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# HIGHER SCIENCE



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

JUNE, 1905

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

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**MRS. E. P. FREEMOTT**



# HIGHER SCIENCE

OF THE MOTION OF MATTER

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FRANKLIN H. HEALD, Editor and Proprietor

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No. 6

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## ORDER OF THE UNIVERSE

The uneasiness of some scientists and astronomers, lest some stray planet, sun, comet or moon may sooner or later collide with and destroy the earth, is as needless as the sleepless nights passed by people who imagine that the forests will soon pass away, or that the supply of coal will be exhausted. It is as impossible for two planets to collide, as for two fans of a windmill to collide. When we consider that expanded matter or gas from the sun condenses into dust and gathers finally into a world which then falls in a spiral orbit to the sun, it is plain that each planet in order to form, gathers by attraction, all the material within hundreds of millions of miles of it, including the lesser independent bunches which form its satellites. This expanded matter or gas, when leaving the sun has the motion and speed of the sun's equator and must always continue the same motion from west to east, and therefore the new planet must have the same motion around the sun that the gas had. This leaves no possible chance for a planet to travel from east to west or to meet another planet, even if two could be formed in the same belt or ring of gas. When a planet has formed from this consolidated gas or dust, it has by this time fallen half way to the sun, leaving the vast field thru which it gathered itself, to the solidifying gas out of which the next planet will be formed, thus leaving a clear field for each planet as they come in. It is true that comets, asteroids or meteorites may cross the earth's orbit, but they are small, and if they should actually come within the earth's attraction and finally fall upon its surface, the chances are two to one they would fall into the sea, and if large enough make a tidal wave, drowning perhaps a few thousand people. Should they happen to fall upon the land, the catastrophe would probably be less fatal than a cyclone in a city like St. Louis. True, the satellites of planets fall upon them one at a time as they reach their center, but they undoubtedly go to pieces within a certain limit of approach and fall gradually, most of them burning or changing back to gas in our atmosphere. When the earth was at the present orbit of Jupiter it no doubt had as many moons, but they have fallen one at a time, no doubt before human beings had evolved. If the inside moon of Mars should fall upon the

planet at this time it would only injure plants or possibly a few serpentine animals, inasmuch as the planet is still too hot to have evolved much higher life than vegetation. Our moon is undoubtedly approaching the earth and gaining speed as it falls, but it will reach the earth no doubt about the time that the earth turns one of its magnetic poles to the sun and thus destroys intelligent life. We need not be alarmed therefore, as we will either be dead, or in heaven or some other place to which we are elected.

### WHAT METHOD BEST ?

This magazine has received many letters from leading Free-thinkers, Atheists, Agnostics and others who are radical workers and organizers against the ancient heathen curse, Religion, in all its forms, upon the subject of the "best methods to pursue, in order to rid the intelligent portion of humanity of its evil effects. A great many of these writers and organizers believe that we should adopt the name and propaganda used by Christianity, i. e., Church for name, and music, sociability, etc., for methods to bring the women and children to its meetings. The following is one of the best letters I have received, and I publish it to use as a text for a little "sermon" on the subject :

CLOVERDALE, IND., April 21, 1905.

Dear Sir:—I am writing this letter for the purpose of calling your attention to a method of propaganda which I think could be used to advantage. I refer to the church method adopted by christians.

How much influence do you suppose the christians would have if they would be so foolish as to confine their propaganda to their little weekly and monthly papers, merely? Very little, of course. But with their papers and churches supplementing each other, their power is increased a hundred fold. What is the secret of this power? As I look at it, the church's power and influence in a community is derived directly or indirectly from four sources, which are real, and not imaginary, viz: the pleasures of association, the power and influence of numbers, the fact of having common interests, and the emotions, ideas, etc., aroused by music, discourses, etc., on the minds of the members. If this is true, and the old saying that "the best weapon to fight the devil with is fire" is true, then the most efficient weapon to combat religious superstition with is via the church—a *rival church*. Simply appropriate their own weapons—love, sympathy, friendship, music—minus the words—discourses, etc. (there is no monopoly on these), and use them for the inspiration and good of humanity here and now, instead of using them as a bribe, as the church does to coax the people into serving their mythical gods, dead Jews, etc. Let your church be to humanity what the christian's are to their mythical gods, saviours, holy ghosts, etc.—a church of service, sympathy, friendship, love, etc. In my opinion the christian's so-called "sacred" music belongs to a very important class of musical composition, from the power it has of arousing sentiments and emotions of sublimity, love, sympathy, etc., but not because it is more "sacred" than other classes. But I would not confine church music to that kind of music, exclusively. The people will organize and attend church if only to be entertained, see their friends, etc., and the foes of religious superstition might as well have a church to further the cause of intellectual

freedom, intelligence, etc., as the idolators to advance their many conflicting superstitious dogmas and beliefs. Therefore, stop insisting on the taxation of all church property and start a rival church—that's the essential idea. If the church method is a good one, why not adopt it? It is certainly successful, as the churches themselves and the millions of idolators all around us testify.

Don't you think the Church of Humanity now being organized at Great Bend, Kans., by Bro. Kerr possesses all of the requirements for a powerful rival church? I do, since it is divorced from a belief in all mythical beings, gods, saviours, holy ghosts, etc., and I believe with your assistance its founder would soon organize a grand and powerful rival church movement. Help him to get his church on its feet and raise a fund for his college. Join the church yourself and advise your subscribers to do likewise and that will make it popular. Support it and work for its success just like the Christian editors do theirs, then you will begin to see freethought grow and superstition weaken in the minds of the people.

You should support the Church of Humanity because a large church membership would insure a fertile field for the circulation and support of freethought papers, and the papers themselves be the means of securing more members, and so on *ad infinitum*.

Please do not hold the Church of Humanity responsible for the above, as the ideas, such as they are, are purely personal.

Hoping that you will seriously consider the matter, and not waste too much time about the manner, etc., of my letter, I am,

Yours fraternally,

C. M. DYER.

I am one of the first members of Bro. Kerr's church, and always give it favorable mention and advertise it in HIGHER SCIENCE, altho personally I would prefer some such name as Club, Association, Society, Federation or Party. I realize, however, that we must not be too arbitrary about a name, and would even have joined Bro. Davis's Sunday School in order to forward the teaching of reason, if he had not been eternally jabbing me for speaking the plain truth. In fact, I do not like the church plan of using "soft-soap" to hide methods or the truth. We have a very successful Liberal Club here in Los Angeles, of which I was president for the first two years, where we have the attendance of women and children as well as of men. We do this by making the lectures and entertainments interesting, by giving illustrated and experimental lectures and entertainments, which also instruct as well as amuse. We have time after these lectures for five-minute questions and speeches, and hundreds of times women, children, and illiterate persons become so intensely interested that they take up the allotted time and want more time. Our lectures will compel the most dormant mind to give attention. Altho we have music as a part of our program, I consider it more suited to church work than to intelligent work, as it is a means of hypnotizing the mind away from reason. I admit that no religion can exist and pay without music to hypnotize the reason and stimulate the idealism. If you take music out of the church and put reason in its place, the superstition will

immediately die out, and it will become a school of learning or of exactly the opposite effect desired by the people who prey upon the ignorant supporters. There can be no religion if truth is taught instead of falsehood. I believe the theater is the greatest popular educator of the present age, because it appeals in play, to the reason and intellect of even the most stupid class. True, it requires music to bring them out to hear the educational part. It is possible, however, to make a Liberal Club so entertaining in experiments of science and revelations of the workings of nature, motions of matter and evolution, that even a child will give undivided attention. The four reasons which Mr. Dyer gives will all work to hold and interest people in religion, but they will not all instruct the young or ignorant in becoming interested in science and truth. The object of religious organization is to keep them ignorant of science and nature. The pleasures of association bring them together, and we can use that in our free-thot clubs. The power and influence of numbers we can use also, if we can get them to our meetings by showing them an interesting program; then when we have them present, interest them with truths of science and nature which they never hear at church, and which its promoters are careful to hide and discourage. I have seen young people and even old people, come to our Liberal Club out of curiosity, who become so thoroly interested in truth and science that in a few weeks you could not coax them back into a church without the help of a handsome woman. I will also add that many handsome women, and what is better, intelligent women, are now attending our club meetings and becoming intensely interested and becoming active in its educational work. One of our most interesting lecturers and five-minute commentators is a woman, and there are many of them now. There is no place in the world so dull as a church, if you take out the music and other emotional entertainment, and the church itself understands that so well that they are continually shortening the dry senseless sermons and lengthening the music and social exercises. It has become a common comment that only men who part their hair in the middle can be entertained by a preacher, and the real fact is that he is not entertained by the sermon at all, but by the females whom the preacher and music congregate. It is the simple fact of a congregation, which entertains at a church. How much greater, then, would be the entertainment where useful knowledge and science were taught and new discoveries explained by illustration, moving photographs and experiments. Have you ever noticed how soon a truly intelligent preacher will be expelled from his church organization? And how his congregation will follow him in his new organization? We have dozens of brilliant examples in this glorious new city of the West, and one of them often lectures to the Liberal Club and always joins in celebrating the anniversa-

ries of such grand and good men as Thos. Paine and Robt. G. Ingersoll. Our work of Freethot, Science and Education has a thousand advantages over religion for entertaining and growing in numbers and power for good, if we would only take a genuine humanitarian interest and organize properly to get our friends together and interest them socially. No matter about the name. "What's in a name?" A Jew by any other name would smell as sweet.

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## THE CONNOISSEUR OF HONEYMOONS

*By P. J. CAMPBELL*

It recently occurred that the matrimonial career of one Johann Hock, was disturbed by certain inquisitive persons. It seems that Hock was the collector of the loves of certain Dutch women. He had married about thirty-seven of these German widows, in all, and it appears that he stayed with them while the honeymoon lasted.

Of course, Hock is merely a dirty bigamist, and said to be several other things; but in a way he was wise. He lasted as long as love did. He had probably discovered that from two to six weeks is its duration among his class—and some others.

Not quite conforming with Prof. Charles Eliot Norton's definition of a gentleman, he was not bound to preserve his honor, an appendage about the possession of which he seems to be skeptical. Being thus unrestrained, he left when things became unpleasant.

It is quite likely that Hock had as much to do with the promulgation of this unpleasantness, as any one concerned. The sort of Cupid that manages such affairs has never yet been painted; the artists who know him, won't, and those who do not, can't.

This Cupid is not to blame for this work, any more than the Devil is for his work; he only takes advantage of people and circumstances. There is a good deal of his work around, and most of it lasts six weeks.

A good many things have been ascribed to Cupid, which he never did. The workman's art is ever limited by the material.

Shah Jehan kept his vow to build as a monument to his love "the most beautiful temple in the world." The Taj Mahal stands today without rival. At the same time he promised his dying queen to never marry again, but as a matter of fact he did, seventeen times. Shah Jehan sat on the famous peacock feather throne, valued at thirty million.

Shah Jehan died a long time ago, but we still have plenty of his kind in circulation.

Cupid isn't the only Cherub. There are several, and it's a matter of eyesight, which one you pick.

## UNION OF CHURCH AND STATE

### *Liberal Friends and Fellow Press-Writers:*

Dr. E. E. Sonanstine of Colorado Springs, Colo., a Socialist and Atheist, until recently published in the above city a Free-thought-Socialist paper, called the Pink Iconoclast, in which, with the fearlessness of Monroe, the vehemence of Brann, and the pertinacity of Satan, he mercilessly exposed the fraud and dishonesty of the preachers, politicians, lawyers and doctors. As he was careful of his charges, and only published facts, he was feared and hated by all kinds of grafters, who were never secure while he was at liberty. Traps and schemes of all kinds were laid for him without avail, until January, 1905, a plan presented itself whereby a combination of the above mentioned parasites buried their differences for the time being and joined forces in a holy alliance and concocted and executed a piece of villainy the like of which in this day and country seems incredible.

Editor Sonanstine employed on the Iconoclast, addressing and wrapping papers, a half-breed Mexican girl about twenty years of age. Under promise of marriage, a young man named Rich induced her to elope with him to Kansas City. Her aunt had them arrested and the officer that was sent for them was a personal enemy of Sonanstine. On arrival in Colorado Springs, Rich was released and the girl jailed. While there, as she afterwards confessed, she was threatened with the reform school if she did not state her age as under eighteen and charge Sonanstine with criminal intimacy, and further, that if Sonanstine was implicated, she and her aunt would get his property. One of the ministers in the plot promised her an outfit of clothes. A Catholic priest told her he "had been laying for Sonanstine for years, but had been unable to catch him in anything that would constitute an offense against the law; but now if you will swear this crime on him, we've got him where we want him." The girl held out against these men of God for two days, but jail life with its threats and promises and christian counsellors was more than she could stand, and she signed a warrant for Sonanstine's arrest, and he has never been out of custody since. He was speedily put through the flimsiest farce of a trial and sentenced to five years imprisonment for statutory rape, eighteen years being the age of consent in Colorado. If *guilty*, no freethinker would criticise the sentence. Before the trial (?) the girl sent for Sonanstine's mother, and in the presence of two witnesses said that he was entirely innocent and had never even intimated anything improper toward her (this evidence was not admitted at the "trial"). She further stated that she had been forced to make the charge, and thought it would mean only a fine for him. When informed that it was a penitentiary offense, she publicly stated that before she would appear against him she would leave the state or commit suicide. On hearing that, the schemers had her placed in a home under the care of the ladies of the Baptist church, and she was not allowed to see or speak to anyone else until the trial. Her testimony all through was contradictory, and she repeatedly crossed herself, as her Catholic instructors had early taught her to do when lying.

Sonanstine's lawyers failed to present the evidence that would have cleared him, and offered no protest to the prosecution's program. That they had sold out to the prosecution was the common talk on the street.

A courthouse official who had felt the sting of the Pink Iconoclast, said he would have the "fixing" of the jury, as they were out only ten minutes, he evidently told the truth. The judge was a Catholic and promptly denied a new trial. The defense having taken no exceptions, a new trial could not be forced. The men whom he had paid to defend him, had nailed down the lid of his liberty.

The man was tried, convicted and sentenced before he was arrested, and from the moment of his arrest was given no chance whatever to

defend himself but was railroaded straight through to the penitentiary.

The Doctor has used up all his resources and is too proud to ask for assistance, and as the plan has been so well laid and executed, there is little hope for his release before the full expiration of the sentence, unless it could be carried to the Supreme Court, and without money that is a doubtful proposition.

The object of this letter is to place before the Doctor's friends and the freethought public a brief statement of the facts, trusting it may set some of the apathetic liberals to thinking, who regard the church as powerless to persecute.

Parties wishing to verify the above facts or to investigate further are referred to Dr. Sonansthine's deceased wife's mother, Mrs. L. B. Clark, 111 E. Huerfano St., Colorado Springs, Colo.

The undersigned have investigated this case as best they could from a distance, and are convinced that a damnable christian outrage has been perpetrated upon an innocent man.

CHARLES H. HALL, Courtland, Kans.

WALTER COLLINS, Los Angeles, Cal.

(Liberal and Socialist papers please copy.)

## OUR GRAND OLD ADMIRAL

PHILADELPHIA, PA., May 25, 1905.

Editor of HIGHER SCIENCE:—As the body of Paul Jones has been found and is to be brought to this country to be buried with military honors, which were denied him by our American Minister, Gouverneur Morris, at Paris, additional interest attaches itself to this event because of the friendship existing between Thomas Paine and John Paul Jones.

Paul Jones dictated his will to Gouverneur Morris at 5 p. m., July 18, 1792. His estate amounted to about \$30,000. Morris left immediately. Jones died about 7 p. m. with a copy of Voltaire, which he had been reading, by his side.

Gouverneur Morris did not attend the funeral; but word was sent to the National Assembly. A motion was made to attend the funeral in a body. This was objected to on account of the fact that Jones was a heretic and not a Catholic. A motion was passed appointing a delegation of twelve members to attend his funeral. His body was placed in a leaden coffin bearing his name and titles on a brass plate, and that on the corpe was the sword, while by it lay John Paul Jones' papers and certificates. The expenses for the interment, amounting to about \$88, had been paid by a Commissary of Police to save Jones from being buried in the paupers' field. Think of this neglect to the bravest man in the American navy. Not one word of condemnation for this neglect is to be found in the Life of Gouverneur Morris by Theodore Roosevelt. The funeral discourse was delivered by Monsieur Marron, a Protestant clergyman of Paris.

The recovery of the body is due to the unflinching perseverance of Gen. Porter, who has just received a gold medal from the French government. There is a bill before Congress appropriating \$35,000 to cover the cost of excavations under the houses that have been erected upon the site of the old cemetery. It is proposed to have his body lie in state in Independence Hall.

Yours truly,

JAS. B. ELLIOTT.

## MRS. E. P. FREEMOTT

Mrs. E. P. Freemott, whose portrait is the first of a woman to honor HIGHER SCIENCE as frontispiece, was born at Spencer, Ill., May 7, 1858. At the close of the war she went with her parents to Worth County, Iowa, and was married to George A. Freemott, January 7, 1880, with whom she has lived happily ever since, notwithstanding she is a strong advocate of woman suffrage, and has often delivered radical lectures upon that and other subjects. They moved to Batavia, Ill., where they remained until 1893 when they moved to Albert Lea, Minn. Four years ago they came to Los Angeles for Mrs. Freemott's health, which has greatly improved. They have one son, only child, A. L. Freemott, who is twenty-four years old. Mrs. F. was elected State Organizer of the Minnesota State Equal Suffrage Association in 1897. In "searching the Scriptures diligently" for some evidence of the rights of women she was appalled to find they have no rights in the practice of Christianity, which the clergy keep carefully hidden from the "ewe lambs" of their flocks of mutton-heads. It is needless to say that she, having plenty of brains, became, not only an Infidel, but an Atheist of the most pronounced type. She is a member and this year a vice-president of our beloved Liberal Club, and we have enjoyed two of her rousing and intellectual lectures, which we challenge any champion of our dear Heavenly Father or Blessed Savior to answer fairly.

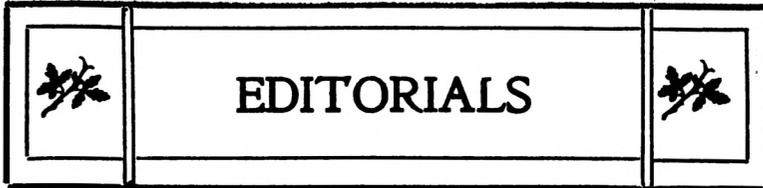
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## TAKE NOTICE

Will our exchanges and others please change the address of HIGHER SCIENCE to corner Amabell and Dayton avenue. We are losing much of our mail, and especially papers and packages. Change the address NOW while you think of it.

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A San Diego grannie whose name we will not mention out of pity for her, perhaps innocent, idiosyncrasy to be a sucker, writes us a mean letter to abuse us for "blasphemy," which word Col. Ingersoll proved to the United States Supreme Court, has no meaning. She says we have no right to quote what God and Jesus Christ say, as if they had written it for a newspaper. She says "it is low and vile blasphemy and should be suppressed." That is the very reason we quote it; to show that they were vile, low curs, liars, thieves, tramps, adulterers, murderers and all-around villains. While this short-haired female abuses us for quoting the vile stuff, she is no doubt working to force the reading of it in the public schools, to our innocent children.



*The Solar System*, roots and powers, by S. C. Gould, Manchester, N. H., is a mathematical proof of the 'Procession of Planets to the sun, tho written before the real discovery.

We are sending out statements to all subscribers and hope they will not give offense, as they are intended to show how you stand on our books. We do hope, however, to get enough cash, so that we can continue comfortably.

*God Never Spoke*, is the name of a neat little booklet by Julius M. Parker, of the National Military Home, Ohio, which proves beyond doubt that what "the Lord spake unto Moses" is all tommy-rot and that he never did speak and never was. It is extra good and gets right down to truth.

*Success* is a book of 200 pages by Prof. L. H. Anderson, of Chicago, and published by the National Ins. of Science. Price \$2.00. This splendid book teaches how to attain success, and that it is not by chance. This is one of the best books we have seen this year. It teaches you to think and then do, with a directed force.

*Justice* is a little 32-page book by L. Emerick, of Melmont, Tenn. It is a treatise on the establishment of justice, by socializing all public utilities, in the interest of the whole people. Price 10 cents. He carefully explains how the labor-check performs the office of money and much other *modus operandi* of the proposed Socialism.

We have received from our old-time friend, Hon. D. O. McCray, of Topeka, a copy of the proceedings of the Kansas Editorial Association for 1905. An editorial association in Kansas without D. O. McCray would be a failure, and this year he delivered an able lecture indorsing the reading of the newspaper (not the Bible) in the public schools.

*Henry Ashton* is a 150-page, cloth-bound book, by R. A. Dogue, of Alameda, Cal. It is a story well told and interesting; of the establishment of Socialistic Government, established on a beautiful and fertile island. To make it more interesting, there is a thrilling love story running thru it. Write to the author for price, etc., and do not miss reading it.

HIGHER SCIENCE is always against Prohibition. It never has and never will prohibit anything, and especially the intemperate use of liquor. The more you prohibit and the more you raise the price of liquor by religious persecution, the more drunkenness there will be. Let liquor be sold at near cost, and the saloon will go at once. No big profit, no saloon.

W. H. Kerr's "Church of Humanity," Great Bend, Kan., has just received a legacy of \$2800 from the estate of Thos. H. Wilson, deceased. We wish it were \$28,000, and that many other good Atheists would remember to leave their wealth to Freethot work, when they can use it no longer. We congratulate the Church of Humanity and its hustling Founder.

*Communism and Conscience*, by Edwin C. Walker, is on our table, and treats of society in general, including crimes and criminals. Of the discovery, "All is good," he says: "All is a big word, if it has but three small letters, and far too big to be used thus lightly. "All" is not "good." \* \* \* Send 25 cents to him and get it, then read it all. 244 W. 143rd street, New York City.

A Miss Hansen was injured by a street-car in Illinois, and pretended to be blind and speechless from the injury and sued the company for \$50,000. She afterwards pretended to be instantly cured by prayer. The judge, who is evidently not to be fooled by such methods, ruled that it must have been pretense and sentenced her to the penitentiary. Later the ignorant Legislature interfered in the interests of God and are trying to have a new trial. It is to be hoped that the able jurist's decision will stand in the interest of humanity and against this old monster who kills millions of innocent babes or cures perjurers as chance happens to work on his jealous and angry disposition.

Prof. W. F. Jamieson, the Atheist lecturer who once spent a year at Elsinore and in Southern California; now of Pentwater, Mich., has lately been swindled by some pious church people and has published an Atheist sermon to them and the rest of humanity, which shows the smallness of their calibre. In his sermon he quotes from HIGHER SCIENCE and also from our Quaker ancestor, Goodman Macy, who being aboard one of his ships and chased by pirates, was forced by the powers above to kill or be killed, contrary to his "other cheek" peace policy. Perceiving a black wretch coming up a rope hand-over-hand and no hope of officers or sailors having leisure to do the job for him, he seized a sharp hatchet and said, "Friend Moor, if thee wants that rope more than we do, thee can have so much of it," and the next moment the said Moor was in the belly (Bible slang) of a shark. Send \$2.50 to Prof. Jamieson for 100 copies, or 5 cents for one.

	<h2 style="margin: 0;">COMMENTS</h2>	
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HIGHER SCIENCE is very proud of the following letter from Dr. J. H. Tilden, of Denver, the able editor of the *Stuffed Club*.

Just time to say that HIGHER SCIENCE is chuck full of logic, hard sense, wisdom and everything that people who think or try to think need. There is no question but that your magazine will win, but, like *A Stuffed Club*, it has the world of superstition against it, hence it is in the minority; but I am satisfied, and you should be. I wish for you much success. If I can get the first two volumes, I should like to have them. Kindly let me know. \* \* \*

Your friend,

J. H. TILDEN.

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Lev. xiv:54: This is the law (remedy) for all manner of plague of leprosy and scall \* \* \* and for a rising (boil) and for a scab and for a bright spot \* \* \* (the law). And he shall take the cedar wood, and the hyssop, and the scarlet and the living bird, and dip them in the blood of the slain bird, and in the running water and sprinkle the house seven times. \* \* \* —God.

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LIVERPOOL, ENGLAND.

Editor HIGHER SCIENCE.—My business in England having been ruined by christians (followers of the Prince of Peace), I am now on my way to the United States to commence life anew. I was doing well here, until my "friends" discovered that I was taking a prominent part in Free-thought, then the back-wash came and it swamped me. I hope to arrive shortly after you receive this, and will be thankful to any Liberal who can offer me employment, no matter in what capacity. Success to your bright little journal. \* \* \*

Yours fraternally,

GLADWIN ING.

We can sell Friend Ing a Cliff-Dwellers' lot for \$1000, on five years' time, at 6 per cent., where he can camp and improve during spare hours, building stone walls, foundations and steps. See description on another page. We are sorry to say there are churches in sight of it, but they are not near, thank fortune.

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A Chicago inventor, George Magrady, has discovered a process of manufacturing a thirty-six candle-power light that will never go out. While experimenting with photographic chemicals four years ago, Magrady's attention was attracted by a glow in a small globe. The glow was caused by a chemical which the inventor keeps secret. Magrady enlarged the glow and perfected the light by placing it in an air-tight glass. He says there is no reason why the light will not remain brilliant forever if it is not broken. \* \* \* —Ex.

The reason why it will not remain brilliant forever, is because light is caused by a motion or force, and the force must be kept up, if in itself, by chemical change or the friction caused by the ingredient, no matter what it may be. As it unites with

other matter by chemical disintegration it changes and it finally disappears as gas.

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I Cor. iv:10: We are fools for Christ's sake. \* \* \* iv:13: \* \* \* We are made as the filth of the world and are the off-scourings of all things, unto this day.—*Saint Paul.*

True, old boy, and even unto this day about 1800 years later. People who treat and hate good women like you did, can never be otherwise.

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In an article on the experiments and improvements of vegetables and fruits by Luther Burbank of this state, Elizabeth Town, of *The Nautilus*, says:

\* \* \* Mr. Burbank has the patience, insight and persistence of God. Shall I also say he uses the intelligence of God?

No, dear, don't say that, please. If Mr. Burbank had no more sense than God had when he made the earth and universe, he would not know round from square. You have already said too much, when you compare their patience and insight. Mr. Burbank never gets jealous of fig leaves, or curses women forever for their modesty, but goes right on at work fixing up what God made wrong.

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NATIONAL INS' OF SCIENCE, CHICAGO, ILL.

Mr. Heald, Editor HIGHER SCIENCE. —

Dear Sir:—Your magazine is being regularly received and will be duly noticed in the next issue of our Magazine Directory. In the meantime we are not neglecting your interests, as we have recommended your magazine to a number of people who will doubtless become subscribers. We are today writing to Mr. Wm. Ashley, of 728 S. Hill St., your city, recommending it, and also ask him to attend the Liberal Club. I am a thorough Freethinker and do all I can to increase the number of Freethinkers in the world. If you have any suggestions to make as to how we can better serve you in increasing the circulation of your magazine, we shall be glad to act upon them. \* \* \* Hoping that we may be of mutual assistance to each other, I am,

Very truly yours,  
L. H. ANDERSON.

Prof. Anderson is the able president of the National Institute, and we have a right to be proud of his friendship.

---

Speaking of the Religious paper *Ram's Horn*, the *Blue Grass Blade* says truly:

\* \* \* I have read some copies of their paper. They are fools and liars. *Ram's Horn* is a most appropriate name for their paper, because it is very crooked, and is a thing to blow and comes off of a head that has but little brains in it, and represents the morality of the ram. \* \* \*

We never know them to tell the truth but once, and that was quoted accidentally and referred to the fact that England prison statistics show an average of one Christian in twenty-three, while there is but one Infidel in 20,000, and the number are about the same, being about 7,000,000 each.

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Luke xxii:36: But now he that hath a purse, let him take it, and likewise his scrip; and he that hath no sword, let him sell his garment and buy one.—*Jesus Christ.*

Judge Parish, of Richmond, Ky., says:

\* \* \* Those advertisements will come in season. \* \* \* I am about to "enlarge" on this idea,—any theory or system advanced, counter to current acceptation, "ahead of the times," has to be demonstrated in terms acadamic (mysteriously) and clothed and colored with all the impressiveness of the schools developing and protecting. E. G., you do not use the terms "heat" and "gravity" in the sense that the theologian does, and as he uses it the world accepts it. Do you grasp the idea? Load up and give us a chain shot of mysterious words. \* \* \*

Of course, the Judge is only poking fun at the unthinking rabble, and in reality, like HIGHER SCIENCE cares nothing for the applause of such people, whose indorsement is valueless. (

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Song of Soloman ii:5: Stay me with flagons (bottles of liquor) and comfort me with apples, for I am sick (tired) of love.

No wonder, when he had hundreds of wives and thousands of concubines.

---

It is not often that we receive more pleasure than from the following letter from S. D. Gunnels, principal of the graded schools of Leeds, Ala. He says:

\* \* \* I have read one copy of HIGHER SCIENCE and I believe you are an earnest Freethinker. Your views correspond with my own. \* \* \*

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Judge E. D. Northup, of Ellicottville, N. Y., sends four new trial subscribers, and says of Socialism:

\* \* \* The Socialists "are going to get there" and pure liquor will be sold at cost. The saloon will go, because it will not pay, and people will not treat each other and get intoxicated. The evolution of society proceeds under imperative laws; we are now passing thru the third and next to the last of the four principal transformations—(1) Feudalism; (2) Commercialism and division of labor; (3) Socialism limited, i. e., the Trusts (for the powerful few); (4) State Socialism—final disciplinary stage. \* \* \*

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In answering a preacher's question, Emil Fredrick says in the *Blue Grass Blade*:

\* \* \* By the law of gravitation the cosmic dust or gas thrown up from the sun and raised far beyond the orbit of Neptune is crystallized at that cold region and returns to the sun in the shape of planets, moons, asteroids, meteors and cosmic dust, which causes the chemical friction necessary for a combination of the elements composing all celestial bodies. \* \* \*

Mr. Fredrick is one of our first subscribers and has not been reading HIGHER SCIENCE to no purpose. It is becoming quite common lately to find writers with correct ideas of the motions of matter.

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Chas. Fing sends new subscribers from Arroyo Grande, and also signed petition of twenty names, for protection to women from the crimes of priests and parsons, and says:

HIGHER SCIENCE is O. K. I hope you will get the 20,000 subscribers. \* \* \*

Aurin F. Hill, architect, of Boston, Mass., who seems to be sprouting some new form of Koreshanity or other religion with the earth out of shape, says:

Water at rest is level. Are you aware that water at rest is level, horizontal on its surface? That water flowing north, south, east or west flows from higher to lower levels? Do you know that civil engineers work to a level datum line; that the curvature of the earth is proved a delusion? With these facts (?) in your mind, your HIGHER SCIENCE is teaching a farce, a humbug. Facts are for you to learn to know.

Mr. Hill may be a very good architect, but he would be a very poor civil engineer. A person standing on the summit of "Old Baldy" in Los Angeles county, California, can plainly see the curvature of the surface of the Pacific Ocean, and if he will travel straight west 24,000 miles he will come to the same place.

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A young preacher who lately left the ministry told the truth when giving his reasons for so doing. He said: "The men of the world do not take any minister seriously. They count him neither man or woman, but put him in a class by himself, half way between a social earthly functionary and a heavenly fakir.—*Dickens Leader* (Ia.)."

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James Holms, of Geneva, Nebr., says, when renewing his subscription:

\* \* \* As for coal formation, I believe it came from out the earth in a liquid form and filled cavities that existed at different ages. There are three layers in Iowa from surface to 900 feet deep and gravel between them. \* \* \*

These Iowa crevices extended under millions of acres, and we are wondering what held them open before the liquid filled in.

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*The Patriarch*, which is the saloon dive organ of Seattle, Wash., came out April 22, with a two-column article of abuse against this magazine, women, education and science. We are sorry that every reader of HIGHER SCIENCE, and every other Freethot paper can not read it. Try and get a copy if you can. He says of women's clubs:

\* \* \* Women's clubs, "race suicides," criminal limit laws, and bearded ineffimates, hate Theodore Roosevelt and his admirers. \* \* \*

He quotes part of Mr. Bashore's letter in HIGHER SCIENCE and abuses him for his intelligence, as he does all others who have brains and intelligence enough to think independent of the priest.

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Isa. xi:7: And the cow and the bear shall feed; their young ones shall lie down together: and the lion shall eat straw like the ox.—*God*.

Rather "fishy" to say the least. Some coarse people would call it a lie.

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D. Webster Groh, of Haggerstown, Mo., sends names who may subscribe, and also says:

\* \* \* Wish I could get you more subscribers, but there are not nearly as many people interested in astronomy, science and philosophy as should be. \* \* \*

It has been shown that the square roots of the distances of the planets are inversely proportional to their velocity of revolution. Hence, the nearer a planet approaches the sun, its velocity is more and more increased. At the distance of one mile, therefore, from the sun, the velocity of the earth's revolution around it would be 19 miles per second, and this multiplied by the square root of 93,890,000 miles ( $19 \times 8638$ ) would be 183,122 miles per second, and which is very nearly up to the estimated velocity of light. —*Roots and Powers.*

According to the last verse of St. John, taking the land only, excluding the sea, and place but three bibles on each foot of land, Jesus would have been obliged to talk fast enough to make more than 4,000,000 bibles for every second of his life. 55,000,000 bibles for every second of his three years teachings, or 132,000,000 bibles for every second of his three years teaching at 10 hours per day, which is impossible, and none but Christians would try to believe such stuff.—*Bible in a nutshell.*

SEND ten cents and stamp to Mrs. Lottie Heston, Carthage, Mo., for a beautiful portrait of the great Freethot cartoonist, Watson Heston. This portrait should be framed and placed upon the wall of every Liberal and Freethinker in the world.

THE CHURCH of Humanity teaches that God, Satan and Holy Ghost are fabulous beings; Heaven and Hell are myths, and Life is extinguished forever at death. Send 10c for a year trial subscription for its organ, *The Christian Educator*. W. H. Kerr, Great Bend, Kan.

CERTAIN *Cancer Cure*. Send no money, but a statement from the publisher of HIGHER SCIENCE, that you have deposited \$25 with him, to be forwarded to me, when the cancer is removed, or returned to you if not; and I will send you, postpaid, my remedy which is painless and has never failed.

Mrs. J. E. Ray, Conifer, Colo., cancer removed in 10 days. Mrs. J. Martin, Green Lake, Seattle, Wash., cancer removed in 10 days. Daughter of S. F. Eaton, Whitman, Mass., cancer of breast removed in 10 days. A cancer measuring 4 inches long and  $3\frac{1}{2}$  inches thick removed from the breast of Mrs. Ettie Miller, Hebronville, Mass., in 12 days. EDWIN T. GORE, Lawrence, Kansas.

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There are large houses all around this place except on the hilly side; and the hills on that side have been bought by a wealthy company and are being subdivided and are for sale to persons who will build residences of no less value than \$5,000. A Scenic Electric R. R. is to be built from the river to the city limits beyond Garvanza, winding in and out along the tops of this range and overlooking the city, Cliff-dwellers Place, Highland Park, Garvanza and all the beauty of the Los Angeles valley with its towns, orchards and railroads, as well as the beautiful Arroyo Seco to Pasadena, and later to the mountains.

For further particulars call on or address the owner, F. H. HEALD, Los Angeles, Cal., or inquire on the premises.

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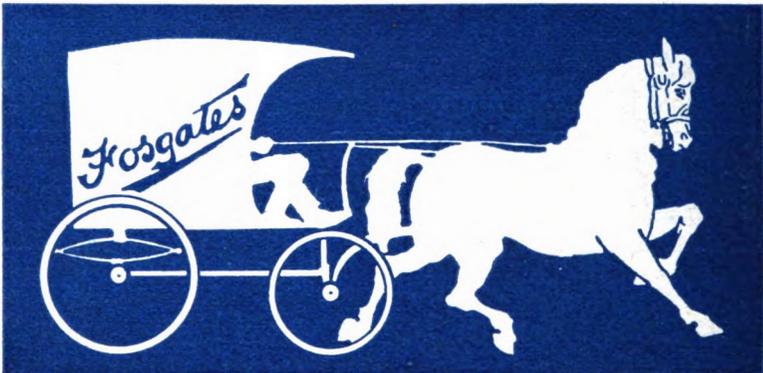
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