

HIGHER SCIENCE



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

JUNE, 1903

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EDITOR AND PROPRIETOR
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HIGHER SCIENCE

OF THE MOTION OF MATTER

Vol. III

LOS ANGELES, CAL.

No. 6

CAUSES OF THE GLACIAL PERIODS EXPLAINED BY THE PROCESSION OF PLANETS.

According to the theory of a procession of planets, the planet Mars is just forming its crust (See HIGHER SCIENCE Vol. I. No. 10, p. 1 to 5), but being smaller than a regular sized planet (105*) has cooled faster and is really much in advance of what the earth or Venus were at the same orbit, because they are so much larger. I have pointed out the fact that Mars is almost a level plain and has no mountains (109) as yet, of any consequence, as shown by its scattered lakes and canals; and that its winters while they are a whole year long, only make small polar caps of snow, which quickly melt away when the winter pole is turned to the sun, notwithstanding that there is but one-fifth as much heat from the sun at Mars as at the earth. This must show that Mars is very hot within itself. Now as Mars con-

tinues to cool, we can readily understand that the ice and snow of the poles will reach farther and farther towards the equator during its long winters, and we have on our own earth the sure evidence that such was the case here, by the ice deposits in circles parallel to the poles. This happened millions of years ago when the winters were much longer altho the earth itself was hotter. It is so much colder at the orbit of Mars, that if any portion is turned away from the sunlight for a whole year it must be very cold indeed and we can see that altho the interior heat is closer to the surface the snow and ice would reach as far as the shadow line per-

* Numbers in parentheses refer to notes in "The Procession of Planets."

haps and the annual deposit of iceburgs might easily reach the equator after the planet's crust became thick enough to allow the water of oceans on its surface. We can see that the ice from the poles of our earth at one time reached farther and farther towards the equator and that later as the earth neared the sun and the winters are shortening and the sunlight getting hotter, these lines of ice drift have again receded towards the poles and are now actually perceptibly receding; at least showing that they have been comparatively recently farther south from the north pole. Even tho the earth itself was much hotter, we can readily understand how this could take place when we consider the larger length of its orbit and the consequent longer time of winter. We know that even now the last part of the winter is the coldest and we can imagine how cold it would be if the winters were continued say three months longer, as they were when we were half way between our orbit and the orbit of Mars. At that position the crust must have been formed and the water a permanent fixture on its surface, so that nine months of winter would no donbt be a much greater producer of ice and snow, than say half as long a winter now, with $2\frac{1}{2}$ times as much sun warmth, even if the earth itself was hotter. The rings of drift are also good evidence of the former existence of the facts, which the conditions of such a process would force.

THE PROCESSIONAL THEORY.

Mr. J. S. Steiner of Lexington, Ky., asks the following questions regarding the theory of a procession of planets, which we believe deserve to be answered thru the magazine as they are important to new students of the theory.

1. Is all we know of nature, its phenomena or methods of motion? Do we know what an atom is or whether it really exists, or is it simply adopted for the purpose of explanation?

We know that heat must change solid matter into

gas of thousands of times greater bulk and we know that white light vibrates one thirty-nine thousandths times in the length of one inch, therefore our reason can draw no other conclusion than that they are one thirty-nine thousandths of an inch in diameter. [See HIGHER SCIENCE Vol. III. No. 4, p. 94.]

2. Is all nature matter?

It is matter and the motions or vibrations of matter. Light, sound, heat, electricity, life, thot, etc., are motions of matter.

3. Is matter eternal (uncreated) with all its properties and forces.

Matter is eternal, but its motions are made by its expanding and contracting by heat and cold.

4. Is matter composed of atoms of various sizes and kinds?

Yes, the atoms of white light vibrates 39,000 times in an inch (238). The atoms of solid matter are crystals bounded by straight and parallel lines.

5. Is force, matter in motion?

Force is the phenomena of expansion by heat in the positive and the falling weight in the negative condition. The expansion of heat raises matter up from its center of convergency and when it crystalizes or contracts it falls back and creates the same force (which may be any of the motions of matter) which it cost to raise it by heat.

6. [See 5 which is an explanation of the same.]

7. Is the source of all motion in our solar system from the sun?

The origin is in the sun, except what little comes as the motion of light from other suns.

8. Are heat and electricity, when active, manifestations of matter in motion?

Yes, and they are always active because only motions or the jarring of matter.

9. Does the sun throw out by centrifugal force the atoms of electricity and all other atoms, to the limits of our solar system, the atoms prevading all other matter?

No. All space and solid matter as well, are composed of atoms either expanded by heat or crystalized, and the phenomena of electricity is but a jarring or motion or vibration of these atoms having its origin or creation in the center where the force of expansion is produced. When we "make" electricity we must create the friction of expansion by force originally derived from the sun. Once having created or regenerated this force in the shape of electricity we can change it into any of the phenomenas of force by changing the rate of its vibration.

10. Is the constant jar or waving of the atoms of gas by the centrifugal force of the sun the cause of light?

It is caused by the jar of expansion of solid matter changing into gas at the sun as solid matter falls back and returns the force which it cost to expand and raise it originally. The only influence the revolving of the sun has on the atoms of expanding gas, is to give them the motion of an orbit around the sun from right to left which they never loose (32), even when crystalized into dust in the region of nebula beyond Neptune where the new worlds are formed by the gathering of this dust into bodies.

11. Are atoms of electricity and their movements the most subtile and interesting to the student of nature?

No, electricity is only a slower vibration of the atoms of expanded gas of matter, light being the most rapid, producing illumination.

12. Have atoms of the same kind an attraction for each other, a tendency to get together or crystalize?

Atoms are repulsed from each other by the expansion of heat and attracted by contraction or cooling. The force of contraction is magnetism which is proved by the fact that magnetic attraction can be destroyed by heat (expansion).

13. Does the sun heat the earth not only by radiation but also by putting in motion the latent heat here existing?

Heat from the sun is transmitted to the earth the same as light, by the vibrating of the atoms of expanded matter. It is the force which is required to raise matter by expansion transmitted to the earth causing the friction of vibration. [See HIGHER SCIENCE Vol. I. No. 12, p. 3. Law XVII. Also Vol. III. No. 4, p. 94 to 98].

IS THIS A THIRD FORCE?

The Phrenopathic Jol., of Bangor, Me., republishes our comments upon the "powerful it" which operate the human mind or consciousness and says:

"The suggestion of a 'spook' seems to have much the same effect on our good friend of HIGHER SCIENCE as a red rag on a bull; he sees nothing but the 'spook' until he has downed it. Sometimes he thinks he sees the suggestion of a 'spook' where it is not and he hammers away at his imaginary spookship with all the vigor of his energetic mind, as in the above instance.

"The 'powerful IT' mentioned in the quotation from *The Phrenopathic Journal* is, as Bro. Heald truly observes, 'not a mysterious spook at all,' nor was such an idea entertained by the author of the article from which the quotation is made.

"We have not had the pleasure of reading Bro. Heald's book explaining his theory of the 'Procession of Planets' and cannot, therefore, say how far we may go with him, but with all due deference to his scientific scholarship we must say that his brief explanation of the 'powerful IT' does not in the least explain.

"We fear that when he sharpened his spear (pen) and sent it after us that he forgot to finish what he meant to say, for while he very concisely described the *mode of action* of this omnipotent IT, he neglected to state that the omnipotent IT is an IDEA. We feel sure a clear thinker must have recognized the fact that the Creative Human Ideal is now and always has been that 'IT' which has directed the action of the universal substance.

. . . . "That 'all nature is dual; male and

female ; positive and negative ; contracting and expanding ' is without doubt true. This thought is not new for we have ourselves been teaching it many years, and before we so taught it had been the teaching of others. But if this were *all there is* of creation there would be no varying forms of life and activity for in mere contraction and expansion without intelligence there could be no basis for varying formations of sentient life.

. . . . "Contraction and expansion are modes of force but the formative power is always an idea. No rational reasoning can disprove the truth of this statement whose truth is proclaimed in every existing person or thing."

We are ready to admit that there is intelligence, ideas and ideals in life (in motion, not creation) but that it is the expanding and contracting of the ions of the protoplasm of the nervous system, which forces this intelligence, and that intelligence is but a force. We have shown how the worm is forced to crawl back and forth [HIGHER SCIENCE Vol. I. No. 8, p. 11]. When he is hungry he is forced by the pain of contraction to crawl towards the light for warmth and to eat the bud (Vol. I. No. 10, p. 7) and we call it intelligence. When he has eaten it and it is disintegrating and thus furnishing him with heat (force of expansion) he is uncomfortable in the sun and is forced to crawl back into the shade for comfort, and we also call that intelligence. It is not instinct, universal intelligence or anything "spooky" which tells him to crawl or the direction to crawl to find heat, when he is cold, or to find cold when he is hot ; he simply feels it, the same as we can shut our eyes and tell in which direction is warmth or cold. We feel the force of heat or the absence of it. The first motion of life is fermentation (so is the last) as of course the *Journal* will admit, which is the force or expansion of heat and what intelligence there is in it, is therefore a part of the same force and the evolution of the body of the animal or man which comes from it and the evolution of its nervous system or intelligence, ideas and

ideals must be by the same forces, *i. e.* expansion and contraction. Now if an idea or ideal, or intelligence, is really a force outside of expansion and contraction of matter by heat and cold, and Bro. Close can prove it, he is entitled to the \$1000 which HIGHER SCIENCE always keeps on deposit for the person who will produce a force or motion of any kind made in any other way. What we want is to get at the exact truth, and the question is not who is right or who is wrong, but what is true. If "the universal substance (matter) is now and always has been directed by the human ideal" (even before there were human beings), instead of the human ideal being directed by the expansion and contraction of universal substance, it must be a third force; just what the 50 double headed eagles on our \$20 gold pieces are looking both ways for.

THE TRUTH ABOUT LIARS.

The man who insists on telling the truth, is always in trouble and must expect to be, because people do not want to hear the truth and especially when the line drawn by truth, leaves them on the side of dishonesty. From birth we are taught to evade the truth by implication, word of mouth, action and example. Every example set before us from god, up to the president of the United States, or the honest (?) old farmer who puts the big potatoes on top, are prototypes of exaggeration. The thotless people who are the great masses (we might omit the m) will always encourage and cheer the man who misrepresents and deals out mystery, and throw filth at the party who tells them the honest, simple and homely truth. God tried to deceive Eve when he said "in the day she eat of the tree of knowledge, she would surely die;" but for all that and that we all know he told her a hardhearted, baldfaced lie of the worst character, in order that she would remain his trembling, ignorant and naked slave, all the unthinking (m)asses fall down before the great deceiver and murderer god, and hate the Devil who told her the truth. Why do they

do this? Because ignorance and indolence hate the truth. Almost all history is made up of the exaggeration of the deeds of heros and untruth. If it were true, people would not believe it, or at least say it was not true and befoul the character of the man who was honest enough to write it. Take the history of our own "cradle of liberty" (?) and we find the "father of his country," Geo. Washington, posed as a party who could not tell a lie, but when we come to sift the matter down to bare and baldheaded truth, we find that his whole life was a lie. He threw away his sweetheart and married a rich old widow for her money and afterwards during the balance of his life, criminally associated and wrote criminal letters to his original love. So we may go thru the whole history of our nation if you like and we find it is written partly to prejudice our youth against the English and partly to convince the ignorant, timid and young, that we owe all we are to prayer. This is the greatest of falsehoods, when we examine into the matter and find the real truth to be that we owe our liberty and greatness to men who would no more think of using prayer as a motive power, than they would think of walking on their ears. Such men as Thomas Paine, Thos. Jefferson, Stephen Girard, Robt. Morris and Geo. Washington did not pray as a means of removing mountains, mustard seed or other obstacles or at all, notwithstanding the lies told to the contrary by the charity bed beggars who run the churches and deceive the lower classes for what there is in it. No man with even moderate intelligence ever asked god to do anything expecting him to do it, since he made the earth round and thot it was flat. People who pray either do so to deceive and rob others of less mental capacity or because of their lack of such capacity. Of course we all know in our minds, that the bible is made up in the main of impossible yarns of the doings of impossible beings, and yet the lower stratum swallow it all, and if you put the plain, simple truth before them they instantly reject it. What they

want is mystery and untruth. All the impossible lies and nastiness of the bible is what they want. They want mystery, murder, abuse and sham. They like to be humbugged. This is why a president of the United States can be ignorant, religious and popular with the masses. They enjoy things which are unreal. What shall we say of the truth and veracity of the present president. In a book he wrote, purporting to be history he says of one of the greatest men ever produced by American liberty, and we might better say, the man who produced American liberty—Thomas Paine: "Tom Paine was a filthy little atheist," not a single word of which is true and he evidently knows it is not true. On the first page of Paine's great work "The Age of Reason," he says: "I believe in one god and no more." An atheist does not believe in any god. Paine was neither filthy nor little. He was not born in a stable nor warmed by a manure pile. There was no *Will-o-the-Wisp* floating over his birth place and he had a legitimate father. The old saw which says "cleanliness is next to godliness" is a lie which should take the leather medal and wear horns. Cleanliness is so far removed from godliness that there is no resemblance. You will always find the godliness and dirt together in the colored belts, backwoods, slums and far away corners of the earth. The more ignorance the more mystery, superstition and piety, and the more piety the more nastiness. It could not be otherwise when we remember that the religion of god and jesus christ are laid on a foundation of nastiness and built up by one layer above another of nasty stories and the crimes of priests and preachers (25c). There are hundreds of stories in the bible (no doubt all lies) which would return a dog to his vomit if he could understand them, and there are few sows that would not return to their wallow in disgust. Why people of any intelligence at all would rather believe these false fabrications of nastiness, rather than the simple truths of science and experiment is one of the problems of human nature

almost "past finding out." What strides of advancement humanity and civilization would make if we would always require and act upon the truth; if we would learn to think right and then do what we should do. The great trouble appears to be mental laziness. The muscular system is of a coarser quality than the nervous system and therefore more easily propelled, and it is naturally easier for us to work than to think, so we fall into or remain in the old ruts and work our muscles at so many cents a day and let the priest tell us what to think, while he lives on the charity of our women. Thinking is however very much easier than work when the nervous system has been exercised and strengthened by the exercise of thinking, and this strength becomes hereditary and is transmitted. I consider the kindergarten our greatest hope as its exercises upon the baby mind do not fatigue but strengthen it, so that after a few generations of such education and the transmission of the strengthened nervous system we may expect men and women who will be able to think right without such great effort and fatigue, and when this millenium arrives it will be as easy to believe and tell the truth as a lie.

Dr. B. A. Wright of this city says: "I read of a girl a short time ago who was apprehended by the society for the prevention of cruelty to animals. The girl's crime was scalding rats that she caught in a trap. What should such a society think of a god who tortures human beings in a lake of burning brimstone forever, for not believing that which is inconsistent with nature and their own reason."

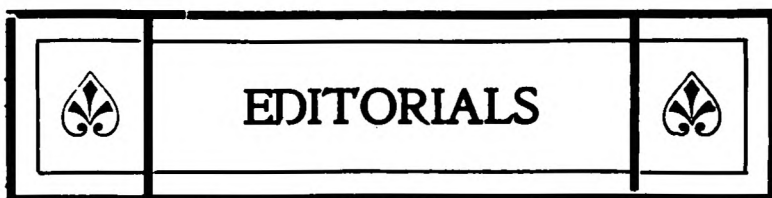
The old busybodies who work these societies are of the lower intelligence of women, backed by the pauper, charity-fed clergy. They do it for effect. It is not the rats they care a copper for, and they would burn the editor of HIGHER SCIENCE at a stake with green wood, (and Dr. Wright too) if they dared. There is no doubt that if these low people could be hunted and disposed of the same as rats and rattlesnakes, humanity would make a great progress.

EVERY NUMBER WORTH \$1.00.

A. G. Desent, a grand old freethinker of Superior, Wis., in writing to subscribe for HIGHER SCIENCE says:

"I think that wealthy friend has been paying for my reading matter long enough, so I will enclose \$1.00 hoping to sleep better. I have not the education or brains to fully appreciate your new theory of astronomy, but the editorials and comments in each number are worth the price of the magazine for a year. Do not let me miss another number." . . .

We can not agree with our friend that he has any lack of brains, and we believe the best education is the experiences of life directed by right thinking. The simple truth of a procession of expanded colorless matter going up from the sun continually, and its condensing and falling back to the sun as solid matter, thus returning the same heat and energy to the sun, is more easily understood by people with brains and no education, than it is by people who have an overdose of education and are shy on brains, or by astronomers who have been taught that god made the universe in six days, or that La Place made it of "red hot gas," or that Koresh made it hollow. "What goes up, must come down," is an old axiom, quite true, and we might compare the working of the solar system to that of the water which is evaporated into colorless gas, which goes up into the earth's atmosphere. As long as it is warm enough to remain expanded it can not fall back thru its expanded self, but as soon as it cools and contracts into rain drops or snow flakes, it must fall, because it is now heavy enough to pass back thru the expanded colorless water below. Sometime, when we have increased the size of the magazine, we would like to publish the card which this grand thinker is not afraid to send broadcast, giving some of his ideas of religious frauds.



The Time

Is coming when our children will read with wonder, that horses were ever allowed to travel such streets as Main, Spring and Broadway, or that pigeons were allowed to multiply in the overhanging cornices.

The Truth Seeker

Of May 2nd has a long article entitled "How the earth was made by Franklin H. Heald." This may look like a joke to religiously inclined people, but there is one thing certain, he knows enough to make it round, instead of three cornered and flat as god did.

A Dog Bays

At the moon, with more reason than a darkey or woman weeps at the feet of our blessed d. h. saviour. The dog can see the moon but the darkey or woman can only imagine that there is a listener to the prayers and a pair of "spiritual" feet where the tears are falling. They can really see and feel nothing, except their own passions and faith.

A Correspondent

Who does not make his name known, objects to us using the term "cold," and says it is only a relative term to express a degree of heat. This is quite true, and we might say all motion is caused by relative degrees of heat, but, as he says himself, cold means the same and is much easier to write. What is the use then of quibbling over a term, and especially when we all understand what is meant.

We Have Received

Nearly 300 letters from friends who have received sample copies of HIGHER SCIENCE which are very gratifying and encouraging to the editor and ask you to take this as an acknowledgement of your kindness. We receive very few that are depressing. These of course sink to the bottom out of sight leaving us free to continue the good work.

The Opening Program

Of the St. Louis Exposition, April 30, was a sort of a religious affair, opening and closing with prayer by some of the leading women fed paupers. As the whole outfit is so pious that it will be closed on Sunday (the day when millions could visit it who work thru the week) it now looks like it would be a fizzle on a grand scale.

Scores of Publications

Are being started on the implied lines of "New Thot," for the sole and only purpose of bolstering up religion, and especially christianity as long as possible. It is about their last and only hope to throw dirt in the eyes of those who are beginning to think independent of the able-bodied paupers who live upon the charity of women and negroes.

An Insane Man

At W. Alexandria, Pa., has been writing long scurrilous letters and postal cards to Mr. C. Severance, and has now directed his abusive filth towards this magazine. We can only make out enough to see that he is very much annoyed at the position we pursue in ridiculing and telling the truth about his pet superstition which is christianity. This unfortunate man has evidently been honest in his belief and we repeat that no honest man with brains can believe the horrible nightmares of the bible and retain his reason.

The Annual Report

Of the Auditor of the City of Los Angeles is on our table, and it is a credit to the most beautiful, healthful and intelligent city in the world. Splendid half-tones of the public and principal buildings and streets, the Mayor, Auditor and other officers, parks, etc., with the reports of different departments, all printed on the finest clay-glazed paper, make it a work of art to be proud of.

F. E. Sturgis,

The Freethought painter, is now, since the retirement of Watson Heston, the only Freethought painter in the United States. Mr. Sturgis is a regular advertiser in this magazine and we hope you will remember him. He does splendid work at reasonable prices. The life-size and life-like portrait of Dr. York which belongs to the Liberal Club, is a donation from his master hand.

It is Possible

That we will discontinue the publication of HIGHER SCIENCE after the next issue. We will be compelled to do so unless we get more advertising support or our subscribers pay up. The editor is no beggar and would rather discontinue than to spoil the magazine by an everlasting urging and begging for support. We will pay back all unexpired subscriptions that are paid, and it will not be much.

Magistrate Crane

Of New York refuses to issue warrants to arrest proprietors of concerts, and says, in his opinion, that one song is worth ten sermons. He also says: "When I hear a sermon, I often say to myself, that the man who is delivering it is trying to make me believe what he doesn't believe himself." This is the kind of a man the Liberal party should nominate for president in 1904.

"The Most

Marvelous Discovery of this Age," is the name of a little booklet by W. H. Kerr, of Great Bend, Kan. He shows most conclusively that there is and can be no god, and brings out the crimes of god and the old in-human favorite saints, wise men, saviors, prophets, murderers, harlots, virgins, etc., in bold relief, against the background of truth, reason and science. Read it. Price 10c.

Your Attention

Is called to the fact that if you mention HIGHER SCIENCE to our advertisers when trading with them or writing to them, you establish the magazine as a good advertising medium and it can then increase its good work. We have lost advertisers who were receiving your trade, but they did not know it. If we could hold our advertisers by your help, the magazine would soon be a power in the good work, which would surprise even its warmest friends.

C. B. Martin

Of Blue P. O., Ariz., will send a copy of "Facts worth knowing" and "Paine's Age of Reason," free to any one who will send him 4c. postage to cover expense of mailing. These two works are doing a grand work for reform and the large hearted society who are donating them are doing the country a world of good, and such men as Dr. Martin are the blessed helping angels without wings. Later we have received the same proposition from Mrs. M. A. Lee, of Blue Earth, Minn.

We are Indebted

To Chas. Van Buskirk, the atheist photographer at Santa Monica for a little book "Our Lord's Return," which shows by quotations from scripture that our blessed d. h. saviour is about to return to earth. Its principal argument is that the 1900 years between the first and second advents is to give time to "select a

chaste virgin for the coming bridegroom." Let us hope that he will select a colored lady, and a calf shed in some remote region of the earth where the gentle breezes blow towards the equator.

It is Astonishing

At what a tender age the young fellows of this twentieth century learn to "work" their grandsires for walks, songs, social dances, and home-made drinks. A good many bundles of rods have been spared since the days of the greatest of all fools, Solomon, the husband of many hundreds of wives and the minister of other hundreds of concubines. In those days it was a wise "guy" that knew his own father, much less his grandfather. Solomon himself was Uriah's wife's son, but evidently no relation to her murdered husband.

This City Is

Not to escape Dowieism, and already the leven has commenced to work in the shape of circulars, etc., to stir up the ignorant who are prospective dupes. It is not certain that the great John Alex (now Elijah II) will appear on the scene, but if not, there will be some one to count and receive the money, tho it is neither accounted nor receipted for. It would be the rankest blasphemy for any of these poor, misguided burden-bearers to ask questions or expect direct answers. All they need is faith in Elijah II.

Cows and Sheep

Are good examples of what a purely vegetable diet will produce in the way of animal life. Cows and sheep are, however, provided with a double kecking apparatus by means of which they can recall from their inner beings this partly rotted vegetable matter and re-chew it during hours which would otherwise be passed in idleness. A man is not provided with such a recalling arrangement, for which let us be truly thankful. This fact should satisfy the most gullable of us that we are not so constituted as to live entirely on vegetation.

The Lord is

My shepherd, he shall not want; he leadeth me by the side of the still pastures and maketh me to lie down in the green water. The lord giveth (curses) and the lord taketh away (cash), cursed be his holy name and all his charity fed ministry and priesthood. Hasten the time when the law will compel them to be so treated by a process of surgery that they cannot commit crimes against the females with whom they are allowed to be alone in prayer and confession. (Read Crimes of Preachers—25c.)

I will greatly multiply thy sorrow and thy conception; in sorrow thou shalt bring forth children; and thy desire shall be to thy husband and he shall rule over thee.—*God*—Gen. 3, 16.

This is why women of moderate intelligence get down on their knees in the dirt and wash the dirty feet of god's paupers and charity fed agents with their tears. They seem to like to be cursed and abused.

LA PORTE, IND., May 24.—Men were exiled today in the conduct of the services of the First Baptist Church of this city. There were women ushers, women singers, women collectors of offerings, and two women occupied the pulpit. Mrs. George C. Moor preached this morning, and Miss Anna Frederickson preached this evening. The church was crowded to the doors for both services.

The two women occupants of the pulpit took occasion to preach vigorous sermons of appeal for better living. The unique service was prompted by a decision on the part of the feminine portion of the church flock that they administer every branch of church work equally as well as men.—*Associated Press*.

Is it possible that our American women have awakened at last to the fact that religion belongs to them? Let us thank good fortune if it is true. These preachers will commit no crimes against the ewe lambs of the flock, except perhaps some little backbiting common to the sex, which they would do anyway. Gods, saviors and dead saints can only injure them mentally, and that will soon disappear, because they will not fancy weeping over the feet (especially if smaller than their own) of a Rev. Dr. Female.



The character of the god of the bible is so repulsive that it is not pleasant work dissecting him. But encircling us on every side is the unhappy sight of hundreds of men and women still worshipping and still believing that they believe. And sadder yet is the sight of sweet-minded little children taught to revere a being as to whose crimes no language can be too severe.—*Truth Seeker* (London).

Speaking of the magazine, Fred H. Smith of Fairbanks, Tex., says:

“It is so much out of the usual line of free thought literature that it must commend itself to the investigating mind, and prove a strong factor in converting to liberalism any one who reads it. . . . I had taught my little ones that this earth is but the accumulation of atoms for an infinite period, and to learn that such is being taught was a surprise and pleasure to me.”

Don't work for the Socialist ticket. Socialism will take your babies from the crowded, filthy, diseased tenements out into God's air and sunshine. You prefer to see them die.—*Chicago Socialist*.

The above is good advice. Better let your babies die a natural death than to be smothered in the air which surrounds the history of god, or be brained on the doorposts of your homes in the darkness of midnight, or to be killed by him, according to Ezek. ix, 4.

Now it is a Fact, that we should heed the Truth, and stand for the Right. We should exercise Faith on our Saviour, Jesus Christ, and do right so near as we know what is Right; then we will be led by his Spirit.—*Seventh Trumpet*.

We fail to get any connection between truth and faith, or between truth and spirit. Of course, if we would drink enough of his blood, in the shape of *spirits fermenti*, we might be led by the *fermenti*.

As the light of science shines in and new conditions of mind arise, the old ecclesiastical monopoly of human minds cannot be retained.—*Freethought Magazine*.

Multitudes of people in every part of the country seem to have totally cast off all religion. They go neither to church or chapel. They openly sneer at the bible as an old-fashioned defective book, and give God no place in their thoughts.—*Perilous Times*.

The beautiful significance of the above is that these multitudes are the intelligent classes and that those who still cling to christianity are the females of lower intelligence, negroes and the dishonorable low curs who would rather live by their charity than to earn their living by honest labor.

Let us take a cubic inch of space ten million miles away from any sun, star or planet, a pure inch of unalloyed space and ask ourselves what is in it. "In that inch," says Calthrop, "is the exactness of God; the economy of God; the beauty of God; the wisdom of God; the love of God; and all other attributes of God."—*Now*.

Now, if that was really all there was in it, it would be an absolute vacuum. However it is hot enough to melt the hinges off the gates of hell, within ten million miles of the smallest sun in sight, and the said inch would be pretty well filled with colorless expanded matter.

Nature never led any one astray, and she grieves that so many of her children are constantly held in quarantine because of their continued negligence and persistent ignorance.—*The Pathfinder*.

The first statement is true, but nature never grieves. She is absolutely just, but has no sentiment or passion, and simply rewards and punishes by fixed laws; never repents and never makes allowances for our faults or ignorance; can not take the suffering of another for our fault and forgive us. Let us not try to dodge this truth; it is useless to try to avoid the truth, and the sooner we find it out and act accordingly, the sooner our happiness will increase.

Wherefore if God so clothed the grass of the field, which to-day is, and tomorrow is cast into the oven, shall he not much more clothe you, O ye of little faith? Therefore take no thot, saying, what shall we eat, or what shall we drink, or wherewith shall we be clothed?—*Jesus Christ*—Matt. vi 30, 31.

As human beings cannot be cast into the oven "tomorrow" like grass, they must either provide for their support, steal, rob or beg from those who do provide.

The next obstacle in the way of deliverance is the apparent difficulty with which men may come to know God.—*Higher Thought*.

True, it is an obstacle to people who think. When they read about him and his doings, in the bible, they feel a delicacy about coming to know him better, which is born of self-respect. It is only people who are without pride, self-respect and brains, who care to associate with such characters. "Birds of a feather flock together."

Throw up the window and inhale the fresh ethers—always through the nose, with lips closed. This treatment will beat any drug that was ever prescribed. It has not been manipulated by mortals, but comes straight from God. The oftener you do this the stronger you will grow.—*Eleanor Kirk's Idea*.

The idea of HIGHER SCIENCE is that anything of this sort, which comes straight from God, should be inhaled thru a wet sponge. We can not doubt its strength when we remember the surroundings at the calf-shed and hundreds of other passages of sacred history which are too nasty to republish and pass thru the U. S. mail.

"Here a fire is kindled in which matter is destroyed. A portion of it is converted to spirit. It has ceased to be matter and no longer partakes of its properties. It is not capable of being weighed nor handled. As an abstract force it is impalpable to the senses."

The above is a sample of religeo-science of *Kor-eshanity* as divulged by Koresh. He is the first prophet or person ever able to destroy matter. He admits that a certain *per centum* is converted into spirit, which is of course nothing.

J. M. Gilbert of Homer, I. T., in a recent letter says of the theory of a Procession of Planets :

“ I want to thank you for taking the time and trouble to personally answer my question about the glacial period. I accept your explanation as it is so reasonable and simple (see H. S. Vol. III. No. 5, p. 125) also this issue first article). It should make it plain to anyone who is accustomed to do their own thinking and I should have seen it myself. The Procession of Planets makes all things easier to understand.” . . .

B. F. Smith of Whitcomb, Wis., writes : “ Enclose money order for books. HIGHER SCIENCE is all right, better and better; I like it very much indeed. Have only had them to read once, then they go circulating among friends, till worn out. Some will soon send subscriptions. Wishing you success.” . . .

This is what we like to hear. Wear them out reading them and do not lay them away to rot. Send in your subscription as soon as you can, and help to make the magazine so much better. Write to our advertisers also and tell them the magazine is all right or mention where you saw their ad.

Yes, all power is in Universal Mind, and this power is manifested by man in proportion to his degree of development. The subconscious mind is the power that builds and rebuilds the body.—*Life Culture*.

We are sorry to see Harry Gaze getting “ off ” again on the “ I am it ” fad. Of course there is no universal mind. There is nothing but the universal expanding and contracting of matter by heat and cold. The power that builds up the body is what we eat and disintegrate which makes the heat or expansion of life. What is called the subconscious mind, is the mind in a state of cooling or contracting as in sleep, hypnosis or approaching death. In this condition part of the stimulation of heat has left it, and therefore the imagination is so much less active that the judgment acts with greater precision. There is only one mind for each nervous system. Mr. Gaze wants a new office, now \$1,000 would get a neat small one and he can have the money by showing proof of any power or motion not made by heat or cold.

He that finds God a sweet, enveloping thought to him never counts his company. When I sit in that Presence, who shall dare to come in?—*Emerson.*

No one with any human sense of justice or decency would ever intrude. The editor of HIGHER SCIENCE would almost as soon enter a den of rattlesnakes. Emerson should have read the history of his "company."

Prof. Chas. F. Blackburn, a mining geologist of Victor, writes a long interesting letter complimenting HIGHER SCIENCE on its good work and continued improvement and says:

... "What a fraud religion is; the folly of giving a dead god taffy. It makes me sick to see the enormous sums of money spent in promoting the fraud, and know that I must help pay their taxes and thus help the women and negroes support these charity fed paupers whom you so vigorously and justly condemn."

The professor's letter describing the beauty of the millions of acres of flower gardens this year, brings a sigh of homesickness from ye editor for his old desert home.

A publication (HIGHER SCIENCE) advocating a new theory regarding the constitution and motion of matter, takes the position that electricity is a gas, and that all energy is material. Instead of there being two states of substance—matter and spirit—it is supposed that there are expanded matter and contracted matter produced through the action of heat and cold alone. Ether has had its turn in the so called solutions of difficult problems in physics, and now gas may be brought into requisition. We are aware, however, that gas is essential to the nebular hypothesis, and much of it is used up in the promulgation of other modern theories of the universe.—*Flaming Sword.*

It is a mistake to say we consider electricity a gas; it is but a motion of expanded matter (see this magazine Vol. III. No. 4, p. 95). We know of no single location where more gas is wasted in manufacturing new theories and religions than in the Windy City, and it is only a few weeks ago that Koresh himself was filling the hollow globe with "a subtile substance (gas) radiated from the central sun of the physical cosmos."

The *Vanguard* believes in Socialism because it believes in Christianity.—*Vanguard*.

HIGHER SCIENCE does not understand that there is any connection between the two. Socialism is trying to provide for the morrow and does not endorse witchcraft. Its aim is to unite families instead of dividing them; it encourages home life, and the home, which Jesus Christ by his teaching and example attempted to destroy.

Pride is a damning sin. Against no other manifestation of depraved human nature does the word of God utter more fearful rebukes or more terrible denunciations.—*Methodist*.

Yes, there is a big difference between pride and vanity. A man who has a right to be proud of himself, is so far above the characters of God and Jesus Christ that there is no comparison. Think of the way this monster hated and murdered the Rechabites, who were teetotalers and would not drink wine; remember how he treated the virgin maidens by throwing them alive to the soldiers. It is no wonder he hates people who are proud of their superior honor, intelligence, temperance and virtue.

The *Free Thought* magazine says:

"We were pained to read in the 'Comments' in HIGHER SCIENCE the following:"

It then clips what we clipped from the *Animal World* about drinking fountains for dogs, together with our remarks and then continues as follows:

"The dog is the most truthful and faithful friend that man has. [What is the matter with man's mother. Ed. H. S.] He will stand by his master and protect him when all his human friends leave him. The people who have established the drinking fountains deserve great praise and we would not think that any freethinker would withhold it; only those people who claim, as some Christians do, that as they have no souls they are not worthy of our love and care. We cannot yet believe that Mr. Heald, the editor of HIGHER SCIENCE, is the author of that false and cruel statement. Let us hear from you Mr. Heald."

Why certainly. If you want to hear from us just bring a dog within smelling distance. We hope they have souls and will all meet in heaven in the grand chorus, and that HIGHER SCIENCE will be in hell.

The heartless cynicism so frequently expressed in the pulpits has long ago repelled the working class from the churches.—*Los Angeles Socialist*.

The *Naturopath* for April in a long article advises but one meal per day and as a final "cinch" argument says:

"Live with God, and live always. 'Nearer, my God to Thee, nearer to Thee.'"

Well that is one way to satisfy the poor people who cannot divide with the preacher and still have three square meals a day. They will soon be with god.

In consequence of the presence of *spirit*—thought breath—the soul arises and asserts itself in the spinal cord, operating upon the finer forces of organized nature—the body—transferring the desires of the heart to the function of mind in the brain, for the purpose of recognition by the senses.—*Mazdaznan*.

The above represents another religious disease which is getting a start in the Windy City. It seems to originate in the heart, run up thru the backbone and lodge in the brain, which becomes demented.

The decay of churches is taking place in the middle states. The rural population in many places is ceasing to attend the house of God. Hundreds of churches have died in New York, Pennsylvania and New Jersey; and others have a name to live but are dying. This is a saddening portrayal of the state of things around us. It is no use to try to ignore facts, or to apply unkind epithets to those who call attention to them. Should the present tendency to religious decline continue, and the restraining influences of religion grow weaker, imagination shrinks from the awful picture it would naturally draw concerning the state of things that must inevitably come.—*Christian Advocate*.

Yes, there is no doubt but that the curse of christianity is rapidly passing away. It has killed itself, and "its restraining influences" (against knowledge and science) have gradually died out, until they can no longer burn the Bruno's at the stake with green wood. No wonder these paupers who live by the charity of the lower class of women and darkies, shrink when they contemplate the prospect of going to work to earn a living like honest men.

Infalible and inevitable justice is the law of this universe. Rewards or penalties are payable right here in the flesh, not beyond the grave.—*Mental Advocate*.

You (clergymen) who by your silly nonsense destroy the mental health and balance of your fellow-beings, are you not just as guilty as though you spread the virus of a fatal, physical disease? If no sense of humanity or decency can reach you, should there not be an appeal to legislation and law?—*Torch of Reason*.

True spiritual unfoldment is rarely met with.—*Advance Thot*.

You are right Lucy, but you should have said it is never met with. There is a power of the consciousness or nervous system which we may develop to vibrate the expanded matter of space and to receive and understand vibrations which reach us, but they are not life; they are only motions made by heat and cold.

A writer in *Cal. Independent* speaking of the cribs of Chinatown says:

“If the church of Christ were to arise and look this curse in the face, either the Church or the curse must die. If this is not true, then it is time for the Church to write ‘Ichabod’ upon her banner and send it to the museum.”

When we consider that these prostitutes are all “daughters of christian parents” (*Cal. Voice*) and nine out of ten are first ruined by preachers and priests, we must see the church must die first.

Walter Collins, our young war-horse reformer and American press writer 180, in writing to the *Blue Grass Blade*, says, among other good things relating to our work of reform in Los Angeles:

“The personnel of the club ought to carry it through hell and damnation and come out alive, for we have on our staff one of the very best atheistical debaters in the United States and an iconoclastic writer who stands without a peer today in the civilized world—Channing Severance. We have also the editors of *HIGHER SCIENCE* and *Humanitarian Review*, a pair of hard hitters hat, with Mr. Severance, comprise a trinity that make Jehovah and his invisible and illegitimate cohorts look like thirty cents. In fact there are none in our long list of members who are afraid of man, God or the devil.”

The *Blue Grass Blade* of Lexington, Ky., does not seem to lose much by the absence, on a visit to the "Holy" land, of its eccentric editor.—*The Demonstrator*.

It seems reasonable to me that inasmuch as God and his laws are unchangeable, that the ancient marvels and spiritual manifestations of the Bible, and these of modern times must stand or fall together.—*Philosophical Jol*.

If spiritualism depends on god and the bible, it may as well begin to pack up its valise and be ready to go.

The truly spiritual man is ready for anything, even crucifixion in its many forms. He leaves the dead to bury their dead. He says, "Not my will, but thine be done."—*Higher Thot*.

True, he is insane. A truly spiritual man at Riverside, last month poured gasoline over his wife and burned her up, because he was sure that she was in a condition to go to heaven. The ungodly authorities have however, decided to hang him so that he can join her.

Why, be this juice the growth of God, who dare
Blaspheme the twisted tendrils as a snare?

A blessing, we should use it, should we not?
And if a curse—why, then, who set it there?

—*Omar Khayyam*.

Sell it at cost, so that people would only drink what they want, then the drunkards would be low glutens, instead of our big-hearted, sociable young fellows who treat each other as long as they can stand up.

We have maintained something of a conservative position regarding the women's clubs, but, if through them women are to be emancipated from the yoke of religious superstition and priestly domination, we will say good speed to them.—*Searchlight*.

Almost all the intelligent women of Los Angeles have left the churches and joined clubs where they can enjoy social and educational advantages. As soon as a church woman realizes the fact that she is a mental slave, weeping at the feet of a pauper who lives by her charity, she gets up from her knees, dries her tears, joins a club and looks back upon her less intelligent sisters with pity and contempt.

Remember, if church property is untaxed, private property holders are forced to pay more taxes, thus indirectly, help to support the church and lazy no-count clergy.—*Peoples' Press*.

Geo. I. Wheeler of Logan, Utah, remarks when sending his subscription for HIGHER SCIENCE :

“I am well pleased with it and never want to be without it. It is the best fool-killer I ever saw. I thot C. C. Moore was hard to beat, but you take the cake. May you live as long as time lasts, get fat, go to heaven and still publish HIGHER SCIENCE and try to teach god something about the shape and size of the earth, moon, sun and stars.”

A writer in *The Truth Seeker* of May 16, speaking of our Los Angeles Liberal Club, says:

“Our meetings will continue until June 1, with addresses by local talent, which, by the way, is equal to any in America. Channing Severance, “atheist, socialist and fatalist,” is one of the very best writers and debaters in the country. Franklin H. Heald, editor of HIGHER SCIENCE, is eternally and fearlessly fighting superstition and falsehood. Singleton W. Davis, editor of the *Humanitarian Review*, is no less able, but uses milder methods, sort of homeopathic freethot. The medicine is there, but it tastes better to the faithful. All are active workers in the Liberal Club, and it is a trio of winners of which the Liberals of this city are proud. These are not all by a jugful, but I must confine myself to public men.”

Unless a steady reform—unless some ministers stop separating man and wife; unless they stop ruining girls characters; unless they stop telling so many lies; unless they stop drinking whiskey; unless they stop being church grafters; unless they stop mingling with dirty politics; unless they throw off the garb of the hypocrite—hell will be so full of preachers there will not be standing room for the congregation. Now, if you hear any preacher kicking about this article, he is the guilty party.—*The World*, Oklahoma City.

The time has arrived when there are others besides the regular freethot publications who dare publish the truth about the crimes of preachers, and the time is coming when every honest hand will bravely point the finger of scorn at these charity fed parasites who make the classes of lower intelligence their mental dupes and slaves.

The Socialist party has no more right to condemn the atheists, be there few or many in its ranks, than it has to condemn the Presbyterians, or the Quakers or the Jews or the Catholics. It has no more right to endorse the belief in God than to denounce such a belief.—*Socialist Worker*.

Prof. J. Syphers, humorist and poet of Pontiac, returns our April number marked with marginal note comments, which are on the whole very complimentary to the editor and magazine. He writes a letter and also a poem on "The Big Blue Goose Egg," enclosing the explanation of how he happened to receive a few sample copies, all of which we would like to publish if we only had room. Amongst other good things he says:

. . . . "I believe your Procession of Planets theory is the true thing. . . . You get my idea of dogs by spelling mad dog backwards. . . . I have no use for gods, ghosts, saints or holy virgins." . . .

May 11 HIGHER SCIENCE was startled by receiving the following postal card:

"PARIS, TEX., May 9, 1903.

Send marked copy of *Examiner*. You think you have all the science there is, in the backwoods of California, but we will show you a dot or two.—R. P."

This was followed two days later by a copy of the *Examiner* (which goes 2nd class) containing the following:

The popular *Science Monthly*, under title: "Gases in interplanetary space, tells us that by aid of the spectroscope, argon, helium, neon, keyplon and xenon have been discovered. Also, that no inconsiderable quantity of hydrogen is a constant constituent of the atmosphere. But the *Examiner* has a savant on its staff who declares that the *Science Monthly* expert is away off; that aqueous vapor was at one time assumed as present in space, but since two celebrated French scientists went to the height of 30,000 feet in a balloon, to experiment with the spectroscope, but finding no aqueous vapor, this assumption has been abandoned. Likewise it was contended that oxygen existed in space, but, when the spectroscope was turned on the electric light of the Eiffel tower, at Paris, a distance of $4\frac{1}{2}$ miles away, the same oxygen lines appeared in the instrument.

"Speaking under advisement, this organ is of opinion that

no gas can exist at absolute zero, which is the condition of space, as here considered. No heat—no gas.”

Of course it is a great relief to HIGHER SCIENCE. We were afraid some one had overturned the Processional theory but it is only a difference of opinion as to kinds of gas. We agree thoroly with the *Examiner* that “no gas can exist at absolute zero,” but we do not believe that such a place exists. Wherever there is the faintest light from the stars there is some heat, and light cannot travel thru a vacuum. (See HIGHER SCIENCE Vol. III., No. 4, p. 94 to 96).

\$1000 is offered for positive proof that there is or ever was a Holy Ghost, a personal God, a personal devil, a literal heaven or a literal hell, as described in the bible. Why doesn't some preacher come after this offer. I will tell you why. They cannot furnish the proof; hearsay and imagination are not good evidence in any court and will not be taken in this case; but as long as they can work the confidence racket on women and children and emotional men, they can live in idleness, and wear good clothes; but their influence is waning; women are beginning to think for themselves, and when they lay aside childhood impressions and prejudice and use their reason and common sense, they will, I think, conclude as I have, that death is the end of all consciousness; a dreamless eternal sleep, at rest.—*A. G. Descent.*

Jas. Haight, of Chebanse, Ills., another grand old freethinker, whose writings occasionally appear in free-thot publications, writes:

“I am pleased with HIGHER SCIENCE. It is heavy paper, large type, well gotten up and the contents are bold and positive. You say what you think, and you think right. Your articles on astronomy are very plausible. . . . I admire your editorials for their boldness and the comments are excellent. . . . I pass the magazine along to my brother in England and he likes it very much. I send you a few names of liberals who may become subscribers. . . . I think you are a remarkable person and hope your magazine and the liberal ideas that you advocate will succeed. . . . The world is still full of superstition and hypocrisy, but I am a very old man—my time almost up—and I must leave the world to younger reformers.”

It is sad to realize that these grand men must die, the same as the ignorant and worthless religious, whom

we can so well spare. HIGHER SCIENCE publishes this letter in a spirit of pride and not of vanity, and we have a right to be proud of the good opinions of men who almost a century ago had the brains and honor to reason—at a time when brains outside of the pulpit meant either death or business and social ostracism. It is not easy to realize the advantages of our own babies and the environments of this age of reason which surround them, and the changes they will help bring about.

F. G. Wilson, of Brooklyn, N. Y., sends his subscription for a year and says of the Procession of Planets, which he had sent for previously:

. . . . "My opinion of your theory is this: It is the best I have ever seen, because it is so brief, clear, easy to understand and in harmonious order—simply perfectly natural." . . .

Wm. Jones, of Covington, Ky., in writing for HIGHER SCIENCE, compliments it very highly and says: . . . "Since reading the April number which you sent me, I feel as tho I could not do without it." . . .

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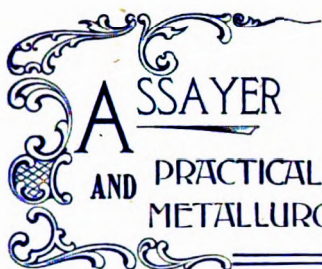
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