denounce gamblers? It would be more in keeping with Christian practices to consolidate and plunder the people without the evils of competition.

One holy man made the statement that he knew of three millions of dollars of defalcations, within the past year, because of gambling. That is doubtless true, but, does that excuse him, for his part in wringing three hundred millions from poorly clad and ill fed humanity for the glory of god (?) and the preachers' purse?

One well known divine, pictured in eloquent words the downfall of innocent girls through "midnight suppers and other orgies," but with an eloquent silence that was most oppressive, he passed the hundreds of girls who have been led to destruction through the prayer meeting and the revival. To any one but a child, a midnight supper is warning enough, but churches, class-rooms, Epworth Leagues, Y. M. C. A.s and kindred Christian institutions, whose names are legion; purity and innocence is poured forth to its doom. Let the gambler go, and with him, his legitimate twin, the priest of whatsoever denomination, chained to him and weighted and cast into the sea of oblivion. "A plague on both your houses."

A number of those who have sent petitions for the protection of women against priests and parsons have received acknowledgement from Senators and Congressmen, with promises to attend to the same. Don't hesitate to send in your petitions. Whether the law is ever passed or not, it will do an immense amount of good to agitate the matter. We can never accomplish this good unless we try.

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Reginald Coryell, Editor Custer, Idaho.

	<h1 style="margin: 0;">EDITORIALS</h1>	
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Two moons have lately been discovered in the solar system, one attending Saturn and the other Jupiter. This gives Saturn nine satellites and Jupiter six.

Poets are of two varieties, good and bad. The good ones are insane (sometimes temporarily) and the bad ones are foolish (usually permanent).

The Progressive Club held a large Paine memorial celebration in Blanchard's Hall the evening of January 30. Every year these meetings are better attended and always by the intelligent and honorable classes.

So many interested readers have written to inquire how the editor was cured of the dreadful Loco-Motor Ataxia, that he has concluded to give his four years' experience in a short article soon, so that each one can be his own judge of the cure.

Notes and Queries magazine of Manchester, N. H., has appeared again and better than ever after its rest of several months, caused by the death of one of its owners. It is now published by S. C. Gould alone and began its XXIII Vol. January 1, this year.

A true Christian must hate his father, mother, wife, children, brothers and sisters and yea, his own life also, but he must love his enemies, sell his garment and buy a sword. Behold the naked christian with his sword, looking for another whom he may kill or burn at the stake.

It is a well known fact that, according to their numbers, a thousand times more crime is committed by the Priests and Parsons of the Christian religion than by any other class. There seems to be no way to prevent it as long as women are allowed to believe the monstrous doctrine of vicarious atonement.

This city is now suffering from an attack of emotional insanity, which is an epidemic known as a "revival." All the old backsliders, who have had it in times past, are coming down again, "seeing things for Christ's sake, and lying for the glory of God." There is not much hope however, that they will get it bad enough to pay their honest debts and taxes.

The Liberal Club met January 1st, and elected officers for 1905, as follows: President, Walter Collins; Vice-Presidents, Mrs. E. P. Fremot and Prof. Morey; Secretary, Frank Southerland, besides the usual committees. A mammoth Paine celebration was held January 29th, at the Burbank Hall, where they will continue to hold Sunday evening meetings this year.

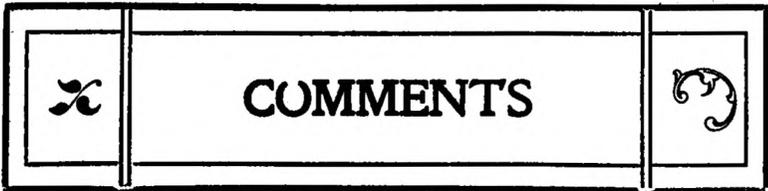
Ten members of the Los Angeles Liberal Club donated \$1.00 each to the Public Library, of this city towards the purchase of the Dresden edition of the works of Robt. G. Ingersoll. They placed them upon the shelves of the circulating department, January 14, 1905. This is as it should be. We believe however, the Roosevelt's books should be taken out because they are not true.

Send one dollar and four names, including your own, if you like, and each of the four will receive HIGHER SCIENCE for one year. This is a ridiculously low price but we have decided to secure 20,000 subscribers this year. Can you not help us in this great work of educating the masses out of the curse of christianity? It will only take a few minutes out of a year on the part of our friends to do this. Mention it to your friends and show them this number of the magazine.

The Paine memorial celebration held by the Liberal Club in the Burbank Theatre building, was a great success and large numbers could not secure standing room and were compelled to retire. Such a vast sea of intelligent, honest faces was never seen inside of a Christian church. The time is fast approaching when even the colored people will be ashamed to be seen in company with the elect.

A friend writes to complain that this magazine is too much of a critic and asks why we do not write more of what we do believe. The reason is simple enough and because we do not believe anything which we can not see or measure by one or more of our six senses, the last and best of which is Reason. Faith in some scheme originated by some wise man with a thousand wives or some drunken profligate, "after god's own heart," does not amount to belief, with HIGHER SCIENCE.

Warren Wolf of Ryan, I. T., writes us that he is very much disappointed in freethinkers failure to respond to his call for help in the case of our starving and dying cartoonist, Watson Heston. HIGHER SCIENCE is not surprised but "gives up" when it comes to offering a reason. It is a shame that we allow him to die thus, without the necessities of life. We know that if each state would contribute as much as one noble and generous man of Southern California has done, there would be \$10,000 in the treasury for our unfortunate friend.



* * * Although Prof. Haeckel is considered to be one of the leading scientists, yet we shall have to protest against his statement that an intelligent, controlling cosmic power does not exist. * * * Haeckel must have left reason, experience and observation and have resorted to blind faith when he made such a glaring error as to say that there is no intelligent, controlling power in Nature.—*Adept.*

Prof. Haeckel is intelligent enough to realize that if there was an intelligent controlling power operating nature, it would be continually changing its mind, becoming jealous and angry, repenting and cholericly destroying what it had made. He would also wonder who made this intelligent power. HIGHER SCIENCE still owns the \$1,000 which we offer for any power or motion or shape of matter not made directly or indirectly, by expanding or contracting of matter by different degrees of heat.

A part of Thesis. 7, of Monoism, says:

* * * There is no dead matter; there is live matter with and without consciousness; the latter is alive, though unconscious, same as a man under an anesthetic. As a physician can bring consciousness to an unconscious man, so the Great Dynamis can bring consciousness to unconscious matter. The term, Nature, refers to the aspect; Great Dynamis to the moving forces.

This is of course a mistake. Matter could not live without some consciousness. Its consciousness may be so low that the human brain can not perceive it, but it must feel the increasing or decreasing heat in order to move and if it feels, it is conscious.

Sam. xi, 3. Spare them not, but slay every man and woman, infant and suckling.—*God.*

Not long ago the Editor was accosted by an uncouth individual, who said, "You are another man who don't want to be cured." After some senseless bantering, he handed out a card upon which was a lot of scriptural quotations about healing the sick, etc., and the following advertisement:

Bro. W. F. Hanley of Ind. will hold meetings every dav at 1 p. m., commencing Monday, Jan. 28th, for the healing of the sick and casting out devils.

We informed him that we would not like to trust a valuable life in the hands of a mob who were ignorant enough to believe in witchcraft. His face then assumed the genuine christian hatred which intimated that we deserved to be burned at the stake.

Luke xix, 27. But those mine enemies, which would not that I should reign over them, bring them hither and slay them before me.—*Jesus Christ.*

In a long interesting letter from Mrs. Lee Garcelon of 2622 Wallace street, Chicago, subscribing for HIGHER SCIENCE, she shows a rare understanding of the motions of matter. Remember too, that she is a woman. The following is part of her letter:

* * * In fact I am so thoroughly a materialist that I believe the mood in which I write this and the mood in which you read it, are forms (or motions) of matters, and hope that after billions of years have refined and brightened the race, that we shall be able to discern the slightest fancy of the brain with the naked eye, and perhaps have faculties for measuring and weighing motives and impulses, the same as we now measure lumber. Is that extravagant? No more than Fulton seemed when men stood on the banks of the Hudson and hooted him for presuming to run his boat with steam. * * *

Nelson Tell, of Phillips, I. T., writes an interesting letter, and makes the same complaint that many others have made, that the magazine does not reach him regularly. He says:

* * * I am not getting HIGHER SCIENCE regular. What the trouble is I do not know. I have not received it more than six times since I subscribed a year ago. I like it very much and will gladly renew my subscription, provided I can receive it. I take five other Freethot publications and they come as regular as clockwork. I am greatly interested in your theory and motions of matter and believe it is getting close to the real facts. It makes the bible creation ridiculous * * * will take the new book as soon as published. * * *

There is one great intelligence, one spirit, one purpose actuating every human being. The "Plan of Salvation" is not a mere superstitious myth. There certainly is a "plan," a "divine event," which we are all working at, whether we know it or not.—*Nautilus*.

Elizabeth is only human and a woman, but if her faith makes it true, we are glad that we do not know it. We dislike the idea of having to kill these sons of gods and virgins, in order to be saved, altho we admit, it is better to kill them perhaps, than to allow them to divide and destroy human families.

John Gurntz, Jr., of Wausau, Wis., who is a boy of eighteen winters, writes a most interesting letter, showing his unusual understanding of the truth, of which the following is a part:

* * * Your Procession of Planets contains many changes, revisions, etc., all of which show that you do not claim to be infallible as the Pope, and that you have a greater chance to improve than the perfect ones, for which I congratulate you. Also for your braveness in brushing away your previous mistakes publicly. Put my name down as a subscriber for the \$2.50 edition. It is intensely interesting. * * *

* * * In an educational way the people are taught almost anything else except domestic economy. Homes are established by people who know how to build and decorate a house, play a little on a piano, paint a little, possess a smattering of general knowledge, but, as a rule, ignorant of every detail of buying, preparing, combining and cooking a dinner. * * * —*Stuffed Club*.

J. B. Elliott of Philadelphia, writes to President Walter Collins and the Liberal Club, the following information:

* * * It may surprise you to learn that your club stands first in

doing justice to the memory of Thos. Paine. It may be briefly stated as follows:

1st—There are more members from your state in the Paine Memorial Association than in New York, Pennsylvania and Massachusetts combined.

2nd—The programs of your Paine anniversaries excell any in the United States.

3rd—The Paine Memorial Hall of Boston owes its impetus to the large donation made by that sincere admirer of Thos. Paine, Mr. Jas. Lick, whose donation of \$18,000 to the building fund showed his practical forthot and appreciation of Paine's life work and religion. * * *

Edward E. Gore of Lawrence, Kan., says:

* * * Nothing has done me so much good lately as to hear you're cured of locomotar ataxia. Never heard of a Christian being cured of that disease, so it seems an honest atheist finds more favor in the sight of god than the "just man that needeth no repentance." Wish you would tell us in a coming issue (if not a secret) how you were cured. * * * Christianity is not worthy of the serious argument of a sensible person and deserves only ridicule and laughed out of existence. Watson Heston has done more good with his cartoons than all the logical works ever written. * * *

The Truth Seeker has received from Gopalchaundra of Bhawanipur, Calcutta, East India, the manuscript of an article on Elementary Matter, superscribed as follows: "A copy forwarded to the editor, Truth Seeker, 28 Lafayette place, New York, requesting him to publish it in his renowned magazine with the intention that it may receive attention of the public. Any notes, objection, etc., will receive the most careful attention." The article is a copy of a letter addressed to F. H. Heald, Esq., of Los Angeles, Cal. The Truth Seeker regrets its inability, due to lack of space, to print what Babu Gopalchaundra has written, but we would advise our correspondent that Mr. Heald is himself the publisher of a renowned magazine, in which the matter would most appropriatly appear.—*Truth Seeker.*

The letter referred to above is a long and very interesting one and learned diagnosis of HIGHER SCIENCE theory of the motions of matter. This Indian philosopher has a theory which in some respects conflicts with a procession of planets theory. He has sent a copy of his theory, which we will comment upon when it arrives.

Job I 9. Doth Job fear God for naught? Hath thou not made an hedge about him, and about his house and about all he hath on every side? Thou hath blessed the work of his hands and his substaneec hath increased in the land.—*Saran.*

To the Editor:—In the September number of HIGHER SCIENCE is an item which reads, "J. B. Barnes of Pittsfield, Me., sends us his pamphlet, why do men die? He believes the cause is to be found in sexual inetr-course and cites Adam, Eve and all the old saints. He talks about Jesus Christ considerably, but not in that connection, no doubt forgetting that Solomon lived the longer of the two."

I wish to say to the editor of HIGHER SCIENCE and every one that has read the item, that J. B. Barnes of Pittsfield, Me., never sent you a pamphlet on that subject, never wrote one and never heard of one until the item appeared in HIGHER SCIENCE.

He does not believe that infants which die at the age of ten days or ten months are sufficiently afflicted with sexual intercourse to produce death.

12: does not believe that there was any Adam and Eve, and has very little confidence in the old saints.

He doesn't talk very much about Jesus Christ, because it is a waste of wind to talk about something that never had an existence.

He doesn't believe in the Immaculate Conception, nor in the Holy Catholic church, nor in salvation by faith, nor in vicarious atonement. He entertains some doubts about the story of Jonah, and the fiery furnace, and has not much faith that there was a flood five miles deep, but there is no doubt but that God commanded the Jews to murder women and children by the million, because they were innocent and defenseless. There is no doubt that Samson tied fire brands to three hundred foxes' tails, God being an accomplice, he of course prevented the brands from burning the foxes' tails. You can see by the foregoing that J. B. Barnes of Pittsfield, Me., has sins enough to answer for, without having such a piece of folly as that pamphlet laid to his charge.

Respectfully,

J. B. BARNES.

We are now trying to find out how the mistake occurred. Will the author, if he sees this, please drop us a line and oblige?

BELLINGHAM, Wash., November 28, 1904.

Friend Heald:—Yours of 21st inst. at hand all right. Thanks for the little souvenir; it is pretty and useful. You remarked in your letter that if you did hear from me soon to the contrary you would publish a part of my letter. I don't remember now what was in it, but here are some facts: The human brain is divided into three grand divisions, viz: the animal, the superstitious or spiritual, the intellectual—the animal in the back base of the head, the superstitious in front and above the animal, then in the front and upper part of the head is the intellectual brain that never committed a crime. Where the animal brain rules it will commit any crime it can think of. Where the superstitious brain rules it builds itself some kind of a god or takes the other fellow's word for it (a drunken priest for instance) and spends a goodly part of its time and means in worshipping the same. The intellectual brain never worships the god of the superstitious brain or any god; in fact, the intellectual brain says there is no such thing in all eternal space. The only abode of a god is in the superstitious brain. There never was a human on earth that succeeded in getting away from its own brain. There is no person on earth that can build better than he can think. When the human was building the Christian god he had a cruel superstitious brain and of course could build no better. There was but few men in those times that were ruled by the intellectual brain and as fast as they were located they were burnt at the stake alive. But the process of evolution is producing a larger per cent of intellectual brains every generation. What brain constituted the Rome congress last September. Compare it with A. D. 1600. Yours for progress.

B. F. SMITH...

Many friends have inquired what method HIGHER SCIENCE would pursue in ridding the earth of the curse of christianity, in case the editor was given the power supposed to belong to a god. Well in the first place we would not knock their brains out on the door-posts of their homes; we would not burn them at a stake, or torture them to death on the rack or murder them as they have always done to unbelievers. We would not throw the maidens alive to the brutal soldiers; we would not slay with the sword, utterly old and young, both maids and little children and sucklings, as our dear heavenly father did. We would simply stop their reproduction and let nature remove them naturally, as they violate her laws.

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