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HIGHER SCIENCE



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

DECEMBER, 1906

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

MCCo

ISSUED MONTHLY

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STURGIS.



EUGENE M. McDONALD
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HIGHER SCIENCE

OF THE MOTION OF MATTER

ISSUED MONTHLY
AT COR. AMABELL AND DAYTON AVE.

FRANKLIN H. HEALD
EDITOR AND PROPRIETOR

Entered at the postoffice at Los Angeles as second class mail matter

VOL. VI

LOS ANGELES, CAL., DECEMBER, 1906

NO. 12.

A MOLTEN INSIDE

John H. Phillips, of Syracuse, N. Y., who is a subscriber of HIGHER SCIENCE, and evidently a good thinker also, writes me a long letter, some of which I quote as follows:

* * * In the issue for October '06 I observe under heading "the earth not hollow," your assertion, "In the third place the earth is known to be a molten mass about 40 miles from the surface."

Ordinarily I respect your statements very highly and may continue to do so if you can satisfactorily inform me how it is known that the interior of the earth is a molten mass. I was taught the same in schools and books, except that the teachers and authors differed about the thickness of the crust; some claiming it to be 29 miles and some 45 miles.

I am a natural agnostic and have not found any proof, which leads me to believe that the interior of the earth is a molten mass. Neither do I believe it to be hollow. My reasoning from the known to the unknown leads me to believe the earth to be a solid from surface to center. I am told that potatoes cannot be cooked on the summit of Pike's Peak, because water boils there before it attains 212 deg. of heat, or sufficient heat to cook the potatoes. In deep mines I am told the potatoes can be cooked without the water reaching the boiling point, it having attained a deg. of heat sufficient to cook, before it had reached boiling point. These conditions, if true, prove that the degree of pressure of atmospheres produce the results. Rock or metals under pressure, I am told, require increased heat to fuse, according to amount of pressure. As we descend into the earth I am told the heat increases at about one degree in each 50 feet.

Assuming that the solid crust is 40 miles thick, what must be the condition of the next mile or ten miles beneath? I was once asked in a Physical Geography examination (N. Y. State Regent's) what the specific gravity of the earth is and I did not know but I answered, "about 6 or 8," and the answer was accepted as being as nearly correct as any one could guess at it. If that answer was correct, it means that average matter weighs about 400 lbs. to the cubic foot, and as might be found under pressure, somewhat harder, likly, than flint * * *

First, as to the pressure of the air upon water, I will explain, when water is set over a fire and it gets hot enough so that which is at the bottom of the kettle expands into steam, which is gas of water, and goes up thru the water in the kettle, to escape to the air, it causes the motion of boiling. The more pressure there is on the surface of the water, the higher the temperature must be before it will boil, because the gas at the bottom cannot escape until it exerts force enough to overcome the pressure so it can boil. If we put it in an air-tight vessel, the heat-pressure will have to be great enough to overcome and burst the vessel before it could

boil, which, you see, would require much more heat, and more and more as the thickness of the vessel or strength of the vessel increased.

Of course, Judge Phillips understands all this, but I wish to lead up to the fact that I suppose the same is the case with the molten interior of the earth, if it is molten. The pressure or weight of the outside matter holds it in, the same as the boiler holds water in, which is immensely hotter than the boiling point.

The fact is I may have been over sanguine in saying that the earth is absolutely known to be in a molten condition about forty miles from the surface. Science considers it to be proved, by the fact that immense volumes of liquid molten matter are sometimes squeezed out of volcanoes, which are supposed to be openings where the over-pressure escapes, which the crust of the earth cannot hold as it contracts by cooling. I admit that this might have local causes in some cases; for instance, that it might be caused by the fusion of solid rock by the chemical uniting of water and quicklime, and I formerly held the same infidelity to textbook teaching that Judge Phillips holds now. However, when I discovered the procession of planets and looked up at the big worlds that are falling towards the sun, I changed my mind, for the reason that the apparent facts seemed to bear out the geological conditions known on the earth. We see the four great first class planets and when we take into consideration their density, weight and temperature it becomes very apparent that they are heating as they grind their loose aggregations of matter, until we come to Jupiter, who is such a monster in bulk, low density, and so much heated that we can scarcely believe otherwise than that he is a great ball of heated matter and that when he becomes hot enough, he will melt and will begin to cool on the outside first. When we see the four great first class planets, each one as we near the sun, larger (expanded) and more heated, and then see the four second class planets, each one as we near the sun, more cooled, as evinced by its height of mountains, we can hardly draw any other conclusion than that they must have been molten at one time in order to make such high mountains by cooling. Venus, for example, has mountains five times as high as our very highest mountains on the earth, and it seems to me that there could be no other reason but that it has cooled from a molten condition in order to make these great irregularities on the surface.

Again, when we look at Mars, there is unmistakable evidence that it is very hot within itself. Not only is it of a reddish color, but it has no mountains. The poles of Mars point continually the same as our own, which gives it winter and summer the same, except that each season is twice as long as ours. When, therefore, we see that with a winter a whole year long and with springtime sunshine only one-fifth as great as on our own, the small caps of winter snow disappear in a few weeks, we must conclude that it

is much more heated than the earth. Considering all the evidence, the first class planets heating and the second class planets cooling, together with the evidence we have of the internal heat of our own planet; and the evidence left upon the rocks which show that all which have not been stratified by water are aqueous, leaves but little doubt that they are molten bodies when they change from first to second class planets.

When the great new liquid telescopes are perfected and we can actually see the planets of other suns going thru every phase of heat in their falling journey, it will, indeed, be a subject of great interest.

FIRST DAY OF THE YEAR

Before the next issue of HIGHER SCIENCE, christmas (so-called) will have come and gone and the usual christian mummeries, pow-wows, songs and festivals will have taken place. Christians are taught to believe that the 25th day of December is the birthday of their patron saint or savior (from hell) Jesus Christ, but I have shown you that it is the real beginning of the new year, to all people who live north of the equator, and the new year should commence on that day. It is the day that the earth passes the point in its orbit where the sun begins to shine farther and farther north until the same day in June, when it changes and begins to shine farther south each day. You will remember that I once illustrated it with a cut in April Magazine, 1906, and, perhaps some of you have saved a file and can turn to it. As the earth goes around the sun it always points its north pole towards the polar star, and as the earth does not stand at exactly right angles to the plane of the sun's equator, the sun shines more on the north end of the planet half of the year and more on the south pole the other half. According to the theory or rather the fact of a procession of planets the earth is gradually shortening its orbit, and also increasing its speed so that the time of its orbit is less, and the fact that so-called christmas day, which is the real beginning of the year, comes a week before the measured time, that we reckon from as the beginning of the year, proves that it is shortening its time around the sun. Not one of you will doubt that the new year once began on what is now called christmas day, and at that time a year was seven days longer than it is now. How long ago that time has been we cannot know unless we could find in buried history when men first began to measure and chronicle the time of an orbit. However, the point in the orbit at which the sun begins to shine farther north never changes and is always at the same place no matter how many days it takes the earth to make an orbit. At Mars, for example, this change only occurs once in nearly two years, because its orbit is almost twice as long and it travels much more slowly. However, if there is even so much as plant life on Mars they feel the change and rejoice. Nothing

could be more natural than that all life in nature should be glad and that it should be and is the greatest time of rejoicing in the whole year. As far back as we can look into the dim and misty past, thousands and thousands of years before christianity was invented by the wily priestcraft, the sunworshippers held their great feasts and rejoicings at this time. When christianity was organized, they undertook to do away with this "pagan" day of worship, as they called it, and to establish christmas, or Christ's supposed birthday, several months sooner; but with all their power of war and slavery they could not change it, so that they were finally compelled to steal or adopt the same old pagan day, and claim it as the birthday of their so-called redeemer. The government of the United States, which should be the leading nation of the world, should change the beginning of the new year, to the time when it really begins and see that it is kept there regardless of the fact that it shortens its time in seconds every so many years. If enough of my readers are convinced of this truth, and will agree to obtain signers to a petition to the proper authorities, to have the new year begin when the sun starts north (apparently), as it should begin, I will print and send you suitable petitions.

MAGI, MEDIUMS AND PSYCHICS

The Voice of the Magi, a little Arkansaw monthly, which lives upon the ignorant dupes of that region, by doling out mysterious twaddle, finds fault with me for telling the truth about Dr. Alexander J. McIvor etc. Tyndall's dream of a snake. After dodging the issue, the editor shows that he is not only a hypocrite, but is also an ignorant fool. He says I am a materialist and would rather depend on my own judgment than upon scientific knowledge and my own senses. What he means by this, only the "Magi" (whatever that is) knows. Science knows that all is matter and its motions, and is steadily proving and explaining all this "Magi" psychic mystery more and more every year. The psychic powers or animal instincts, which magi, mediums, adepts, etc., can acquire by retiring to the silence of some cave or hollow tree, is only nature's method, used by animals that have no reason. These magi, etc., must sit half asleep, in a dreamy and idiotic doze for weeks, out of the reach of human society, before they can dethrone their reason and establish this lower order of receiving information direct, by vibrations upon the protoplasm. I defy any magus, adept, medium or other mysterious personage, to do any mental trick or receive any information which cannot be done or had by a cat, pig, pidgeon, bee, pisant or thousands of nature's other lower orders of life. They feel these wireless vibrations and having no reason in the way, can measure them correctly. But they cannot deduct logical reasons, or, in other words, they cannot use human reason, which is as far above psychic powers

and the powers of these so-called magi, as humanity is above magots. As I have said before, I can by self-hypnotism, go into a condition in which I can feel the vibrations from those of whom I was once a part, or of those who were once a part of me, and of the opposite polarity or sex, the same as if I were a pig or a pidgeon or a pisant; but if I should make a practice of it, I would soon have as little reason or intelligence as a "magus," which condition I surely wish to avoid if possible.

In finishing up his remarks, this questionable supportr of animal instincts, produces proof that all is material and its motion, as follows:

Of late scient:sts have discovered that the brain may be operated on to remove certain defects that cause men to be criminals. Perhaps the time may come when the brain may be operated on to remove that fungus, materialism.

Fungus, is the "Magi" idea of materialism, because materialism is the final and last analysis of reason, by people who use reason instead of psychic powers. When a man becomes scientific enuf to use his reason and get out of the old ruts of animal information used by magi, mediums and adepts, his intelligence reaches the realms of materialism. In finishing his scurrilous remarks about me, he says:

He admits his evolution from an animal ancestry, but fails to say what *genus*. But we suppose it was one of his ancestors that spoke to Balaam.

Now, when it comes to a fine point, I would rather be connected by lines of consanguinity with Balaam's Ass than with Balaam himself, inasmuch as the ass showed the superior intelligence of the two, in their famous conversation in the presence of the lord. If this wonderful magus of Arkansaw had witnessed what I once witnessed in my early boyhood, he would not object to my idea that we are descended from animals; in fact that we are advanced animals now. What I once saw was at a lecture of state medical students to which I was admitted by permission and medical influence of my mother, and what I saw was, the first life of what was to be a man, or the shadow of a living man-to-be, magnified 25,000 times and thrown upon a screen before the students.

Perhaps few magi or mediums have ever seen such a display of humanity, or could have the intelligence to believe it possible that this enormous, disgusting and ferocious sea serpent, was actually the coming being which, after devouring eighty of his brothers and sisters, was to finally be the innocent little human baby in its human mother's arms. Some time I am going to get the consent of Anthony Comstock, and the Catholic Postoffice Inquisition, to reproduce a photograph of this terrible human monster and can-

ibal, to use as a frontispiece for HIGHER SCIENCE, with a half-page history. It would, no doubt, be very offensive and obscene, in the eyes of such people, whose private interests demand that we remain in ignorance of the fact, that our first motion of life, begins as a nasty, disgusting and ferocious snake; and they have made and maintain a dangerous, jealous and angry god, who places flaming swords between us and the truth. Magi, priests, parsons and such other useless creatures, receive pay and other valuable perquisites, for helping to keep these dangerous (?) swords in place; but many a less intelligent ass than Balaam's has brayed with more reason than The Voice Of The Magi. If I had a history, such as Webster's or any other good dictionary gives to Magi, I would be very careful to keep it quiet, or else change my name.

REPORT OF THE W. I. S. CLUB.

November Meeting.

Opening exercises, singing—one of our new songs—"Woman's Word the Savior."

Correspondence from locals and others read and reported by the class reviewer.

Mistake of printers in misdating last report was ordered corrected on reports to be sent to locals.

The eighth demand was adopted, with the following clause omitted: "and it shall constitute a states' prison offence for any mother to neglect or refuse to swear to or affirm and record the same."

The Committee on Textbooks reported the edition of Schreiner's Dreams, intended as premium, said by bookman to be out of print. Voted that the committee be continued to further investigate the matter and report prices of other editions.

The Ninth Demand of Femininism was ordered to be considered by locals as follows:

IX. We demand that the Affirmation of Parentage be made by mothers without any reference to or fear of a supreme being, but solely with reference to the power of love, truth and honor as a mutual safeguarding for mother and child from injustice in human society.

Several important matters were discussed at length which it was voted to be placed on our records but not reported to the public.

Meeting closed by singing another of our new songs: "Who's On the Law's Side?"

MRS. ANNA EHRENBERG, Sec. W. I. S. C.

To Priests, Parsons and other Religious Politicians.

I, the undersigned, the discoverer of Nature's perpetual motion, do hereby lay before you, priests and parsons, the following questions for you to decide:

1. Is it a sin or not, to let a perpetual motion run on the lord's day, what ever day that may be?
2. Is it a sin or not, to "tap the wires" of Nature's powerhouse, when God Jove, is looking after his sparrows? See Matt. X. 29.
3. Is it a sin or not, "to hitch a wagon to the stars" on a sabbath day whatever day that may be, while God Jove is resting? See Exo. XX. 10—.
4. You religo politicians! Ye hypocrites! Ye link between man and monkey, church and state. Do you claim to have a moral and lawful right to stop a perpetual motion from running on Sundays, holidays and St. Patrick's days, by smashing it into pieces—the only way any or all of you could stop it, unless some freethinker trained you how to mimic and ape the inventions of man?

I don't ask ye to be honest, when ye decide this or any thing, and, I don't expect it; not so long as ye know (imagine) that transgressions of man are paid for in advance; but simply decide it in any thousand years old way, before patent is paid for by the discovery of the only perpetual motion, that can be started and stopped by will of man on this planet, which planet is, according to christian devilology (mythology) the Siberia of the whole universe.

Respectfully,

O. A.

Please address your answers care of HIGHER SCIENCE...

DAVE'S LETTER TO GOD

E. M. 306.

My Dear Heavenly Father:—

There are several things I want to know, that I can't find out at Sunday school. My sunday school teacher does not like to have me ask too many questions, but my papa says, boys have a right to ask questions and ought to be answered. He answers all of my questions that he can, but he don't know everything and especially about these sunday school angels and devils and says so himself; so I hope you will not get jealous and angry, and kill somebody like you used to, so as to get even with me. I want to know which of your boys are the oldest the devil or Jesus? If there is nothing bad about you, how could you make so bad a devil with horns? How long did you rest before you worked six days? Have you ever worked any since? or are you still resting? Would it be wicked for me to wish I was a God, or that my father was, so that I could always rest after the first six days? Which one of the religions do you intend the bible to teach? I suppose you know that we are Quakers and Papa says, any good word in their direction will appreciated. Are the Devil and Jesus full brothers or only half brothers? Are your own father and mother still living? and where were they from? I wanted to ask some more things about Mary, I mean the Mary that had Jesus in the manger, but papa says that even boys can go too far in asking questions about some things which are not necessary except in contesting the will in a large estate. He says if I will pass it by this time, perhaps you will return the compliment at some future date, when I need friends worse than I do now, so I will close for this time hoping that we will have a better Christmas than we did last year, I remain as ever

Your friend,

DAVE.

Dave will more than likely write a letter to his "heavenly father" every month, which I will reproduce if they are interesting. If he gets any reasonable answers I will most certainly publish them.

EUGENE M. McDONALD

The subject of our Frontispiece this month, Eugene M. McDonald, editor of the New York *Truth Seeker* for many years, is still a young man of about fifty, with the best part of life before him. Mr. McDonald has made the grand old *Truth Seeker* what it is—the leading American freethot journal—and deserves all the honor and credit which he has earned. He was born at Chelsea, Me., in 1855, went to New York in 1873, when he became connected with D. M. Bennett, the founder of the *Truth Seeker*. When Mr. Bennett was persecuted and sent to prison by the vile Comstock conspiracy, Mr. McDonald took charge and in 1892 became sole owner. Mr. and Mrs. Bennett were father and mother to him, and Lucy Colman, the great anti-slavery apostle also “adopted” him, for his sterling qualities of justice, and with three such mothers and such fathers it is little to be wondered at that he is such a radical and formatable foe of superstition and tyranny. He is one of the organizers and now president of the American Secular Union, and we all hope for him a long life of usefulness and happiness and that he will live to see the time when human beings will not be forced into the selfishness that make us business enemies for self-protection.

A LIVE WOMAN

Racine, Wis., ————11. 3. 06

Dear Mr. Heald:—Noting your exceedingly stalwart and correct position with regard to “homes” for “fallen girls,” it occurs to us here during a conversation succeeding a spirited debate on Intemperance to ask you why the women who think, could not make a small volcano in the midst of social vice by starting up “Maternity Homes,” on just the opposite principle from that on which Christianity conducts them. We believe that just as soon as women saw that by taking the poor young mothers, many of which are forced by poverty to accept criminal advances from the wealthy men for whom they work, and giving them a home during their first year of helplessness and thus sparing them from the double crime of child-descretion and false-naming, that the whole bottom would fall out of Christianity, which seems to be based on degradation, of the woman.

I believe that just as soon as women—even in the church—saw the point, and that they had been protecting the villainy (as you show), that they would build little co-operative homes with kitchen, laundry, sewing room and baby room for the girls who would register the names of children as you propose, and then have the prettiest little kindergarten for the babies when the poor young mothers could come and visit them, till the next few years had built up for them some kind of a chance for a home and independence. Please tell us what you think of the possibilities but do not use my name in print. We are atheists and socialists, my sister and I and are brave enough but—well, the bravest of us are only cowards it seems. I served as President of our debating club this fall and perhaps some day you may give my name.—M. H.

There is no doubt but the “bottom would fall out of religion” if women would spend as much that upon the laws of nature, as they now spend upon fighting and backbiting each other for the glory of god and sustaining and teaching their superstition.

	<h2>COMMENTS</h2>	
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In god We Rust.

In San Diego county the Socialist nominee for governor ran ahead of the Democratic nominee.

The broader a man's mind, the fewer people he can please, because there are not so very many broad-minded people.

One prizefighter has more influence with the Los Angeles city, county and board of supervisors than a petition of two hundred ordinary citizens.

There are street lights some places in Los Angeles where the inhabitants are only in prospect, while hundreds of people are suffering for light in other places.

Nature is perpetual motion. If any of you want to laf (laugh), now is the time to do it, before some student of HIGHER SCIENCE finds out how to take advantage of it.

Chicago churches are preparing to introduce billiard and dance halls into their churches. It is hoped to thus keep the young people tied to their superstitions yet a little longer.

All indications point to a tremendous influx of visitors and homeseekers to Los Angeles the coming winter. Already thousands are arriving and vacant houses are becoming very scarce.

If mosquitoes bother you, remember that the only place they can breed is in a cesspool and that a fine wire mesh over the top of the gas escape from the cesspool will save you many a sleepless night.

If it were not for the United States Senate the Isthmus canal would have been built fifty years ago and the business interests of this country ruined. Of what especial use will San Francisco be, if the canal is finished now?

Roosevelt caliber is just the size to please the great mass of ignorant rabble who do the yelling and voting and are responsible for the rottenness of government. A person who will deliberately lie about the character of Thomas Paine, is not worthy of the name of man.

The regular order of the evolution of thinking is: Canibalism, eating of human beings; Christianity, eating of gods; New Thot, eating grass; Spiritualism, misunderstood wireless telegraphy; Agnosticisim, "don't know;" Liberalism, know, but don't care; Atheism, know, and can prove it to people who have brains enough to understand proof; Socialism, know, can prove it and breed brains capable of understanding the proof.

Catholic bullies at the Los Angeles postoffice, who consider divorced women "common prostitutes," had better find out who they are talking to before they promulgate any such religious doctrine, if they do not want to be put out of repair for a couple of weeks or so.

Freelove, like the words religion and Atheism, seem to have a different meaning to each person, according to the size of his or her intelligence. To some it means promiscuity in sex relationships, but to me it means love which cannot be purchased, either by English titles or American money—love free from money values, so that a young lady would be free to marry the young man she loved, instead of the rich old duffer for his money and the position it would give her in society.

It is not possible to reduce intemperance by imposing penalties upon liquor and only makes it the more sought after as a means of showing sociability—the most commendable quality of humanity. If all penalties were taken off and it was sold at cost, saloons would close at once, treating would cease and we would not use one hundredth part as much. It is one of the many curses of christianity and christian women, working into the hands of the great liquor interests do the work of increasing the terrible evil.

We have a sample copy of the Denver Post in which Dr. Alex. Tyndall edits a page of New Thot. While we cannot agree with the Doctor in his "soul" ideas, and have absolute proof that the "psychic power," is animal and far below reason; yet he is doing a great work for humanity by leading away from the criminal orthodox religion, and like our own Benj. Fay Mills, and J. Stitt Wilson, is one of the grand and good men of the world and is fast loosing the old religious whine which we all know so well.

The editor has a present from Mrs. Mary A. Marshall of Redondo, Cal., of a beautiful moonstone watch charm, about the size of a linnet's egg, which she found and had cut and set in honor of HIGHER SCIENCE, to which she has been a subscribr and admirer since it first started. Mrs Marshall is between eighty and ninety years young and one of our grand women Atheists. She finds these beautiful monstones near her little home at Redondo, and sells them cut or rough as visitors want them, and at a very low price. She can send them to any of you by mail if you want a genuine moonstone.

Will some reader and student of HIGHER SCIENCE take electricity direct from heat or nature? It only awaits some one with a little spare time and a few dollars to experiment with. I can give any one who wishes to try, some valuable pointers, but have not time to do it myself.

THE NEW BOOK.

A few orders have come in for illuminated copies of "The Procession of Planets," and, as there may be more I will explain that it will be illuminated by my little Japanese friend, T. Kawara, and he will make at least one picture of Japanese scenery and sign his name in Japanese, on the number page. The price of these will be \$5.00. With carved sole leather binding and illuminated, the price will be \$10.00, and for extra finely illuminated, with extra fancy carved sole leather binding, \$25.00.

One of the readers of HIGHER SCIENCE has discovered the way to take power from the perpetual motion of the sea waves. The trouble heretofore has been to make a machine that was strong enough to stand the immense power, but this simple little device (so simple that it was overlooked until now), protects itself against damage, and keeps right on at work. Millions of them can be set in the water if needed, and there is power enough between San Pedro and Catalina Island to run all the machinery, make all the light, and furnish all the fire and power needed in the world.

There seems to be a revival of temperance talk, high license, etc. Allow HIGHER SCIENCE to say for the 100th time, that the higher the license and the more the penalties placed on liquor the more it will be a social (means of showing sociability) evil. The only possible way to reduce intemperance of the drinking habit is to take all the profit out of the saloon business, so there will be no saloon, therefore no "treating" of friends until all hands are intoxicated. Women who are religious fanatics without reason, will spend their lives working this high license "graft," which ruins their children and makes of them soldiers and prostitutes for aristocracy, capitalists and priestcraft.

An insulting postal card from a half-baked young person in Ventura, after reading some copies of HIGHER SCIENCE, which were charitably given to him; says he has "no use for it;" "no use for any kind of science;" and lives "by my own soul's guidance." Amongst other things he says: "Stand out of my sunlight; I will walk in my own light;" etc. Allow me to kindly suggest to this tender young plant, that if he will trade his "soul" for a spoonful or two of brains, he may then be able to understand and appreciate Science. He would, perhaps, be able to notice the difference, for instance, between sunlight and his "own light," which latter is the kind that accumulates over dismal swamps, the ends of sewers and the birthplace of "blessed saviors." It is the kind of light that comes into the world to "divide the family against itself," and the kind that causes a christian to see things for christ's sake and lie for the glory of god.

The wise Solons of this city have made an ordinance for the protection of the health of its citizens, which provides that every cesspool shall have an escape for gas from the sewer-pipe, below the gas trap, to the highest point of the roof. This leaves an open passageway from the foul water of the cesspool to the green fields of Eden, for anything less than four inches in diameter, and makes of it a breeding place for untold millions of the most ravenous variety of mosquitoes known outside of the state of New Jersey. They gather at the top of this gas escape like a swarm of bees as they come out of the bowels of the earth where they are incubated. Ulysses street is one block long, just outside of the sewer limits and has eleven cesspools; every one of which is provided with one of these special arrangements for hatching and delivering devils incarnate, at the comb of the housetop by the wholesale. Many people have gone back east with the report that mosquitoes breed in the California sage brush, when this evil report could have been prevented if a fine wire screen, or a common fly screen, had been doubled and placed over the top of the pipe. It would have also prevented all the sleepless nights, loss of blood and loss of prospective citizens.

Our old subscriber, C. S. Gove, formerly of Junction City, Kansas, who has now settled at Perris, Cal., to spend his old age in this sunny land, sends his subscription, and says:

* * * Enclosed please find P. O. Order for \$1.00. It is well worth the money many times over * * *

The H. H. Dow cancer cure is the most wonderful discovery in medicine in modern times. I was shown a list of names and addresses last week, of twenty-six cases where they have taken cancer out of the breast without loss of blood and without leaving a scar, and no sign or possibility of a return, as they never fail to do when taken out with a knife. It would well repay you to visit the company's office and see a dead cancer, as this remedy takes it out.

Dr. C. W. Stow, of Salina, Kansas, writes an interesting letter from which the following is clipped:

* * * Glad to learn my old friend Prof. Ira L. Gillford, is there and doing so well. I wish you would send me a copy of your New book the moment it is off the press. Ever since you mentioned publishing it, I have been determined to have a copy. "Higher Sciences" arrives at my office regular and no matter how large my mail, I read it the very first thing—It is absolutely the very best publication that comes to my table, and you may consider me a life subscriber * * * I am the only infidel in our family thru ten generations * * *

Job. VII. 9. As the cloud is consumed and vanished away, so is he that goeth down to the grave and shall come up no more.—God.

Num. XX. 28. What have I done unto thee, that thou hath smitten me these three times. Am not I thine ass, upon which thou hast ridden even since I was thine unto this day- Was I ever want to do unto thee?—Balaam's Ass.

Ackley, Ia., Oct. 22, 1906

F. H. Heald, Dear Sir:—I have a puzzle which I can not solve. I have often noticed that angleworms, frogs, and lizards appear mostly after a heavy shower and especially in summer after a thunder storm. I was suspicious and put a pail on the top of my chicken house, but sure enough after the storm was over I discovered angelworms in the pail, I also find them in the cistern, evetroughs, watertanks and rain barrels, not only worms but frogs, lizards and crabs also. I am inclined to believe that these things can not crawl up into these vessels, but that they must come from above, but cannot understand how they get up there and live. I think the readers of "Higher Science," and will be interested, give us a better light on this subject and oblige.

yours truly,

A. LUTHERMAN.

Let us hear from some of our readers who have had experience in this matter. How do they get there? Does our "dear, heavenly father," whose "ways are past finding out," do it? We may be sure there is no mystery about it.

S. C. Foglesong, of Langcaster, Ohio, writes to send his subscription, saying:

* * * I send money order for \$2.00 to pay what is due to the best little magazine published * * * If you will please, send the next number in care of Freeman Reese Carthage, Mo. I expect to be with him in November * * *

Miss Jesse Crichton, of Columbus, Ga., says:

* * * After considering the matter, I have decided that I prefer one of the more expressive editions of your new book—that is, the one illuminated. We have some young men and nephews in our family and I think it will prove more attractive to them in that garb * * *

This reminds me that I have made arrangements to have what are illuminated done by my little Japanese artist friend, who will sign his name on the title page in his own language, which I doubt if any of you can read.

Lewis E. Deuble, M. D., of Miller City, Ohio, one of HIGHER SCIENCE'S first subscribers, writes:

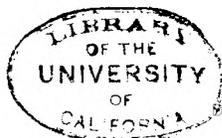
* * * I want your new book as soon as it is ready, will remit for it and two years "Higher Science," as soon as the book arrives, which I hope will be soon as I am in love with it; it is the thot of the day. I would not like to miss a single copy of the magazine. Send me one of the low numbers of the book as I ordered one three or four years ago. Perhaps you have forgotten * * *

Our friend's number was carefully saved, with all the others, and will be one of the first hundred. Many of those who ordered are dead, and if their relatives do not want the book, or any other who ordered, do not want it now, the numbers will be still lower for those who subscribed three years ago.

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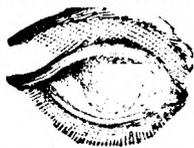
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