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HIGHER SCIENCE



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

SEPTEMBER, 1903

FRANKLIN H. HEALD
EDITOR AND PROPRIETOR
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HIGHER SCIENCE

OF THE MOTION OF MATTER

Vol. III.

LOS ANGELES, CAL.

Nos. 7, 8, 9

THE GATHERING OF A WORLD.

A correspondent has written me that he does not believe the Asteroids are the remnants of a bursted world and there is no reason why they should not have been formed just the little bodies that they are, in the zone of Nebula beyond Neptune (23*), making thousands of little worlds instead of one big one. I cannot agree with him, and wish to show all my students of the Processional theory why it would not be possible. Let me first refer you back to Vol. I. No. 5 (Mar. 1902), pp. 1 to 6, and also more especially to "Inherent Motion," Vol. I. No. 11, pp. 1 to 5 (Sept. 1902), in which the motion of the outgoing atoms of expanded matter are shown to be traveling around the sun from west to east, each one in an orbit of its own; its orbit always increasing in length as it is driven further up from the sun by the continual expansion of gas below. When we consider these motions, we must see that an atom which is one mile nearer the sun than the one a mile further away, would have an orbit two miles less in diameter, therefore six miles shorter, and of course must, at the end of an orbit around the sun, have gained six miles. Each atom towards the sun continually gains on and passes those farther out. Let us point to the planets as an explanation. The earth is much nearer the sun than Mars, and passes him every year (103), as it takes him two of our years to make an orbit. In every one of Jupiter's orbits we pass him 12 times. We pass Saturn 28 times, etc. Now let us suppose ourselves occupying the nucleus of a gathering world 3,000,000,000 miles farther away than Neptune. We

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

have gathered dust enough to make a bunch 1,000 miles in diameter, and have our speed of say 4,000 miles per hour as each atom had at the sun's equator, and are traveling on around the sun at that rate; and that all the dust and bunches on both sides of us have the same speed. We see, then, that all that is between us and the sun is passing us because it is in shorter orbits, and that we are gaining on and passing all that is outside of us. If we are, then, on the largest bunch in the zone, we must attract and add all that is passing near us, and also all that we are catching up with. The more we attract and add to our bulk and weight, the more attraction and the farther out both sides we reach with our unseen fingers of gravity for more, and finally we must pick up all the matter on both sides for millions of miles. There would be no possibility for little worlds to get away from our big one, because they must either pass us or we must pass them within attracting distance, no doubt thousands of times, until sooner or later we must get them. We are continually nearing the sun, however, and gaining speed, and finally get out of the nebulae zone, and another world-nucleus forms. If it were possible for one group of small worlds to form this way, then it would not be possible for one large one to form, which would take them all. The fact that there is but one belt of Asteroids in the whole solar system (outside of those close to the sun), and that they occupy the proper position for a planet (86), is excellent evidence that they are the remnants of a great planet which burst while in a molten condition, and before it had radiated to a second-class size. Another reason to show that they were once a planet is the fact that if it was a planet, it should have had three moons at the present location, and that lately it has been discovered that one of the Asteroids is possibly 2,000 miles in diameter, and two others are much larger than had been supposed. The best reason showing that they have once formed a molten world is that they are spheres, and are dense. If they had formed in the re-

gion beyond Neptune independently of each other, it is not likely that such small bodies (some of them not more than ten miles in diameter) could create by friction of rotation the heat necessary to melt them. If the Procession theory is true, the colorless heat-expanded matter being forced up from the sun, now measured by scientists as the "pressure of light," must carry all the motions of the sun (32), and each atom—whether invisible gas being pushed continually farther away, or whether solid visible matter falling back again—must always be traveling from east to west, as the equator of its great center of heat and motion travels.

On the other hand, let us account for the present scattering of the Asteroids, and why they do not again collect into one body. When the planet exploded, the parts thrown towards the sun greatly increased their speed; while those thrown the other way, or up, lost speed, and also were thrown into larger orbits. There was no center of gravity left for the planet, as it was distributed by the explosion, and therefore the ones nearest the sun soon left the others far behind, and it would be but a few thousand years until they would be scattered in a zone around the entire former orbit of the planet. No doubt many have attracted each other and come together, and that the planets and satellites of Jupiter, Mars and the earth have attracted others. The planets are so much larger that their great attraction acts against their attempt to form another center.

THE BEGINNING.

A friend of HIGHER SCIENCE makes the following suggestion, as a means of adding an additional income to help sustain the magazine:

"If you will allow some scientific discussion in that department, and charge one cent per word, you will be surprised at the number of philosophers amongst your readers, and how many will enter the discussion in order to help the magazine, and I will be one."

He then encloses \$1.00 and a short paragraph as an opening for the said discussion. I believe that per-

haps a discussion as proposed may be the means of interesting many of my students of the new theory, as well as other readers and thinkers, and bringing out many new ideas. There is no doubt in my mind but that the Processional theory will, when rightly applied, finally explain all mystery in nature, but the Editor cannot figure it all out alone. I have only laid the foundation, that all motion is caused by expansion (heat) and contraction (loss of heat, or cooling), and called attention to some of the results. I am perfectly willing to make this arrangement, provided, as Mr. Mote suggests, that I am to have supervision of the discussion, to see that nothing objectionable is printed and that all have fair treatment. The following is therefore the opening:

Editor HIGHER SCIENCE—There is one idea which has caused more perplexity, I think, than any other, viz.: Is not duration the age of places or space, and did not the first part of that age have to be first, before any other subsequent part of its age could be?

Perhaps some of your readers can explain this seemingly intricate proposition. A. N. MOTE.

RADIUM.

In a long article on the wonders of radium *Hurst's American* says:

“The only difference between one substance and another is in the rate of motion in the atom. This motion is inconceivably slow in some substances, but in radium it is so violent that some of the 120,000 ions composing an atom fly off, and the process of disintegration can be seen. Everything in the universe changes its nature in time by the disintegration of its atoms. The theory of the stability of matter is upset by this new one.

“It has upset the fundamental laws of science as hitherto formulated. One of these laws is that of the conservation of energy, according to which there is a fixed amount of energy in the universe, which can neither be increased nor diminished. The fact that radium can melt its own weight of ice in an hour and undergo no diminution or change whatever, seems an absolute contradiction of this law.

“The going off of 7,290,000 particles or emanations per minute seems not to vary its weight.”

There never has been a time when the "stability of matter" has been established in the minds of thinking people. Radium is simply matter, and as it disintegrates causes heat by friction, the same as all other matter as it disintegrates and reunites with other matter. It is a mistake to think that radium undergoes no change whatever when it melts its own weight in ice. Altho it is very slight, yet there is some loss. It is, however, the chemical action of the radium on the atmosphere, or certain elements of it, which causes the comparatively great heat, and these elements furnish most of the energy and therefore sustain an immense loss, while radium is receiving all the credit for doing work without loss.

A FILTHY LITTLE CHRISTIAN LIAR.

A number of subscribers have asked me to be enlightened as to when and where Theodore Roosevelt, our freak cowboy president (by chance), called Thomas Paine a "filthy little atheist." It occurs in a book he wrote and had published in 1888, purporting to be history, called "Gouverneur" Morris. (He could not use plain American language and say governor, and uses whole pages of French to show his ability.) On pp. 288 and 289 he is defending Morris, who was U. S. Minister to France, a friend of the French aristocracy, (and always against the French people), for not liberating the greatest of all American patriots, Thomas Paine, then in the French prison by reason of conspiracy and fraud:

"One man had a narrow escape. This was Thomas Paine, the Englishman, who had at one period rendered such a striking service to the cause of American independence, while the rest of his life had been as ignoble as it was varied. He had been elevated to the Convention, and having sided with the Gironde, was thrown into prison by the Jacobins. He at once asked Morris to demand him as an American citizen, a title to which he of course had no claim. Morris refused to interfere too actively, judging rightly that Paine would be saved by his own insignificance and serve his own interests best by keeping still. So the filthy little atheist had to stay in prison, "where he amused himself with pub-

lishing a pamphlet against Jesus Christ." There are infidels and infidels; Paine belonged to the variety—whereof America possesses at present one or two shining examples—that apparently esteem a bladder of dirty water the proper weapon with which to assail Christianity."

The above villainous and willful misrepresentation scarcely needs a comment. Certainly no Liberal who reads it can ever think of supporting such a person for President of this great nation. All thru this book he shows his Dutch contempt for the greatness of France and French people, and has evidently written the book to defend the cowardly traitor Morris, who, deserting the principles of his own country, which he was sent to represent, worked with the aristocracy and against the people, with whom and in the interests of whom the great and noble American Thomas Paine was giving his time, genius and fortune for the sake of humanity.

"How to Train Children and Parents" is a little booklet of 30 pages by Elizabeth Towne, of Holyoke, Mass., which gives more good advice on the subject than we have read in a long time. Altho our friend Elizabeth does not like HIGHER SCIENCE when it tells the truth about god and the wise men and saints and charity-fed priests and clergy, she is not in accord with Solomon's idea of educating children with rods. There is a big difference, however, in the size of their respective families, and Solomon was compelled to use wholesale and heroic methods in order to get around on time. He used to purchase rods by the cord the first of every month, while one little switch, hanging to a nail by a silk ribbon, simply to point at, is all that Elizabeth Towne needs. Suppose Solomon had have adopted our friend's advice of meditating one hour before whipping each child, each time—why, he would be at it yet. We advise all mothers to read this blessed little book instead of the bible. It is worth its weight in gold, and only costs 25 cents. Train yourselves instead of your children, and they will reflect your goodness, as she truly says.



The Philosophy of Friendship is an interesting little 16-page book by Karl Muskat of this city. It is a study in naturalism and ethics. His ideas of the heat of the sun, waste of the universe, etc., are, however, wrong.

We have been writing twenty personal letters per day to subscribers for several weeks, and have received a great amount of comfort and encouragement, but not much cash. It does seem as if Freethinkers should be able to support one little magazine on the Pacific Coast which is *anti-religio*, when religion supports hundreds of them.

There were two mammoth celebrations of the birth of Robert G. Ingersoll held in this city Aug. 11. Last year there was but one, and next year it is hoped that such an anniversary will be held in every large hall in the city. A minister presided at the meeting held by the Liberal Club in Elks Hall, where an audience of more than 1,000 were gathered and many turned away for lack of room. Even Christians are realizing that this great man purified their religion to some extent.

There are now two kinds of Methodists: one kind is called "Thomas Paine Methodists," who believe as he did, i. e., there is one god, but that he is good; the other kind believe the bible, that there is a hell, and all the terrible and outlandish possibilities of creation, etc. It makes no difference to this class what or how glaring the contradictions are; they must "believe or be d—d." We are promised a great fight over this matter next May, right here in Los Angeles, when the M. E. Conference of the World meets here.

The "Crimes of Preachers," new edition, is not yet out, but we have late word from The Truth-Seeker Co. that it will soon be published. We regret the delay, as we have about fifty orders from subscribers who have waited quite patiently, some of them for five months. There is one consolation, i. e.: when it does come, it will be fully up to date.

J. H. Jack, of Bisbee, Ariz., was an honored guest of the Liberal Club at the Ingersoll anniversary. Mr. Jack is one of the leading men of the greatest mining region of the world, and is a genuine Liberal who believes in telling the whole truth. He has subscribed for 200 of the aforesaid petitions to Congress, in relation to the crimes of preachers, and proposes that a thousand names shall be signed to each.

One Dr. (?) Phol writes a scurrilous letter to the *Blue Grass Blade*, in which he gives a column or two of abuse to HIGHER SCIENCE, amongst others. There are so many better people who like the style of this magazine, and who are honorable enough to pay for it, that we do not feel justified in changing our policy just because an old countryman of Roosevelt's feels hurt about our opinion of filthy little christian prevaricators.

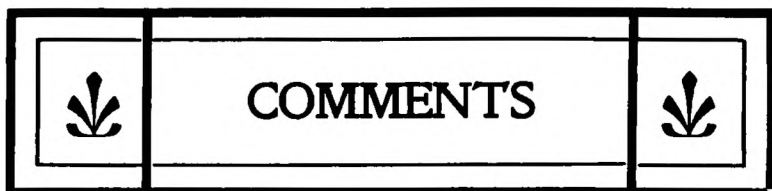
A correspondent says he does not like our way of classifying women with "niggers," etc., and says, "Remember both our mothers were women." In the first place, the word "nigger" never appeared in this magazine; but in order that our readers may not get mixed up in this matter, we wish to make it as plain as possible, without hurting the corn feelings of any of our lady friends, that the mother of HIGHER SCIENCE was not a d—d fool. Her tears were not shed over the dirty feet of a charity-fed pauper. Neither has this magazine classified women with darkies. They do the classifying themselves, and we simply point out the 96 per cent. fact.

We want to call your especial attention to the advertisement of Prof. G. H. A. Schaefer, of Erie, Pa. Prof. Schaefer will be well remembered by our readers as located last winter at 855 W. Ninth Street, in this city, where he had wonderful success in his cures. The exorbitant cost of material and labor here, when compared with the East, compelled him to return East in order to manufacture his wonderful apparatus, which will perform more genuine miracles in a day than all Jesus Christ saviors ever born to be hung.

"The Bible," by John E. Remsburg, is a beautifully bound book of 500 pages, which every person old enough to think should read. It consists of eleven chapters on the Authenticity of the Bible, thirteen on the Credibility of the Bible, ten on the Morality of the Bible, with an appendix of Unanswerable Arguments against the Divine Origin and in favor of the Human Origin of the Bible; twenty-six pages of index, enabling the reader to refer in an instant to any authority quoted or argument used by the author. Send to The Truth-Seeker Co., 28 Lafayette Place, N. Y., for particulars.

We are compelled to combine July, August and September numbers this time, and will advance subscriptions two months. The magazine is so near the point of paying expenses that if fifteen delinquents (more than usual) pay up before the next issue, we can have the regular 32 pages. What a beauty we would make of HIGHER SCIENCE, with 64 pages, fine illustrations, etc., if Liberals and Freethinkers took as much interest in their cause as the superstitious, ignorant and religious take in theirs. Help us with an advertisement; it will pay you, and at the same time help to destroy the greatest of all curses ever imposed upon the human race.

He that hath ears to hear, let him hear; he that hath eyes to see, let him see. (Everybody else who are mental cripples, colored people, etc., follow me).—*Jesus Christ*.



To shock people is often better than to please them; the majority of mankind need the shocking.—*Freedom*.

(Isa. xiii. 16, 17.) Their children also shall be dashed to pieces before their eyes; their houses shall be spoiled, and their wives ravished. Behold I will stir up the Medes against them, etc.—*God*.

John Fay, of Culver, Kans., sends his subscription, and says:

"Your magazine deserves the support of every right-thinking man and woman, as it contains food for the brain to digest on both religious and scientific subjects. The subject, force and matter is a deep study."

Dr. H. W. Hendricks, of Cincinnati, O., says of the magazine:

"I am so thankful for it. It is a work that no atheist should be without. It fills the place that no other publication has before filled. I would rather miss any other than HIGHER SCIENCE. Continue to send the principles of life. I cannot express the pleasure it gives me when one of them arrives."

In a private letter from a well-known Liberal lady writer she remarks: "*The Review* for July is before me. I like the tone of it. I have received numbers of —, to which I make no acknowledgment; always something uncalled for and unseemly."
—*Humanitarian Review*.

There is nothing in HIGHER SCIENCE that will shock the modesty of an honest woman. It is such over-modest and open-mouthed women as the above who are subject to immaculate conception. Whenever you hear a person howling at the truth, you may know that their *corns* have been stepped on. Like Bro. Davis, she has misconstrued the meaning of Liberal.

Oh, threats of hell and hopes of paradise!
 One thing at least is certain—this life flies;
 One thing is certain and the rest is lies;
 The flower that once has blown forever dies.
 —Omar Khayyam.

J. S. Sherman, Lowell, Kans., says :
 "Inclosed find p. o. order for \$1.25 for HIGHER
 SCIENCE one year, commencing with April number, and 'Crimes
 of Preachers.' I do not believe more than half you
 say, but the half I do believe is worth a barrel of money."

It is spiritualism with its phenomena and its philosophy
 which has brought renewed faith in the unseen intelligence into
 the world.—*Philosophical Journal*.

It is not renewed faith we want so much as fact.
 Most religions are founded entirely on renewed faith,
 and their maintenance depends upon keeping facts from
 their supporters, who are more than 90 per cent women.

John Peck, one of the oldest and best Freethot
 writers, says of this magazine :

. . . . "But HIGHER SCIENCE overtops them all. It
 tears the drapery from the old hag of superstition and all her
 hideous deformity. Long may you live and flourish.
 I have never failed to give superstition a black eye when there
 was an opportunity, but the terrific effects of your guns make my
 best efforts seem like squibs. There are lots of rich men in the
 country who should see to it that your magazine is not allowed to
 die out."

A. Johnson, of 414 Lilly Avenue, San Francisco,
 writes a splendid and encouraging letter, which we re-
 gret we cannot publish in full for lack of room. He
 says :

. . . . "The wealthy gentleman who has such faith in
 your magazine is correct. It should be an eye-opener, because it
 is told in plain language, and not in parables, like that of our
 blessed savior. It was some time before I looked into the maga-
 zine; just glanced at a page or two, and saw it dealt with planets
 vibrations, etc.; then sent it to some of my scientific friends. One
 day I happened to open it at last part, and saw I had let an angel
 slip thru my hand unaware. You are all right, but not quite
 strong enough in your language."

For the glory of old orthodoxy I will say there is just as much devil as god, and one is as large as the other; and I will not only meet old orthodoxy's ante on this question, but I will go her one better and say, one is just as good and just as important as the other. . . . —*Stuffed Club*.

The best part of this *Club* is, that it is stuffed with hot shot.

G. B. Hoitt, of Exeter, N. H., one of our subscribers and a thinker, says of the *Procession of Planets* theory:

. . . . "It is the plainest and most common-sense theory of the formation of worlds that I have ever read. . . . I am using every odd moment to study the theory, and it gives me much information and makes many old mysteries very plain. I will endeavor to have a cloth bound copy placed in our public library, when you publish it." . . .

A crowd of fully saved, blood-and-fire salvationists will be a mighty attraction in drawing large audiences to both open-air and inside meetings.—*War Cry*.

Crowd is the proper word, but a genuine fire or fight would draw a much larger and more interested audience. The Salvation Army should give mock battles and crucifixions occasionally and scenes showing how witches, scientists and heretics were tortured to death and burned with green wood, if they want to draw larger crowds.

A leading and brainy lady, a member of the Southern California Woman's Press Club, writing of HIGHER SCIENCE, says:

. . . . "Your article 'God's Big Fight' is worth ten years' subscription. I like your way of telling them the truth. The best argument against error is ridicule and scorn; in fact, there is no other, because reason will not reach ignorance which is guided by villains. I have received samples of the *Religio* —, but do not find much in it except the editor's pet fad, i. e., that he is willing to take a gun and kill his fellow human beings for \$13.00 a month to please the quareling politicians, but is afraid to tell the straight-out truth about 'the paupers who live by the charity of women.' Well, you can't expect." . . .

The scientists are materialists. They teach us that all space is filled with matter, and that if spirits exist they must be composed of a kind of matter. They tell us that light from the sun must reach us through a medium, and that medium they call ether. Mr. F. H. Heald, of Los Angeles, Cal., says the ether is the "gas of expanded matter" radiated from the sun. He has an interesting theory as useful to atheism as it is to science, and I suggest that the *Blade* ask him for an article in explanation of his theory. . . . —*J. C. Steiner in Blue Grass Blade.*

Of all the pulpits from which the human voice is ever sent forth, there is none from which it reaches so far as from the grave. —*Star Chamber Herald.*

The above is "darkey" talk. A human voice never really comes from a grave. The only thing that comes from a grave is the smell of a decomposing body—the gas of expanded matter.

A. B. Hunt, of Eddyville, Ore., says of the *Processional* theory:

"I do not hesitate to say it is the most interesting book of its size I ever read. Your theory is right and will be pretty hard to "down." . . . I like the magazine, and will get you a few new subscribers as soon as they digest the contents of the copies I have loaned. Do not discontinue; it is bound to pay soon." . . .

Thos. Ellis, of Carlisle, Ark., says when sending his subscription for this magazine:

"It is improving every number, and I enjoy it very much. It is a great help to me, and I do not intend to part with it nor be on the delinquent list as long as I can afford it. . . . As soon as I read it I send it to some of the neighbors, and in that way hope to extend your subscription list." . . .

No man with any sense of honor or spark of manhood would take the earnings (aye, last penny) of women or children. Society would shun such a man; but the priest and parson live by doing that very thing, and society bends the knee and takes off its hat to such. —*The People's Press.*

The *Press* is on the right track, and the time is coming when young men will be ashamed to learn this profession of robbing and begging of the poor and ignorant.

No, the strong man is not the soldier on horseback, with saber drawn. The strong man is the man with folded arms, who utters the truth regardless of consequences.—*Demonstrator*.

Men who are well hated and hotly traduced, says a recent writer, are usually of a fine quality. No greater encomium is needed than the abuse of the unthinking majority.—*Naturopath*.

F. L. Buhn, of Tehachapi, says of the magazine:

"When I get a copy of your HIGHER SCIENCE I read every word from beginning to end, 'and don't you forget it.' I am nearly of the same opinion. You seem to have no god at all, but I have. My god is nature, and nature is life and motion." . . .

As a proof of the value of HIGHER SCIENCE for an advertising medium, C. B. Martin, of Blue, Ariz., says:

"Your notice in the magazine was very successful in bringing orders for 'Facts Worth Knowing' and Paine's 'Age of Reason,' but you or your devil made a mistake in using the prefix 'Dr.' to my name. You may have mistaken P. M. for M. D.; at least all my mail has been coming to Dr., and I am only plain 'Mr.'" . . .

Mrs. M. E. Davis (an American lady with brains), one of our leading Liberals, writes from Huston Heights, Tex.:

"I hope you don't feel bad about what Dr. Phol said against HIGHER SCIENCE in the *Blue Grass Blade*. . . . I must confess that I am not far enough educated in filth (as he is) to see anything wrong in HIGHER SCIENCE. . . . If we do not tell the truth, we are liars. . . . Sometimes the truth hurts certain persons, and it takes strong language to fix an idea in their minds."

Here is the kind of a letter that gladdens the heart and strengthens the sinews of war (Quaker war). There is a vast difference in the quality of Liberals:

WHITTIER, CAL., Aug. 24, 1903.

MR. FRANKLIN H. HEALD,

No. 215 Stimson Block, Los Angeles, Cal.

My Dear Sir—I miss the little magazine HIGHER SCIENCE, and I hope it won't sleep long.

I herewith inclose you my check for \$10.00, in payment for extra copies, etc. Yours sincerely, ISAAC COLLINS.

There is no ignorance so invincible to reason as educated ignorance, and that sort of ignorance is the peculiar product of the universities.—*Star Chamber Herald*.

Lewis E. Deuble, president of the City Telephone Co., Miller City, Ohio, writes:

“HIGHER SCIENCE is a jewel of rare value, and your theory strikes my mind as the most reasonable explanation of mysteries I have ever read. It and the *Blue Grass Blade* are the most welcome callers at my office. . . . I would not like to have it discontinued, so please find inclosed check for \$2.00.”

L. H. Willrodt, of Breele, S. Dak., writing for the magazine and list of books, says:

“Of course you must continue to send it. The simplicity of your *Procession of Planets* and the operation of the solar system will clear away the mysterious and banish superstition and pious fraud, and enable any one of ordinary sense and unbiased mind to comprehend the great truth and simplicity of nature.”

David Maherry, of Prairie Grove, Ark., writes a very interesting letter and sends \$2.00 for magazine, saying in part:

“I must thank you or some one for a few sample copies. It suits me exactly, so send it on regular. I am seventy-three years old and can't read well, but I use it and J. D. Shaw's *Searchlight* and the *Blue Grass Blade* for ammunition to fight the curse against humanity. I am about to clean up the whole tanyard here, and your HIGHER SCIENCE medicine will help me complete it.”

Geo. J. Wheeler, Logan, Utah, sends his \$1.00 and says:

“Keep my magazine coming. I can't very well do without it. Some of god's anointed have seen it, and pronounce it the work of the devil; but I told them it was the work of the Editor. They must think you have a pretty smart devil at your office. Everything you say is a benefit to humanity and a damage to its enemies, humbugs and superstition. . . . Thanks to the gentleman who sent me the first copies and to your beloved Liberal Club.”

The church can be depended upon to continue a bulwark of capital and oppression of all kinds. "Servants, obey your masters."—*People's Paper*, Santa Barbara.

Truth was not created when the bible was formulated, nor would it perish were every copy of the bible instantly destroyed. Truth is eternal. It antedates all books, and will equally outlive them.—*Common Sense Advocate*.

The Searchlight is indebted to Mr. Franklin H. Heald, of Los Angeles, Cal., for his book, "The Procession of the Planets," a work of great merit. This seems to be a forerunner to a larger work soon to be issued, and of which more may be said later on.—*Searchlight*.

SEND TEN CENTS to this office for a blank petition asking Congress to pass such law or laws for the protection of women as will compel all ministers of the gospels and priests of all religions practiced in the United States, to be or become unics before entering such profession. If you do not realize the necessity of such a law, read "The Crimes of Preachers," price 25 cents. Every active Freethinker in the United States should send for \$1.00 worth of these blanks, and they should be signed by forty million citizens, male and female, including every honest and consistent minister and priest. One blank, 10 cents; three for 25 cents; seven for 50 cents, or sixteen for \$1.00.

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This magazine represents the interests of the Los Angeles Liberal Club and the Liberals and Freethinkers of the State. More people are Liberals and Freethinkers than belong to all the religions by about 5 to 1. They are in the great majority and are the intelligent classes. When you advertise, these are the people you want to reach and you can reach 20,000 of them next month through HIGHER SCIENCE (provided that as estimated each magazine is read by 10 persons) and from 1000 to 1500 more each month thereafter. Give us an advt. for a year and you get the benefit of the rapidly increasing circulation.

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