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# HIGHER SCIENCE



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

**JANUARY, 1903**

**FRANKLIN H. HEALD**  
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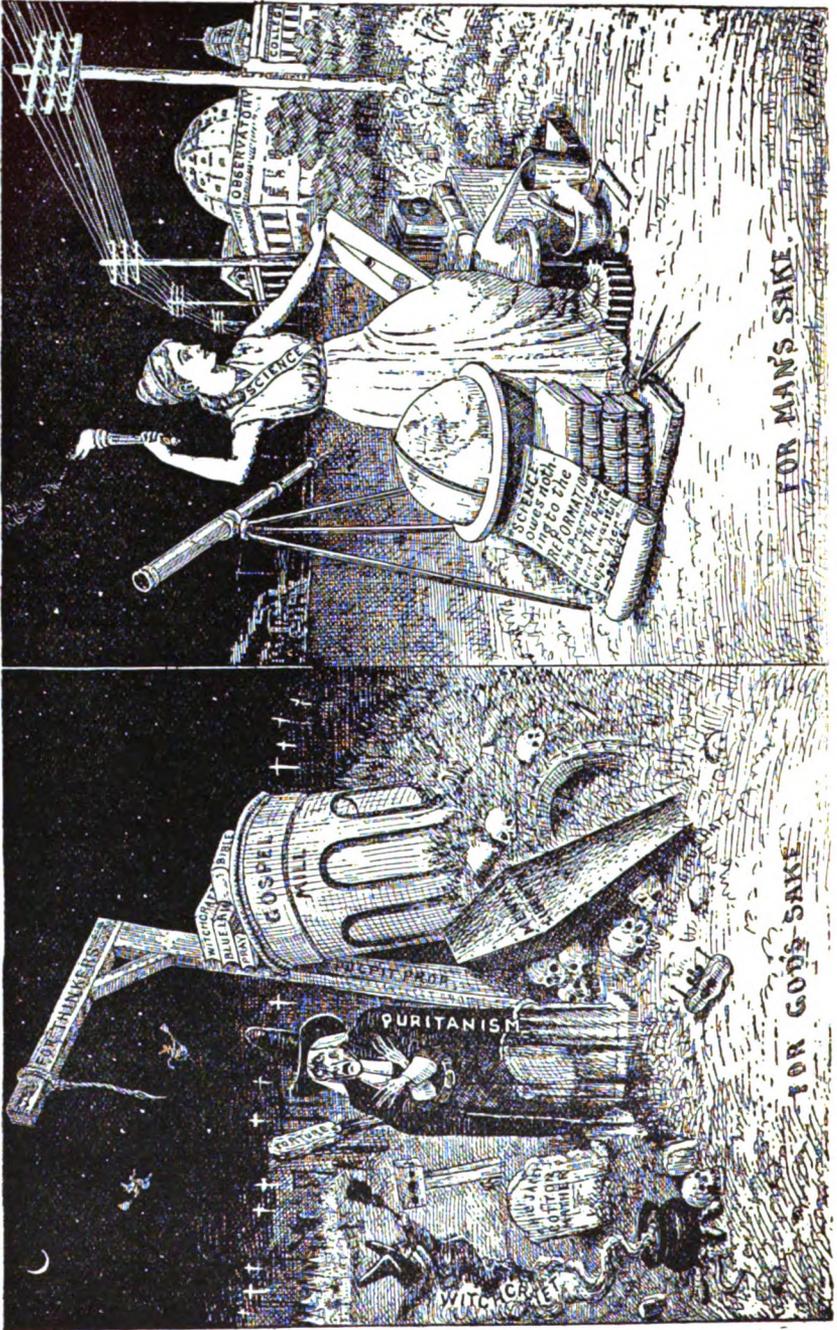
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SCIENCE AND RELIGION COMPARED.



# HIGHER SCIENCE

OF THE MOTION OF MATTER



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Vol. III.

LOS ANGELES, CAL.

No. 1

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## CAUSE OF SUN SPOTS.

Those readers of this magazine who have studied the theory of a procession of planets and become interested, are familiar with the cause of sun spots (162\*) as taught and proven by the theory, but as time goes on and astronomers are investigating and keeping records with the new theory in view, they are piling up evidence which is establishing the theory beyond question. It is now proved beyond doubt that comets, the rings of Saturn, our moon (158) and Mercury are shortening their orbits. This shows that all solid matter in the solar system is gradually approaching the sun and finally falls into it (23). It has been and still is a mystery, that great black spots should appear on the sun's surface. According to this new theory, however, it is very simple. (See "Mystery of the Sun," Vol. I, No. 10, p. 10), and easily explained. The sun is so many times hotter than any heat which can be produced on earth, that it is no wonder philosophers have stumbled in solving the mystery. Even tho they could conceive that a chunk of matter should be permitted (by god) to fall into the sun, they would fail to perceive that such an immense explosion must take place, as does take place, because they overlook the fact that such great heat must almost instantly change solid matter into thousands of times greater bulk, as gas. The change from solid matter to gas, where the heat is so great, comes with the suddenness of the changing of giant powder into gas, and it should not be a hard matter to understand how these great holes can be torn in the body of the sun's surface, when we now know that matter does return to the sun. As solid matter falls back to the sun in an orbit (Law IX, Vol. I, No. 12, p. 2) it increases its speed according to the law of falling bodies, but as it is falling in an

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

orbit, the speed it gains adds to the centrifugal force which has a tendency to throw it away again, but when it does finally reach the sun, it is traveling at not much less than ten million miles per day (163). This great speed would bury it thousands of miles in the soft body of the sun, even if it exploded into gas within a quarter of a minute after it touched the sun's surface. Suppose this chunk of matter was ten miles in diameter; when it disappeared in the fiery surface of the sun, the hole it left would be insignificant and entirely invisible from the earth, but a moment later when it is changed to a bulk of 11,000,000 cubic miles, there could be but one result, and that is what is happening continually at the sun. An enormous explosion from the sun upward throwing heated matter and flames thousands of miles high and leaving great dark holes, perhaps much larger than the bulk of gas which caused it. The proofs of this condition are so many that there can be no more well founded objection to it. I have shown you what causes light and heat (Vol. I, No. 1, pp. 1 to 4), and how the motion travels thru the gas of expanded matter to the earth, or how the sensation, motion, jar or vibration of light or heat is transmitted by motion. The fact then that an extra number of sun spots and unusual number of explosions on the sun adds to the heat of the weather at the earth, is sufficient proof that falling matter has added to the heat of the sun, and that the motion has been transmitted to the earth with the speed of light (Law XVII., Vol. I, No. 12, p. 3). "The more matter that falls into the sun, the more heat is created and the more gas is expanded; therefore the more rapid the jars or vibrations which cause the impulse motion of light. The more rapid this motion is at the sun, the more rapid it is at the earth, and the more heat is caused by this increased vibration, which is friction; thus the additional heat of the sun is transmitted to the earth's atmosphere with the speed of light. The Zodiacal light is a vast body of matter surrounding the sun, which is too small to be seen as individual bodies, but which travels in orbits and is always on its way, and the closest, always falling to the sun. This matter is probably composed principally of the remnants of the millions of comets which have distributed themselves in the past, as Enkes, Fayes and others are known to be doing at the present time. The

immense explosions at the sun, very often jars the gas of expanded matter, which surrounds the sun, to such an extent that it moves sensitive magnetic needles and magnets at the earth. These delicate instruments are always hung so as to faithfully detect and record any disturbance at the sun (165) which happens day or night. Every considerable piece of matter which falls to the sun is faithfully marked in ink on paper, and can be depended upon as correct. While god is idling away his time, counting the hairs on dogs, recording the falling of sparrows and murdering millions of first-born infants by smashing their brains out on the door posts of their homes, Nature is doing and undoing the useful work, thru all the universe, by the expanding and contracting of matter by heat and cold without anger, jealousy, curses or repentance, and men hang up little instruments by delicate threads which count, weigh, number, measure and record all her progress, whether they are waking or sleeping.

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### EXPANDED MATTER.

Heat expanded matter fills all the universe of endless space, and there is no vacuum in nature. There are centers of matter, but out from these centers the surrounding gases simply become less dense and more sensitive, but never disappear. They could not because, like dividing ten by three, there is always a remainder. If there was no gas of expanded matter filling the entire space of the universe, the motion of light could not reach us from the sun or from the stars which are trillions of times as far away. There must be a substance for this motion, jar or vibration to agitate, in order to transmit light, heat or motion. Neither light nor heat can pass thru an artificial vacuum, provided it is an absolute vacuum. In experimenting with liquid air, it is found that by placing it inside of a glass bottle which is double with a vacuum between the two bottles, almost no heat can reach it, and it can be kept in a liquid state as many days, as hours formerly. At the surface of the earth where expanded air has a pressure of 14 pounds per square inch at sea level, one cubic foot of liquid water will make 1730 cubic feet of expanded gas of water or

vapor. This is caused, of course, by heat. The more specific gravity an element has, the more heat it takes to expand it into gas, and the more space its gas occupies. Gold is many times heavier than water, and the bulk of a cubic foot of gold when changed into gas by heat, would be just as many times as great as a cubic foot of water changed into gas or vapor by heat. The less heat it requires to change matter into expanded gas, the less cooling or pressure it requires to change it back again into solid or liquid matter. It takes but a few degrees of heat to expand water into vapor, and it likewise requires but a few degrees of cold to contract it back into liquid and allow it to fall to the earth as rain. As long as enough heat remains in it to keep it expanded it can not return thru itself, because it is more dense, the nearer we approach the earth. This same law or condition must and does hold good with all matter. Matter expanded by the immense heat of the sun which is 146 times hotter than the Drummond light is the gas of a complete admixture of all the elements of matter in nature and requires the immense cold of the region beyond Neptune to reduce or condense it back into crystals of solid matter. There is, of course, still a remainder, and there is always a remainder as we know that light could not travel from distant suns thru space if there was not the gas of expanded matter to transmit its motion. It may, of course, be possible that some of the gas expanded at the sun condenses at a much higher temperature than others, and it would certainly appear to be the case when we remember that beyond Neptune in the region of Nebulous clouds which surround the ecliptic of the solar system, is the distance at which the majority of matter apparently changes or condenses by cold into solid matter, yet there are still finer gases remaining which reach on and on thru trillions of miles of cold and dark space, which, perhaps, never crystalizes. Many scientists have the belief that when matter condenses in the region where the new worlds are formed, the heat or electric energy is pressed out of it, and that it returns to the sun as currents of electricity or heat; but allow me to call your attention to the impossibilities of this action in nature. In the first place, if it did not enter and become a part of solid matter it would still be expanded and could not return towards the sun because the

expanded matter (down) towards the sun is more and more dense, the same as air around the earth. Again we can take solid matter here at the earth, and by proper combinations cause a uniting which creates heat, light, electricity and energy, showing and proving that the force was stored in the solid matter. If some gases do not change back into crystals of solid matter in the region of Nebulae beyond Neptune, then it is reasonable that some may condense into solid or liquid at a less distance from the sun. We know that all space thru which our earth travels is pregnant with matter of all dimensions, from unmeasurably fine dust, to chunks of matter several miles in diameter. Undoubtedly there are millions of times as much matter returning to the sun in this independent shape, than returns in the form of planets. Being so small and so much more easily attracted they make their return journey in much less time. A great source of this matter is the ever-scattering of comets (See "Orbits of Comets," Vol. I, No. 9), leaving longer and longer streams of meteors until they finally disappear, having no longer solid body enough left to create the friction of light by their rapid fall around the sun.

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## L I F E .

So long as people imagine there is what is called a soul in the human body, just so long will there be superstition and error, and as long as there are men who have no more honor than to live upon the charity of credulous women, so long will they attempt to keep this false doctrine established in the minds of the ignorant and intellectually dependent. In the past few years science has made such strides of advancement that there is no excuse for even a woman to believe it possible for a dead person to still exist in what is called a "spirit" or "soul," which is in the form and shape of nothing. One hundred years ago the church did not consider that a woman had a soul; forty years ago they did not consider that a negro had a soul; and today they do not consider that any animal, plant or life below the human being has a soul. When we come to draw the line, however, between the human being and the animal, we find there is no such a line, and that the

human is an animal. We find human beings in the woods and jungles of Africa and South America, with less intelligence than the highest and most intelligent apes and animals. We find insects who live in the highest orders of socialism, carrying on business, agriculture, conquest, slavery, etc., and showing occult powers and intelligence far superior to the lowest orders of men whom religion admits are provided with a soul by an alwise creator, whose origin they consider it a crime to question. Religion says there could be no earth without a god to create it, but when you ask "who created god?" they simply cry, "Shame," "You are a blasphemer," "God's ways are past finding out," etc., always failing to show why nature must have a creator, whilst god needs no creator. Their childish and silly logic would not stand for an instant, even in the mind of a woman, negro or child, if they were allowed and were not too indolent to think. If it is admitted by religion, and it is, that the ignorant savage who lives in the tree-tops of the jungle, and holds the bible with which the missionary presents him, in his hind foot, has a soul which never dies, even when plunged into the christian lake of burning brimstone; what are you going to say of the ant or bee who shows a hundred times as much intelligence, purpose and industry? Have they also souls?

What is mistaken for a soul is a force produced in the nervous system by the expanding power of heat and the contracting power of cold or lack of heat. This force is the consciousness of the mind or nervous system, and the forces which produce it and all its effects are becoming well known to science. There is no other motion possible in nature than that made by either the expanding or contracting of matter, and these two motions are the result of heating and cooling. Heat expands matter from 1,730 to 11,000 times its bulk, when it was solid, thus lifting its weight away from its center; and when it is thus expanded into gas, it again cools and crystalizes into solid matter, when it immediately begins to fall back to the center from which it came. It falls faster and faster, and at last, when it again reaches the center, the collision of its fall and the chemical friction of its disintegration develops exactly the same heat which was expended in expanding it into gas. Every life form must have a nerve

center, and a nervous system according to its intelligence. The human brain is the center of the nervous system of the human being, and from the brain center it reaches every part and particle and atom of the human body. In order to keep the force of consciousness alive or in action in the human brain and body, we are compelled to develop the force of heat in our bodies by taking into our stomachs such matter as will create the friction of heat by its disintegration or rotting. This is a chemical process by which different elements of matter in changing their form or uniting with each other create friction. Let us take notice here that heat, light, electricity, power and energy are all, but different manifestations of heat, and that either can be readily changed into either of the others. The nervous system consists of a soft, collidial substance called pro-to-plasm, and is made of atoms composed of ions or infinitesimally small globules which lie loosely together while this matter is kept warm and life exists. Sensations or consciousness travels thru it exactly as the motion of light travels thru the gas of expanded matter, or as the impulse of motion travels thru the line of bullets in a gun barrel. If we have a gun barrel 25 inches long filled with 100 bullets, and we push one more bullet in at the breech, the one at the muzzle instantly drops out. Each bullet traveled but one-fourth of one inch, and yet the impulse motion traveled 25 inches. If some one sticks a pin in your toe the consciousness of pain travels to your brain in exactly this way; one ion jars its neighbors, and the jar or vibration or sensation, which is motion, jars the next, and thus travels. As long as we have fuel in our stomachs to keep our blood warm, and air in our lungs to burn the refuse dead matter which the blood brings to that crematory, we should be in a condition to live. The time comes, however, when for some cause our supply of heat is stopped and death or *rigor mortis* takes place. There is no more consciousness. The immediate cause of this stopping of consciousness is that the protoplasm has crystalized, and there is no more motion in it, and at that instant consciousness (which is mistaken for soul) ceases to exist and death takes place. There can be no life or consciousness without this force or motion jarring or vibrating upon the collidial ions of this protoplasm, and there can be no light or heat passing

thru a vacuum where there is no gas of expanded matter for it to jar or vibrate. Prof. Loeb has shown that poison causes death in this same way, and that consciousness ceases at the instant the ions of protoplasm solidifies. Consciousness or life being but a motion or force, having its beginning in the nervous system, ceases when it can no longer be transmitted thru the nervous system, therefore it is impossible that it could exist outside of a nervous system where there is no protoplasm or force, or anything to be made conscious. Conscious life is simply force, and we are forced to do whatsoever we do. When the worm is hatched at the foot of the tree, he feels the force of contraction; that is, he is getting colder and the pain of hunger forces him to move; he feels the direction of the warm sunshine and crawls up. As he goes up, this pain of contracting or force compels his mouth to try everything he passes, and when he reaches the soft bud he eats it. Some time ago I mentioned the fact that the pain caused by pinching the extreme end of a cat's tail causes an action of the jaws. It is in the same effect, force of pain or of contracting which forces the worm to eat the bud. When the worm has eaten the bud and it begins the friction of rotting in his stomach, he at once becomes too warm in the sunshine and he is forced to crawl back, where he lies in the shade until empty, and is again forced by pain to crawl up for another bud. We see, therefore, that there is nothing in nature but force, energy or motion, and that all motion is caused by heating or cooling of matter. Matter is never at rest, and is either heating and expanding, which is a force that raises matter up from a center, or else it is cooling and falling back to the center from which it came. There is absolutely no motion or force made in any other way, and mind is only a force or motion of matter. Many people would rather not believe this to be true, on account of its interference with their religious belief, but let me beg of you to believe nothing but the truth, and assure you that what is true can never harm, even the tenderest and most delicate combination in nature. Truth can not do us harm, because it is true, but superstition and beliefs which are not true, can harm us, and do harm us, by keeping newly discovered truth away from us. It is true that there is no such a thing as a soul, to go on living after we are dead,

but if we believe there is, we lose the opportunity to evolve to that perfection, where the inherent desire for betterment (which is evolution) is rapidly leading us, when our youth will again be renewed by nature at second childhood. We have a great deal to learn, and still more to forget, however, before we reach that stage of evolution, and we never can reach it while we believe in the ridiculous superstitions prevailing, which are contrary to nature.

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## WHY THE NATIONS OF THE EARTH ARE NOT CHRISTIAN NATIONS.

By G. MAJOR TABER.\*

Is it not a pertinent question for a philanthropist to ask: "Can a Christian fight?" As my subject will tend towards analyzing what I believe to be true Christianity, I shall take my text from the 20th chapter of Genesis and 11th verse, which was said to be a command of God through Moses on Mt. Sinai. This command was to the children of Israel, and it was this: "Thou shalt not kill."

It is my purpose to show how that command has been obeyed by Christian nations. This command was sublime in its conception, and foreshadowing the universal brotherhood of man. It was as binding upon nations as individuals. Yet the history of the world shows emphatically that no nation has ever yet been established but by bloodshed and the power of the sword. The empires of the Eastern and Western continents have been obtained and sustained only by rivers of blood and wholesale slaughter too horrible to contemplate, and yet they assumed the name of Christian nations.

On the subject of religion, we might divide the people into four classes: First, popular Christians who let others think for them; second, ignorant Christians who never think; third, don't-care Christians, who are indifferent and, fourth, intelligent thinkers who think for themselves. In a former paper before this club, I stated that for 300 years after the advent of Jesus, the Christian policy was peace, and not war, and no Christian could be forced or persuaded by the Roman

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\* Condensed from a lecture to the Los Angeles Liberal Club.

consul to take up arms. Constantine, the first christian emperor, reigned from 306 to 337. This same christian emperor fearing the rivalry of Lucinius, murdered him in cold blood. His wife, Fausta, he put to death in a tank of boiling water; he beheaded his eldest son and murdered the husbands of his two sisters, and also a nephew of 12 years. These were the acts of the first christian emperor, and since then the christian (?) nations of the earth have followed along on that line, ignoring the doctrine taught by the founder of the christian religion.

Scotland was in continual war until she united with Great Britain, and Britain has thrived upon carnage until the sun never sets upon her dominions. The history of her Sepoy conquest, where scores of her victims were put into the cannon's mouth and blown to the four winds of heaven, will ever remain as a dark stain upon her history. Spain, in her conquest of Mexico and the adjacent islands, for over a century subjected the natives to wholesale butchery in the name of the Holy Catholic church. I may say truthfully that the whole civilized world has been a continual battlefield, where the shrieks of the dying have scarcely ever been silent. War, or national murder, may be divided under three heads: Conquest, religious aggrandisement, and in the name of liberty. The watchword of nations has been and still is "Conquest," and the man who has been the most successful in destroying life has been the hero of the age in which he lived.

There never was a good war or a bad peace. There never has been a war in which there was not finally a settlement. Had the settlement been first, there would have been no widows and orphans left to weep, mourn and suffer. How many soldiers' homes, filled with cripples and broken-down constitutions, think you, would exist today in our country, had the settlement come first? The enormous expense of our government alone for our navy and army purposes, as reported by the committees on appropriations, according to their respective reports, amount to \$344,924,508.96, which is nearly \$50 per capita for every man, woman and child in the United States, and the recommendations of the official head of our national fighting department suggests that we are still short of ironclads to make us the boss fighting nation of the world.

And yet, we are a christian (?) nation, sending out missionaries to all parts of the world to convert the heathen. What a sad comment upon the doctrines of Jesus, who, it is said, suggested that if a man strike thee on one cheek, to turn to him the other also.

Was the philanthropic George Peabody, who bound up the wounds and filled the stomachs of starving humanity elevated to the highest and most honored gift of the people? Can we honestly claim to have outgrown the customs of our barbaric forefathers? The proud boast of a typical American citizen is, my grandfather fought in the Revolution, instead of "my grandfather devoted his life to the cause of suffering humanity and in doing good to his fellow men." Where do you place today the memory of the 500,000 brothers who left their homes and their families, and their bones to bleach upon our battle fields? We see only an occasional monument ornamenting some public square, erected to their memory. Their names are forgotten, their history unwritten, and thousands of their widows and orphans struggled in poverty, while the leaders who snuffed the battles from afar, received the credit and were clothed in purple and fine linen. Nations delight to honor the genius of war, but the men who give up their lives at their officers' command, rest under a slab on which is marked the name and number of his regiment, and is soon forgotten.

The man who originates the most destructive weapon to human life is better paid and honored than he who discovers a remedy which is the greatest saving of human life. Is war, then, the highest type of civilization, and the result of the teachings of the gospel of "Peace on earth and good will towards man?" It is a historical fact that more blood has been shed in the name of religion than from any other cause, yet Jesus, over 1800 years ago, said: "These things I command you, that ye love one another." Will love towards our fellow man prompt us to take his life? Can a man fight and be a true follower of Christ? Are we a christian nation, and is there a nation upon the face of the earth which is truly a christian nation? Even the President of this great republic, which is filled with thousands of churches and christian organizations, remarks that a good soldier ought to be not only

willing, but anxious to fight. If that is christianity, then it would seem that to be a typical christian, one must be not only willing but anxious to become a murderer and a despoiler of his fellow man at the beck and nod of official authority for some supposed offence, or for the increase of more square miles of territory. Are we not yet wearing the swaddling clothes of barbarism, and should we not hope for the time when national difficulties should be settled by arbitration instead of the sword? Elihu Burrett, the learned blacksmith, some half a century ago, proposed the only feasible solution of this problem. His plan was to form a congress of nations, composed of representatives from every government, and when differences arose on national issues, to let the matter be amicably adjusted by arbitration. Greece long preserved peace by that method, and the German Diet was a court of arbitration to more than thirty free states and cities. The Cantons of Switzerland, differing in language, religion and intelligence, lived in peace under a similar compact. The united provinces of Holland maintained peace by such methods for 200 years. Our government received fifteen and one-half millions by the Geneva award for damage to our commerce by England, which would have cost us millions had it been settled by force of arms. An able writer says: "That it is high time for the followers of the meek and lowly Jesus to study the genius of their religion." A hatred of war is an essential feature of practical christianity, and it is a shame upon what is called the christian world that it has not long since borne universal testimony against this enormous evil which still rages, not merely among savages, but among scholars, philosophers, christians and divines. Dr. Edward Payson, a graduate of Harvard, and an eminent divine, says: "War is surrounded by a deceitful lustre. The monster, unveiled in all its deformity, is seen steeped from head to foot in human gore, gorging its insatiable maw with the quivering limbs of its mangled victims, and feasting its ears with the wailings of disconsolate widows and helpless orphans, while the flash of the cannon, the glare of the bombs, and the red blaze of cities wrapt in conflagration, furnish the only light which illuminates its horrid banquet. Such is the idol whom the votaries of war adore, and such is the Moloch on whose

altars men have exultingly sacrificed millions of their fellow men, on whose bloodthirsty worshippers beauty has lavished her smile, genius its eulogies, and whose horrid triumphs fit only to be celebrated in the infernal world which painters, sculptors, poets and historians have combined to surround with a blaze of immortal glory." The very things, says Seneca, which, if men had done in their private capacity, they would expiate with their lives, we extol when perpetrated in regimentals at the bidding of a general. War makes villains, and peace brings them to the gallows. Louis Bonaparte said: "That even the sight of a battlefield not only struck me with horror, but turned me sick." Jerrold, upon this subject, says: "What a fine looking thing is war, dress it as we may, feather and daub it with gold, huzza it, and sing swaggering songs about it; what is it nine times out of the ten, but murder in uniform. War impoverishes the world, ruins commerce, degrades society, fills our asylums with cripples which the people must support, makes widows and orphans, physically disables our best citizens, and inculcates idleness and profligacy, and cultivates the animal instead of the spiritual nature of man." Let us look a little into the cost of war.

[*Concluded Next Month.*]

### PAINTER STURGIS' LETTER.

The following letter is from our well-known Los Angeles painter, F. E. Sturgis:

MR. F. H. HEALD: After re-reading much of the December HIGHER SCIENCE, I heartily concur in Prof. Jamieson's appreciative remarks in November "H. S." that "Each month it is growing better and better," and with him "I earnestly hope you may conquer a success." Planetary procession, or motion of matter as you expound, it appears to me, the most simple, rational explanation of the growth and dissolution of atomic forms extant, and seems destined to displace Nebular theory as a solution of the existence and continuation of the molecular universe.

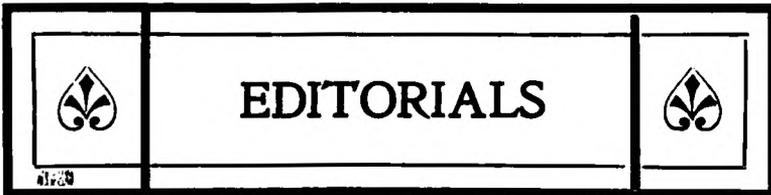
Civilization is largely due to philosophical research and a potent factor in human advancement from barbarism, is the

science of astronomy. Each new discovery relative to Astral bodies sets an epoch in intellectual destiny, and correspondingly severs a link in the chain of supernatural sophistry which no power can ever weld. Flat, four-cornered, restive earth philosophy could not maintain against revolving rotundity. Creation a myth, struggled desperately for supremacy as a "first cause" hypothesis in opposition to eternity of stellar evolution, but has no place among twentieth century sciences.

"Procession of planets is the latest and greatest demonstration of material indestructibility, beginningless, endless and boundless with coherent force; it will inevitably end the bitter conflict between rational and supernatural propositions to account for all that is. To assume that a birthless and deathless personality, intelligent, self-clothed with unlimited creative and governing functions, christened "God," spoke the millions of suns and their planetary systems into existence without "raw material," is too absurd for the belief of savages. On the other hand, to assert as many do, that the force co-existent with matter, occupying all space, is a God, personality intelligent, is equally incredulous, paradoxical, unthinkable and forever at variance with common sense; to postulate an intelligent personality necessitates individual organism which instantly imposes limitation of locality and scope of action.

Is not a proposition that force is inherent in all matter from molecules to universe, and is as science demonstrates, capable of dissipating, reorganizing and operating all matter through eternity just as comprehensive to the mind as the theory of a God personality, whose origin, location quantities and character are absolutely unknown and so admitted by the sworn defenders of the doctrine?

Matter indestructible exists. Force, all forceful, pervades all matter. This is a statement of a truth self-evident which, beyond observation, requires no other proof to enable the mind to grasp and retain without volition. A self-evident or demonstrable fact is to intelligence the "knowable"—a science.



### Higher Science

Is increasing its subscription list very rapidly. Last month it added 200, and therefore has that many additional friends, saying a good word for it and loaning it to their neighbors. We hope you will approve of its work of reform and if so, help push it to the front. A little advertisement will bring you trade and sustain the cause at the same time.

### Our Friends

Were joyfully surprised and our enemies paralyzed last month, to find the magazine contained 32 pages instead of 24. We propose to gradually increase the value of the magazine as its friends increase their support. Remember a small advertisement in HIGHER SCIENCE will pay for itself a dozen times every month and help the cause of science and free-thot.

### The Two Splendid

Articles by William Plotts, which have lately appeared in this magazine, have received much favorable criticism. Mr. Plotts is not an unusually large man, but he has an unusual habit of arriving at right conclusions from right thinking. This statement is further corroborated by his many successes.

### Thru a Mistake

By others than the editor, Painter Sturgis' interesting letter last month was separated into items, for which all kinds of apologies are due Mr. Sturgis. The letter was so good that the intelligent devil who makes up the forms, mistook it for a number of excellent editorials. You will find it this month in proper shape.

**"Temple of the**

Rosy Cross" is a beautifully bound, 300-page book by F. B. Doud, of Rogers, Ark., and published by Eulian Publishing Co., Salem, Mass. While the author is not offensively pious; that is not nauseating, as christians are, but still has the idea that part of a dead person in the shape of nothing, is wandering around thru the air, watching (?) for a chance to get into the living body of some new-born human being or animal. It is more of an authority on Theosophy than on scientific matters.

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**Helen H. Gardner**

The famous free thot lecturer, and author of "Men, Women and Gods," a work which scarcely has an equal, is to be present at the Paine memorial exercises, January 29, at Blanchard Hall. Mrs. Gardner-Day, with her husband, Col. Day, are visiting Los Angeles for a month on their trip around the world. This trip has been arranged on account of the lady's health and incidentally, will prove, if they keep traveling west and reach New York again, that our dearheavenlyfather was wrong in thinking the world was the same shape as his own, i. e., three-cornered and flat.

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**President Roosevelt**

While police commissioner of New York, invented a policeman's club with steel teeth, to be used in riots. It was a weapon so barbarous that he was not able to get a patent on it, and thus lost the great opportunity of his life to be "the people's friend." He seems to have a natural-born christian desire to kill, torture and pose, and says that "a good soldier should not only be willing but anxious to fight," no doubt the same as the inhuman Calvin loved to pile on green wood when burning an astronomer.

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**Prof. Ira L. Guilford**

Is a marked character in his work of character reading by the help of phrenology or the various measurements of the head, together with its shapes, bumps and lines or wrinkles. We are glad to welcome him to the Liberal club as

an active freethinker. Do not miss his next lecture before the club.

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### The California State Association

Of drugless healers, has been organized. The object is to protect other interests besides the State medical trust, or *politica-medica*, which has such a political pull that people who refuse to take medicine or have poison injected into themselves and children, are arrested, fined, imprisoned, dosed, injected, and vaccinated by these drug and political healers, to suit their own mighty pleasure.

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### The Oil City

*Derrick*, once a famous oil producers' organ and authority, but which now exists solely for the glorification of the Standard Oil Company, refers to Mr. Plotts' able article on "Origin of Petroleum, etc.," in our December issue as "a muddy theory, in an alleged scientific magazine, and as good as any theory." It was, however, very careful not to republish any of the original, tho impious thots. A score or more of underlings would lose their jobs, if the work of the holy John's crazy old fool of a god, was contradicted in the *Derrick*, even by a clipping. That paper long since ceased to be scientific or useful and is far along in its dotage.

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### The Association of Psychic

Teachers, is a new movement in the right direction which the New York *Sun* makes light of. In its ignorance the *Sun* evidently still fondly clings to the "three Rs" and Solomon's idea of education, by thrashing the child with a rod. More bright young minds have been driven to insanity and premature death by the worse than useless studies of grammar, orthography and arithmetic, than have been killed on the rack by the christian church. Why cling to these old rudiments of christianity any longer. The Chinese are so far ahead of us in the science of mathematics that there is hardly a comparison. Give any Chinese merchant in this city a hard problem and by the time you have finished your statement, he will give you the correct answer. As to spelling, no word should ever be spelled hereafter, except by sound, or

written except by phonetic characters. Grammar is the form of ancient insanity which came from the dark forests of Africa. What we want is to teach our young people how to think right and let them get their own education by their experiences. More fools than good thinkers, are made by the colleges.

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### **It is Unreal**

And wrong to try to sympathize with and compose a person who has suffered or is suffering for the wrong he has done. If it is bad health, it is his own fault. Tell him so and point it out to him so that he can realize it. If for dishonesty, laziness or ignorance, or for any other reason he is suffering, show him that it is his own fault, and that he really has no right to live and make his friends unhappy. Waken him up and never pat him on the back and encourage him in the faults that make him suffer, just because you imagine it makes you a good fellow in the eyes of others. Never mind others; be honest and do the best you can, and others will be some better for it, even if they do curse you for telling the truth.

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### **A Human Freak**

In the shape of a "lawyer" who "practices" in this city, writes a low, scurrilous letter to the editor, showing almost as much lack of an intellect as the god he champions, and advises us to discontinue the magazine and feed hogs. Well, old bore, we do not care to waste pearls by casting them before swine of your calibre, but at the same time if you will digest some of the rich food for thot, with which HIGHER SCIENCE is overflowing, your eyes will change their present position, gray matter will gradually take the place of your catarrh and by the time your subscription expires, you will know better than to write such a letter to the editor of this magazine and sign your name to it. We regret that we have not space this month to hold this fellow up by the tail for public inspection.

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### **This Magazine**

Does not necessarily indorse the article in this issue by G. Major Tabor in all particulars. He merely assumes that

Jesus Christ really lived and taught the peaceful and loving things ascribed to him by parts of the New Testament, while the truth is that these moral teachings are all taken from much older bibles and sacred (?) writings. The new things that he, or his creators, really did teach are all bad. It was Confucius who said and taught the sermon on the mount. Jesus Christ said "I come not into the world to bring peace, but a sword, to divide the mother-in-law, etc." He taught witchcraft and thus directly caused the death of 9,000,000 women by torture. All his example and teaching was against marriage, the very foundation of good society and civilization. His example and teaching of misogyny, at the same time being followed by a bevy of addle-pated women, who washed his feet with their tears and wiped them with their hair, is the cause of such an enormous amount of adultery between preachers, priests and women (see *Crimes of Preachers*, 25 cents). Amongst the new things ascribed to Christ's teaching we may mention, improvidence, hell-fire and brimstone, immaculate conception, forgiveness of any crime, encouragement of crime (Luke xv-7), infant damnation and a thousand other crimes.

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The proceedings had in the election contests, not only in this county, but in other counties in the State, show conclusively that one of the first and most important duties of the legislature of California, now about to assemble, is to wipe off the statute books of this State every vestige of that miserable importation, that acme of assinity, the so-called Australian ballot system, which is a standing reproach upon the common sense of the people who supinely endure its existence, and the outrages they suffer from it.—*Hon. W. W. Bowers, in S. D. Union.*

Our friend Bowers is right again as he always is; neither is he afraid to tell the truth, and never was.

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The wise man hath thot in his mind "god is a fool; he hath worked six spiritual days of 400,000,000 each, making the earth, and still believes it is the shape of his own head, which has three corners and is flat."



The nearer a man is related to a monkey, the less he is willing to admit the now undisputable laws of evolution, but the fact that he appreciates and resents the intimation, is evidence of progress.

(Matt. x-34.) Think not that I am come to send peace on earth; I come not to send peace, but a sword.—*Jesus Christ.*

The fate of Lot's wife was all her own fault; she first turned to "rubber" and then turned to salt.—*Freethought Magazine.*

In the apostolic age converts were required to undress for baptism, and anointing with oil. The women claimed the right to baptize and anoint their own sex. (Vide Tertullian, ch. 17), also Bunsen's Christianity, etc., vol. 7, p. 386. But the bishops and presbyters demurred to being relieved of baptizing the female members, and the practice of allowing women to perform the ordinance was accordingly declared heretical.—*Texas Examiner.*

Every lady who reads this must blush for the ignorance of her sex, in supporting the low villainous priesthood. (Read Crimes of Preachers, 25c; also Luke vi, 26, and I Cor. vii, 36. New version.)

Christmas was celebrated by the ancients in memory of the appearance of the lengthening of days. Will the light in your heart shine forth into the dark corners of superstition and call out the joy hidden within the bosom of your being? —*Sun Worshipper.*

Mental apathy is the result of ages spent in farming out one's thinking. We pay the preachers and lawyers and doc-

tors to think for us. We even pay gardeners and artists to find out for us what is beautiful and what is not. And see how utterly dependent we are upon the opinions of others for every conceivable thing.—*Freedom*.

The pity of it is, too, that it is on account of our mental laziness.

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As a preliminary to republishing our September article on water supply, the *Santa Ana Herald* says:

“A writer in the September HIGHER SCIENCE, a journal published in Los Angeles, has an interesting speculative article of local interest on the probability of a big wet year in 1903-1904, basing his opinion on some observed phenomena in relation to the water supply in Lake Elsinore, the Big Laguna. If good for nothing more, it is at least an interesting theory, and it may possibly be a correct prophecy of what ought to occur in the winter of 1903.”

---

Jesus stood before Pontius Pilate, as I read the history, a failure. How the atmosphere of him, the most powerful of psychics of ancient or modern times, became disturbed, one may not know. It may have been caused by the repetition of the words, “unless I go away, the Comforter will not come to you.” I do not know the cause.—*Path to Power*.

HIGHER SCIENCE suggests that perhaps it was caused from accumulated filth, which we invariably find in connection with religious faith. We must not forget that it had been some time since the handsome Mary had bathed his feet with her tears and greased him with ointment. The grease itself may have spoiled and there are a number of other probable reasons why the surrounding atmosphere would revolt, without any necessary supernatural cause. Really, it would have been a genuine miracle if it had not.

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Amid the din and confusion of doubting millions wrangling over doctrines, standards, and ancient theories, Science stands today in calm and majestic grandeur, the safeguard and refuge of mankind. Crowned with the diadem of truth, clothed in the golden robe of reason, it carries in its hand the written experience of the ages.—*The Jury*.

*The Independent*, a Los Angeles paper which reeks and stinks of the filth and rottenness of God, Jesus, David, Paul and the rest of them, including the local pauper ministry, who live from charity, by begging the pennies and nickels of poor, confiding women and innocent little children, speaking of a confederation of christian churches, remarks:

"It simply appeals for the unity that shall bring the entire household of faith into such relations of co-operation and counsel that the Church of Christ as a whole may do its appointed work, and hasten the day when "every knee shall bow and every tongue confess that Jesus Christ is Lord, to the glory of God the Father."

You are barking up the wrong stump. That day will never return when the church will have power to force "every knee to bow, and every tongue confess," or be burned to death with green wood, as formerly. Every male above the age of seven, who believes or pretends to believe in this revolting and sickening religion, should be electrocuted, shot or hanged by the authority of law, wherever met and convicted. This curse has kept science and knowledge back for 2000 years, and should be treated in the same manner as we would treat a scourge.

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Frank H. Heald, at one time owner of the townsite, and we might say the valley, in which is now located the town of Elsinore, Riverside county, is issuing a monthly publication in Los Angeles, called **HIGHER SCIENCE**, which has for its object the advocating of an increased water supply for Southern California. When Mr. Heald settled in the Elsinore region it was then a part of San Diego county. — *Colton News*.

Our object being less hell-fire and brimstone, as a protective measure, would naturally suggest the increased use of water to a Colton man, but to the Colton instinct present water as a beverage is about as much to be dreaded as future fire.

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Their peaceful tastes have not prevented the Chinese from preserving their empire for a period of time which makes insignificant the duration of the military empires of the West.

And now come Christians with a book in one hand which says "love your enemies," and a musket in the other, and proceed to identify the doctrines of the "Prince of Peace" with the manual of arms. It is an insult to the memory of Jesus.—*Whim.*

Nonsense! Jesus Christ was an ignorant villain, according to the Christian history of him. He taught the most unnatural filthy and dangerous doctrine ever introduced into the world. Look at the fruits of it! Twenty-five million tortured to death as heretics and witches, besides untold millions killed in wars of dispute about this "Prince of Frauds," who said "I come not into the world to bring peace but a sword."

---

A writer in the *California Voice*, in a long article upon the subject of the women who occupy the cribs of this city, and the politicians, says:

"I wish to remove the false impression that these women are a class apart, that they were born to vice and have nothing in common with the pure and virtuous. No such thing; nearly all of them are the lost daughters of Christian parents. Each of them represents a piteous tragedy. Somewhere hearts are breaking over them."

If he had said, "each one represents a pious tragedy" he would have hit the mark ninety-nine times out of a hundred. Most of these girls are ruined by preachers and priests, in their private homes and in convents, where these charity-fed, lazy villians are the only men allowed to meet them alone.

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The San Jacinto *Register* publishes our water supply article in our September issue, in full, and says:

"F. H. Heald, who claims to have discovered Lake Elsinore and who was one of the founders of the colony and city that bears this name, is now editing a magazine in San Francisco called HIGHER SCIENCE, and in the last number he publishes the following interesting article."

Now the fact is, F. H. Heald never made any such claim, as to have discovered Elsinore Lake and gives the

lake's history back for 300 years, in the very article republished by the *Register*. Neither is HIGHER SCIENCE published in San Francisco, but in the beautiful city of Southern California Angels.

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President Raymond of the Wesleyan University is quoted as having addressed a meeting of Methodist ministers in the following terms: "It is useless for you as Methodist ministers to ignore science in your theology. Scientific research has undermined the book of Genesis as it relates to the creation of the world."—*Truthseeker*.

It has also ejected god and his hell off the earth and out of the universe, leaving our blessed savior without a job and without a father.

---

The world needs a wholesome education in opposition to formula. Unfortunately every one dreads a change. This dread is why old parties thrive and old creeds survive. It is easy to swim with the tide, but when one is mentally born into a higher selfishness he will wish to impart his satisfaction to others; it is then that he is dubbed either insane or criminal in his intentions.—*Stuffed Club*.

It is caused by mental laziness. Most people are too lazy to think, and then curse others for getting the good things of life. The religious curse, teaches them a future life is in store, where they will be rewarded for present mental laziness.

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Before the phantom of false morning died,  
 Methot a voice within the tavern cried:  
 "When all the temple is prepared within,  
 Why nods the weary worshipper outside?"  
 —*Omar Khayyam*.

All comments on the above "false morning" are about the same and as follows: "The 'false dawn;' *Subbi Kazib*, a transcendent light on the horizon about an hour before the *Subbi sadik*, or true dawn; a well-known phenomenon in the East."

The fact is that it is the zodiacal light, and is well known in the East only from the beginning of October, and lasts thru

November, and in December is seen on both sides of the sun or before sunrise as "false morning," and after sunset as false twilight. During January, February and March it is in the west, and its bright apex reaches almost to the Zenith at dark. Omar Khayyam was an astronomer, and no doubt knew the cause and time of this "false morning," but he is not the critic of his own great poem. The critics are those who "love jesus" and know very little else. They are too lazy to care whether there is a cause for "false morning" or not. They consider it one of "god's ways, past finding out," and let it go at that. If they did know what caused it they would be likely to help twirl the flaming swords (lies) to keep the women and darkeys from eating of the tree of knowledge.

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F. H. Heald,

DEAR SIR: I notice with pleasure that the December HIGHER SCIENCE is about a third larger than the preceding numbers. I hope that is to be a permanent feature so you can have a larger field in which to keep up the good work of expanding science and contracting religion.

As two bodies cannot occupy the same space at the same time, neither can this little world that we inhabit contain both science and religion, even with Dr. McIntyre's eloquent harmonizing — they harmonize like a snowball in hell by the absorption of the snowball, and when the harmony of science and religion is completed, it will be all science; like the lion and lamb that lay down together with the lamb inside the lion.

I appreciate your efforts in hastening the happy day, and until ignorance and superstition are banished from men's minds there can be no real civilization. That with our progress and enlightenment in other lines, we should tolerate such absurdities as the christian religion, and a personal god will be the marvel of coming ages. Therefore, I say, "Lay on, Macduff," and whenever you see an orthodox head, hit it until the brutes and cowards that won't pay their taxes and exist by begging and theft, will shrink away in darkness from the sight of honest men and women.— *Walter Collins.*

---

Dr. B. A. Wright, one of nature's noblemen, who is too honorable to attribute the failures of other doctors to cure

patients (while they still have money in their pockets) to anything more dishonorable than a faulty *materia medica*, criticises HIGHER SCIENCE ridicule of M.D.'s. in a gentlemanly letter dated December 27, 1902. After showing that most of the drugs used in the practice of medicine are poisons which oppose the vital force, says:

" . . . . The only reason that almost all their patients do not die, is because the Dr. knows about how many grains or drops of the medicine to give without entirely using up the vitality of the patient. In cases of cure the vital force of the patient overcomes the disease and the patient gradually gets well.

You speak of the Chinese system of receiving pay for keeping the patient well, but mind you, their practice is entirely different. The Chinese are debarred by law from using medicine that acts as poison. The penalty for using a medical agent that does not act in harmony with the *vis medicatrix natura* is death by decapitation.

I think an institution of the kind you speak of would be a great improvement upon our present system, but if the same variety of poisonous drugs were used the result of the cure would be the same, and the death rate enormous as it is under the present system of drug poisoning, which is done in good faith because the Dr. is taught that way, and his prejudice is a fixture, the same as the poisonous preaching is fixed in the mind of the pulpit orator. I think you are doing a great work. You are fearless in pointing out the evils of the present modes of society. You are trying to promote the reasoning faculties of the people in general. I hope you may live long enough to see some full fruits of your labor. This will be slow, but it is coming. So mote it be.

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Christian Science and its female inventor continue to get their due, or a part of it. Dr. Parkhurst, a few Sundays ago, said of this humbug and the humbugger who founded it:

"In our day, thousands upon thousands of men and women, many of whom have been in our churches, who have heard the gospel but who have only toyed with its realities, and never have been found by its truths, are at this moment being sucked into the draught created by a shrewd but con-

scienceless woman who lies and knows she lies (granting her to be of even ordinary intelligence), but who finds in the roomy vacuity of her susceptible devotees easy space for the inlodgment of her astounding conglomerate of piety and puerility."—*Boston Investigator*.

The Dr. is right once, for a wonder. In our day people know more than they did when the church burned thinking people to death with green wood. They "toy" with religion, and "have never been found by its truth," because there is no truth in it. If Mrs. Eddy "lies, and knows she lies," she is no worse than Dr. Parkhurst, who is one of the greatest liars of the age, and knows he is a liar, even granting that she is a dozen times more intelligent than Parkhurst or the hundreds of thousands of preachers and priests who disgrace humanity by living off of poor, credulous women, children and negroes.

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Here is some Holy Bible astronomy which the holy fathers and preachers teach poor, dependent, confiding women, negroes and little boys, while they are robbing and begging their pennies and nickels of them upon which they live by charity. Turn to Rev. xii, 3-4.

"And there appeared another (woman) in heaven; and behold a great red dragon, having seven heads and ten horns, and seven crowns upon his heads. And his tail drew the third part of the stars of heaven and did cast them to the earth—" (the balance is too obscene to be published in HIGHER SCIENCE, but all women should read it.)

When we remember that the stars are immense suns, some of them millions of times larger than our sun, and that our sun is 1,300,000 times larger than the earth we can easily perceive the small capacity of an inspired human brain 2000 years ago for understanding and teaching astronomy.

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Puritan, does not necessarily have any sanitary connection with purity.

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(Ex. xxxii-27.) Put every man his sword by his side and go in and out from gate to gate thruout the camp, and slay every man his brother, and every man his companion, and every man his neighbor.—*God*.







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