

#9-10-11

CITY
LIBRARY

HIGHER SCIENCE



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

SEP.-OCT.-NOV.-1904

FRANKLIN H. HEALD
EDITOR AND PROPRIETOR

1525 W. 10TH ST. LOS ANGELES, CAL.

SINGLE COPIES, TEN CENTS

PER YEAR \$1.00

ISSUED MONTHLY

Digitized by Google

Sent on Approval
TO RESPONSIBLE PEOPLE

Laughlin FOUNTAIN PEN

Guaranteed Finest Grade 14k.
SOLID GOLD PEN

To test the merits of this publication as an advertising medium we offer you choice of

These
Two
Popular
Styles
For
Only **\$1.00**

Postpaid
to any
address

(By registered mail to extra)

Holder is made of the finest quality hard rubber, in four simple parts, fitted with very highest grade, large size 14k. gold pen, any flexibility desired — ink feeding device perfect.

Either style — Richly Gold Mounted for presentation purposes \$1.00 extra.

Grand Special Offer

You may try the pen a week. If you do not find it as represented, fully as fine a value as you can secure for three times the price in any other makes, if not entirely satisfactory in every respect, return it and we will send you \$1.00 forth, the extra 10 cents for your trouble in writing us and to show our confidence in the Laughlin Pen. Not one customer in 500 has asked for their money back.)

Lay this Publication down and write NOW
Safety Pocket Pen Holder sent free of charge with each Pen.

ADDRESS

Laughlin Mfg. Co.

490 Griswold St. Detroit, Mich.



Contains a full, plain, and easy reading treatise on "Health and Disease, with Recipes," all the average reader can profitably learn of personal hygiene and common diseases, including special, separate chapters for men and women; all right up-to-date, and fully illustrated with hundreds of photo-engravings and chromo-lithographs. Contains also the already popular "Plain Home Talk," about the relations of the sexes and social customs in all ages and all countries, with "original and startling" suggestions for social reforms, newly revised, enlarged, and well illustrated. All is "heart to heart," plain home talk from a clear thinking, plain speaking, liberal minded medical author of over forty years' experience. Nearly 1,000,000 of his former books sold. A curious book for curious people, and a sensible book for everyone. Answers 1001 delicate questions one would like to ask his regular physician and yet doesn't want to.

1248 pages, 4001 illustrations (50 in colors), 250 recipes. Price, clothbound \$2, mailed.

 240 SAME PAGES, including two full chapters, in handsome "Flashlight" cover, mailed for 6 cents postage.

Tocology for Mothers

330 pages, illustrated, cloth bound, by mail \$1.

American reprint of "The Wife and Mother Medical Guide," an up-to-date English work, with added illustrations in the text, and twelve artistic and appropriate full page half-tone engravings. The latest and best book for popular instruction on child-bearing and child-caring. Edited for this country by Dr. E. B. Foote, Jr.

MURRAY HILL PUB. CO., 129 E. 28th St., New York.

**CERTAIN
CURE
FOR
ANCER!**

**SEND
ME NO
MONEY**

But a statement from the publisher of "HIGHER SCIENCE," that you have deposited with him the sum of \$25.00 to be forwarded to me when the Cancer is removed, or returned to you if it is not, and I will send you, postpaid, my formula, which is painless and has NEVER failed Edward E. Gore, Lawrence, Kan





WILLIAM PLOTS

HIGHER SCIENCE

OF THE MOTION OF MATTER

Issued Monthly
at Ivanhoe Station

Entered at the Postoffice
at Los Angeles as Second Class Matter
FRANKLIN H. HEALD, Editor and Proprietor

Vol. IV.

LOS ANGELES, CAL.

No. 9, 10, 11

STRANGE GAS.

Popular Astronomy for April, contains an article by Prof. Young of Princeton University, confirming his opinions of the constitution of the Sun, which is the most curious of any I have ever seen from a prominent astronomer. He says:

"It seems to me practically certain, as a consequence of the low mean density of the Sun and the enormous force of solar gravity, that in the central portions of the body, and in fact, in all but a comparatively thin shell on the outside, the constituent substances must be in the purely gaseous state on account of the exceedingly high temperature, far above the critical points of any known vapors. But whether all the chemical elements are necessarily in a state of "dissociation," as formerly supposed, is perhaps now doubtful in view of the discovery of compounds (certain carbides, for instance) which are freely formed at the highest temperatures of the electric furnace.

"Under the enormous pressure the internal gases are considerably denser than water, and probably so viscous that perhaps it may not be impossible for the nucleus to behave to a certain extent like a pitchy semi-solid globe in permitting peculiar conditions to become for a time 'localized,' so to speak, at special points; as seems to be suggested by the observed tendency of solar spots and other disturbances to recur at the same points on the surface. * * * * *

"As to the streamers, which seem to shine partly by reflected sunlight and partly by pure incandescence, it appears from their spectrum that they are not gaseous, but composed of minute particles driven off from the Sun by some repulsive force,—possibly electrical, or perhaps by the repulsive force of radiation so recently verified in our laboratories. * * * * *

The investigations of the past twenty-five years appear to have determined the effective temperature of the Sun as not far from 6000 degrees C, but the 'solar-constant' itself seems to be much more uncertain. * * * * *

There could certainly be no reason why the center of the Sun should be hotter than molten or red-hot matter and therefore of considerable density. There is nothing to heat and expand it into gas, except to a certain depth from the surface into which, returning solid matter is always falling and making

this enormous heat, not only by the collision of its fall, which Prof. Tyndall estimated would alone cause the great heat, but also by the chemical action of fluxing or reuniting of its separate elements. This reuniting of separated elements of matter, is the way we create or combine to produce fire. Of course we can produce heat by any form of force but, I am only speaking of our ordinary fires and lights on earth. As these returning elements of falling matter only reach the solid surface of the Sun there is nothing to heat it to this high degree deeper than they fall. In other words, it is only the outside, or surface of the Sun which can develop this enormous temperature from falling matter, if the Procession theory is correct, because it can only reach a certain depth before it is again dissolved into gas of about 11,000 times its size when solid, virtually amounting to an explosion which tears the great black holes in the Sun, that we see when magnets and needles record the extra amount of gas developed, which is in fact, force, heat, light, electricity, etc. It is simply that much more vibration or force enacted at the surface of the sun in two ways; first, as force, heat, light, etc., as a motion only; and second, as a gas, radiated by expansion, because it is increased in size and must have 11,000 times more room and must push the gas above it still farther up to make room for itself. What could radiation be but a repulsive force, when its only cause is expansion. Do not confound the actual expansion of matter, with the motion or jar which one atom imparts to another at the rate of 183,000 miles per second. He should not say "possibly by electricity" for the reason that electricity is but an impulse motion like the motion which one bullet imparts to another in the gun-barrel filled with bullets, while the motion of radiation is the same as the bullet at the breach which is pushed in. The bullet pushed in at the breech moves but one-fourth of an inch. It is actual substance, but the motion it imparts to the next bullet and on to all the others in the gun-barrel, is but a motion or vibration or jar, which according to its speed produces these motions, light, electricity, heat, etc. As soon as scientists can comprehend the difference between these two motions (one real or local, and the other transmitted), they will soon indorse the Procession of Planets.

ELECTRICITY

In his electricity theory of the universe. H. R. Rogers says:
"In the forces, light, and heat, what immensity of power is represented! Strangely enough we have ever imagined these forces to be the

unaided work of the sun, as though that luminary could be capable of sending forth in undiminished exuberance, such marvels of force, during all the ages, and remain itself unexhausted!

"But how speaks the law of conservation, that law most enduring, and most inexorable? According to the decrees of that law, whatever is received by the earth from the sun, an equivalent for the same must again be returned from the earth to the sun, to the uttermost fraction. Such being the conditions, how may this retro-acting process that all analogy and the profoundest scientific axiom prove to be in constant operation—how, I ask, may this retro-acting process be explained? What equivalent may the earth give back as compensation for such enormous benefits, for such stupendous powers? The laws of conservation may not be violated: *the earth will respond.* * * * *

No, the earth will not respond in the way he would expect to see it; with a notice tacked on the pole explaining the process, but HIGHER SCIENCE will call his attention to the fact that the earth will respond with all her great bulk of material, when her turn comes around and she has narrowed her orbit, until she is only a few millions of miles away and has increased her speed by falling, until centrifugal force is so great, pulling her particles away from the sun and gravity so strongly pulling towards the sun, that she will go to pieces. Thereafter, during the period of ages she will have donated the same material, which returns the same heat, or force which were given by the sun, when the gas which made the earth was radiated at the sun's surface. Remember, gas, tho it is material, cannot be seen as it passes us on its way to the orbit beyond Neptune, where it cools into crystals (which we can see), but we can measure its flow as Prof. Lebedew has done. He calls it the pressure of light, not realizing that it is actually material, being forced up from the sun by more gas below continually requiring room. We know that when the sun or any other heat expands water into gas, it raises from the earth, soars away into the vast heights, but we cannot see it. We can only weigh it and cannot see it until it is cooled enough to become vapor, rain, snow or hail.

Friend Rogers mixes matter and the motions of matter in his head, until his question becomes ridiculous, when he asks how the earth can give back the sun's great benefits, which are simply motions. The earth gives back itself finally and from the collision of its fall into the sun and its matter chemically uniting with the enormously heated particles of the sun, it makes these motions by expansion (see Nov. HIGHER SCIENCE, 1901). The Procession of Planets theory simply and easily explains how the sun is aided all these millions (and billions) of years and itself remains unexhausted. Light, heat, electricity, and any force are only motions and are only different

speeds of vibration. From either we may make either one of the others. We do so now, with but one exception, changing heat directly into electricity, but that is only awaiting some new Edison, and when it is done, it will again revolutionize human methods. There can be no electricity within millions of miles from the sun, for the simple reason that it is too hot, viz., the vibrations are too rapid. In order to make electricity from heat it will be necessary to cool it or, in other words, reduce its vibration. We can make a very hot fire from electricity, but to do so it is necessary to increase its speed of vibration by resistance. Will some young genius please take this hint and make electricity directly from the motion or force of sunlight. The editor has but a short time left to live and do things and cannot stop to make experiments which might require a long lifetime. But it will be done in the way we have pointed out. When you do it, please mention HIGHER SCIENCE.

NURSERY RHYMES.

The Bible tells of a child that was bred
 By a Virgin and ghost long ago.
 But I never could get it into my head,
 Notwithstanding all that the angel said ,
 That night in a dream to Joe.

You remember the story of Joseph's dream,
 When the angel appeared from above
 And told him Mary had not acted mean—
 It was only a ghost holy that she had seen—
 It came in the form of a dove.

—*St. Luke III-22d.*

Perhaps these will do for Miss Blivin's Sunday School class.

A. JOHNSON.

San Francisco, August 8th.

WILLIAM PLOTTS.

Mr. William Plotts, the subject of this sketch, whose portrait is our frontispiece this month, is a member of the Los Angeles Liberal Club, and the discoverer of the origin of petroleum, coal, etc. He was born in Pennsylvania in 1856. His father, who is still hearty at 83, has been an orthodox minister most of his active life. His mother died when he was very young, and being of a very independent disposition, he did

not spend much time under the parental roof after he was half grown, especially as the elder Plotts had numerous other children and married again. Young William was successively a farmer's boy, printer's "devil," worked in coal mines, and spent some years as a sailor, but eventually returned to his old home and engaged in the occupation of tool dresser and driller on oil wells.

After the '70's he was mostly a small contractor and driller of oil wells, and occasionally carried an eighth or quarter interest in some new venture in wildcat territory, which always proved failures in the East.

In 1897 he "struck" California, with but a few hundred dollars, and a car-load of well worn oil well machinery, but with a full complement of determination to succeed, and ability for hard work. Here his knowledge of oil well drilling stood him in good stead, and he has been one of the most successful oil operators in this greatest of oil producing states.

Mr. Plotts has invented many useful tools and appliances in use in the oil business, and holds patents on at least half a dozen of them. Many years ago he began to speculate on the probable Origin of Petroleum and soon saw that the product was closely associated with coal, etc.

A certain kind of iron ore also occurs in connection with the carbonaceous products, the significance of which has not yet been determined.

In the course of his investigations he made the discovery that in all the oil fields with which he was acquainted the petroleum occurred in an orderly zone, or horizon, which was more or less out of conformity (that is out of parallel) with the strata: that it did not occur outside of those zones, and that one factor of its presence was the occurrence of some kind of porous strata, such as sand, sand rock, pitted or honey-combed limestone, or pebble rock, in those zones; and as the occurrence of such porous strata might be considered accidental and is exceedingly irregular and capricious in its occurrence, it is not so very remarkable that the discovery was not made before, tho the whole theory seems very simple now.

Mr. Plotts also observed that fresh, lively oil sometimes occurred in the pits or blow holes in the hardest kind of limestone float on the surface, where it had evidently weathered for ages without affecting the freshness of the oil; whereas, Petroleum in strata has generally deteriorated or even sometimes entirely disappear where the surface has been eroded to within a few hundred or even a thousand feet of it.

Such conditions pointed out to the investigator that the oil must have gotten into the strata in a highly heated and volatile condition, for it could not get out of the dolomitic limestone or be affected in any way in its present condition by ages of weathering; and whereas compounds of carbon, it is readily conceivable, can penetrate and permeate any strata, when at several hundred degrees temperature, and many thousands of pounds pressure to the inch.

All deep well drillers are acquainted with the fact that the earth's temperature increases downward at the rate of one degree for every 40 or 50 feet, and after Mr. Potts made many observations of the superincumbent strata above the petroleum zones, he came to the conclusion that in every petroleum region there had at one time been enough material above the oil zone to cause the heat to volatilize, or distill the carbonaceous matter (mostly leaves and other vegetable remains) that all strata contain when deposited on the ocean floor, in perhaps many thousands of feet of strata; and the resulting matter, variously affected by the surrounding conditions, would maintain its relative distance to the surface, as the constantly reinforced strata subsided "skimmed" of its carbonaceous matter now turned to petroleum, etc., which accumulated in quantity, according to the amount of the subsidence that occurred, and the richness of the strata in said matter.

Now, most parts of the dry earth show evidences of former subsidence and subsequent emergence, and in some cases at least the erosion must have amounted to many miles vertically, and there can be no difficulty in accepting such a conclusion and as it is hardly conceivable that a considerable region would subside exactly vertical in all its parts, the zones containing the carbonaceous matter, etc., would necessarily be more or less out of conformity with the strata with which it would blend, and the fact that those products are so found, Mr. Potts claims, is in itself, almost absolute proof that his conclusions are correct. But this is not all. Mr. Potts gives many other reasons, such as the color of vegetable matter found in strata, the shade of brown or black which it was charred, being well preserved in samples taken from deep wells.

He also observed that in oil fields containing light oils of the higher grades, coal occurs above the oil, usually 1500 to 2000 feet, providing, of course, there is enough strata remaining above the oil to make the test, and that the coal always occurs in a zone in conformity with, or parallel with the oil, regardless of the non-conformity of the latter to the strata

with which it is blended. The iron ore mentioned occurs just above, or below, the coal. However, in most cases the iron ore is represented by yellow streaks, it evidently having oxidized during the erosion of its covering.

As before mentioned, the petroleum is exceedingly capricious in its occurrence in its zone, owing to the absence or irregularity of suitable porous strata in which only it can occur, and as in all oil fields that Mr. Plotts is acquainted with the zone of general occurrence is out of conformity with the strata, the oil occupied each successive strata, as the latter came in line of its general occurrence; and altho the different strata in which oil occurs are often identified above or below the zone of oil occurrence and seem to retain their porosity, they are barren of oil at such points, and where they outcrop contain no stain or other evidence that they ever contained petroleum, outside of the orderly zone of petroleum occurrence. He claims that the bulk of petroleum is always confined to a scope of 300 or 400 feet, altho traces may occur in a much wider zone.

The scope of coal is much less as there seems to be always an abundance of strata that was suitable for the latter to blend with.

The ore has the widest scope of all as far as Mr. Potts's attention was given to it. It also is blended with porous strata that seemed to happen to be in line of its general occurrence and was suitable for its occupancy.

The non-conformity of those products to the strata varies greatly, all three occur in a broad irregular band across the State of Pennsylvania.

From north to south the dip of the strata is about 6000 feet across the state. But as the dip of the oil, coal, etc., is nearly 2500 feet the non-conformity of those products to the strata is only 3500 feet in all that distance. Mr. Plotts notes, however, that in one section of California there is that much non-conformity in about two miles, which makes the petroleum out of line of the strata 22 degrees.

Mr. Plotts's first article on "Origin of Petroleum, Coal and Other Carbonaceous Products" appeared in HIGHER SCIENCE in 1902. Since then he has contributed several articles to the "Whittier (Cal.) News," of which the "Orderly non-conformity of carbonaceous products to the strata in which they occur," attracted the most attention, especially by those who were acquainted with the regions of which he treated; no competent man acquainted with the region having attempted to re-

fute his assertions.

Mr. Plotts does not touch tobacco or liquors, and never was addicted to their use. He never received an education in the popular definition of that word, but when a small boy, went to the Crossroads School, which was only in session during the three months' winter term, as was customary in those days, often walking two miles to school

Mr. Plotts, having observed that all people are more or less good or bad, has little patience with those who would divide mankind into either saints or sinners; and must have been entirely devoid of the faculty of veneration, for he never could see anything but the ridiculous in religion, has no use for gods, spooks, and such undemonstrable entities, and thinks that our government is already too socialistic, paternalistic and bureaucratic, and that the ease with which the bulk of our people can make a living at present constitutes our greatest social menace for the future, and is the cause of the increasing relative poverty and degradation of the masses.

IN EXPLANATION.

Ten weeks ago I fell and threw one of my ankles out of joint and was entirely helpless for six weeks and partially so yet. It is for this reason that August number was delayed and September, October and November numbers come as one. Your time will, however, be continued two numbers longer. Will those who owe me please send check and oblige, as I cannot call upon you, and need the money badly. I would be glad to furnish the Free Thinkers and Liberals a magazine and advertisements free, but just at the present time I cannot afford to.

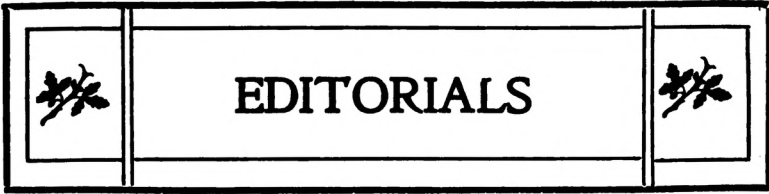
The Republican nominee for Vice-President says:

We are inspired with one high purpose, and that is, under divine guidance, to promote peace and good order, virtue and knowledge, justice, etc.

No one higher than the running mate of a "nigger"-loving cowboy would be able to find virtue, knowledge or justice in the heinous, jealous and angry Jew god, who ruined Joseph's wife and home but imagined the world was flat after he had worked a whole week to make it. It is too late, old boy, to use religious sop to catch votes. Women do not vote yet.

Fred H. Smith, of Fairbanks, Tex., who was the first person to receive the premium souvenir tray, writes:

* * * * It is a very pretty premium and made the trip safely. In fact, each number of HIGHER SCIENCE is a very good premium. * * *



The Religio-Humanitarian Review has mustered a few old grannies and started a Sunday School. This is no more than we have been expecting. Why not have a church also, that is rancid "but not rabid."

An objector to an objection is the commonest kind of a sucker. If someone did not object, the earth would still be flat and god almighty would still be stopping the sun so that the Japs would have more time to massacre the truly Catholic.

We have received long, interesting, complimentary and scientific letters from Mr. Geo. Wright, O. D. Jones, Watson Heston, Mrs. Lee Garcelon, Wm. W. Martin, M. A. Brigham and scores of others, which we hope to publish when we can get enough funds together to add a few more pages.

We congratulate our staunch liberal friend, Capt. C. C. De Rudio, of this city, a retired officer of the U. S. Army, who has just received the honor and increased pay of promotion to the office of major. Our friend, Major De Rudio, altho he is always ready, is not anxious to fight, when it is not necessary.

J. B. Barnes of Pittsfield, Me., sends us his pamphlet, *Why Do Men Die*. He believes the cause is to be found in sexual intercourse and cites Adam, Eve and all the old saints. He talks about Jesus Christ considerably, but not in that connection, no doubt forgetting that Solomon lived a considerably longer life of the two.

Thousands of life-long Republicans will vote against Roosevelt on account of his shyster canine religious methods of using bladders of dirty water (See Gouvener Morris, page 288) to attack the Revolutionary Patriots of 1776. No man can read his books (?) and vote for him, unless said voter is in favor of an aristocracy and god.

The Progressive Christian is a new Freethot paper published by Jas. E. Mizzles, editor of the *Arkansas Traveler* at Newhope, Arkansas. It is a bright little paper, but we dislike the

name and do not believe a christian can be progressive. True christianity, is "believe or be damned," mysogomy, disrupting the home for Christ's sake, and lying for the glory of god.

Until further notice we will send to each new subscriber a beautiful present, consisting of a souvenir tray, made of metal, with California scenery. Every old subscriber who pays up or renews or pays in advance in the meantime will also receive one. You will think when you receive this tray that it must cost as much as the magazine, but we buy them by the hundreds and get them at a reasonable price.

Our criticism of R. Bevington Webber's book, *Anthropography*, in July number, was incorrect, and we wish to apologize to that excellent and able lady. Her discovery is, that we are from tribes of Israel, which existed ages before the Jews were evolved from Africa thru the slavery of Egypt and that they are only mixed into a comparatively few of these tribes. We advise our readers to get the book and read it. (See Advt.)

Sunday night, October 9th, T. W. Williams lectured at the Liberal Club on the subject of the Bible in the schools. In the five-minute criticisms following, County Superintendent said that he would favor keeping a copy of the bible in the library for reference, but that he would not want a Jew or Catholic teacher to give and teach their ideas of it to his child and that it should not be forced into the public schools. Then the preachers and school marms sneaked home.

The Boston Investigator, founded by Abner Kneeland in 1831, has been consolidated with *The New York Truth Seeker*, founded by D. M. Bennett in 1874. The *Investigator* was the oldest Free Thought or Liberal newspaper in the world, and died from the lack of support. It was located in the wrong town and too near Salem headquarters. Let us hope that HIGHER SCIENCE will have better luck than the well known fate of the lousy calf, who lived all winter to die in the spring.

The last remnant of Cannibalism left in civilization is the ogre of eating the body and drinking the blood of Jesus Christ in church (read S. John, vi, 53). This immoral teaching and practice should be prohibited by law and the criminals punished. HIGHER SCIENCE is ready to help do the work of petitioning Congress to stop such immorality, which is far worse than polygamy, drunkenness or prostitution. The bible is

full of examples of the sweetest-scented saints openly practicing these crimes, while very few dared eat human flesh and blood.

Heat is life and lack of heat is death. When there is heat enough to expand matter into gas, its atoms are spheres, but when the heat has left it and it is crystallized, its atoms are bounded by straight lines, usually parallel. Now we know Hell is the hot place after death, and of course is round. We know that heaven is square as John measured it and any preacher who has faith will tell us and prove it by his faith; therefore, there is but one conclusion for us to arrive at, viz:—Hell is life and heaven is death. The live people (like Paine, Franklin, Jefferson, Lincoln, Ingersoll and all others who had brains enough to live without the charity handouts of women) are in Hell and all the dead people, deadheads and dead-beats are in heaven.

Col. Ingersoll delivers an address to his earthly friends, in the *Philosophical Jol*, of August 13th, thru the medium of Mrs. Clara Myers. He speaks encouragingly of the climate and scenery "over there," and pretends to be satisfied, but we cannot but notice how the climate has ruined his former eloquence and good judgment. We sincerely hope this report is a genuine fake.

Miss Dorothy Pound, an accomplished and unusually bright young lady of this city, has just made her first appearance upon the stage at San Francisco. She has been a friend and disciple of HIGHER SCIENCE since childhood and we predict that she will bring added honors to the Angel City.

H. Coomer, of Apache, Okla., says in part, when subscribing for the magazine:

* * * * It hits the right spot, for I am an Atherst from Alphi to Omega. * * * * I never could believe in a big, mythical god, sitting on a big white throne forever. He is the consoler of ignorance and ignorance is the enemy of science. * * * *

T. S. Beebe, of Brooklyn, N. Y., writing to send his annual subscription, says in part:

* * * * The Processional Theory, though it may be unpopular now, has the ground and is here to stay. The old theories, like religion, will die slowly, but must yield in the end to simple facts and common sense. * * * * Hope to write some in support of the theory but can't get to it at present. * * * *

Kyoto Imperial Univ. Library, Kyoto, Japan, July 6, 1904.

Franklin H. Heald, Los Angeles, Cal.—This library acknowledges with thanks, the receipt of HIGHER SCIENCE of the motion of matter, Vol. 4, No. 5. Will you kindly continue to send the magazine to this library, and oblige,

T. SASAKA, Librarian.

These intelligent little "heathens" (?) evidently know a good thing when they see it. If all the vast hords of ignorant christians on earth were only half as smart as these little people life would be worth living.

In a long article, "The Antiquity of New Thot," in July *Mind*, Henry Frank concludes with the following well known law of motion of matter, as propounded by HIGHER SCIENCE and the theory of a Procession of Planets:

* * * * * With this interpretation, then, the New Thought is stripped of mystery, mystification, or metaphysics. It is merely the apprehension and application of a law in Nature. Thought is a dynamic principle, a force, as is motion, heat, light, electricity, gravitation, or any other natural power.

This force may be used intelligently as any other, and with direct and immediate results. It may be utilized in the curing of disease, the rearing or restoration of character, the achievement of success, the prolongation of life, the deferment of death.

The 5th annual session of The Mental Science College at Seattle under Prof. Knox held their graduating exercises in Christenson's Hall on Sunday, August 21. Several essays were read, all tending to prove that man has no power outside himself; he is the evolver of his own destiny. The ruler of all things negative to him and by learning to know himself has power to remodel the world and continue here forever. Man needs no Savior to bleed and die for him for he can live for himself. No orthodox God to make or judge him, he is his own maker and master, having evolved himself.—*Hattie B. Barlow, Class Reporter.*

Mr. Ross Martin, of Fairmount, W. Va., says:

* * * * * Your *Procession of Planets* received and I thank you for sending me the larger pamphlet as I am very much interested in your theories. The nicest part of them is, they clear away the difficult problems and mysteries that have been the troubling questions of the long past. It is all very reasonable. I feel that I would like to read more about the theory. Kindly let me know what else you have written. * * * *

The contest for Hall of Fame honors, which "*The Evening Telegraph*" has conducted daily for several weeks past, has attained its object, and announces that Thomas Paine is undoubtedly the choice of a majority of Philadelphians for the niche provided for this county in the new State Capitol. In closing the contest, we desire to thank our readers, who have shown such a great interest in it.—*Evening Telegraph (Phil.).*

This is the greatest victory for Freethot since the Presbyterians changed their creed, so that infants a span long are no longer burned forever in hell-fire.

T. L. Beebe, of Brooklyn, N. Y., encourages us with the following:

* * * * Yours containing receipted bill and souvenir received, for which please accept thanks. While the readers of H. S. are getting more than their \$ worth in May magazine alone, they will also appreciate the pretty and useful little token of friendship and the friendly spirit in which it is given. It would take many times the cost of the little tray to get it back from me. * * * I am compelled to discontinue much of my reading, "for cause," but will stick to H. S. till the last (GE) the last of me. The Procession theory and the *higher science* of the motion of matter is not born for a day, and the facts upon which they are formed are eternal within themselves. You and I, after a little while at the most, must accept our destined places in the general mixup of matter obedient to the universal law of procession and even in our retired state we shall occupy a more real, substantial and exalted place in nature than all the gods, or gaseous vibrations (to use the words of Haeckel) that ever found lodgment in the human skull. * * * *

Speaking of the Sixth Sense article in HIGHER SCIENCE for May, W. C. Wagener of St. Louis says:

* * * * I believe you are right and that reason is the highest sense. * * * The more I study your *Procession of Planets*, the more I am convinced that you are right. * * * *

J. Frank Rutt (see Adv. in HIGHER SCIENCE the past year) returned Saturday from Cleveland, where he graduated from the National School of Manual, Physical and Suggestive Therapeutics, and is now a full-fledged doctor of Osteopathy. * * * —*Republican* (Wooster, O.)

Geo. J. Wheeler, of Logan, Utah, who is one of our old subscribers, says in a letter of September 25:

I don't get H. S. regular. I never want to loose one copy. I inclose. Don't miss me any more. I have learned more from HIGHER SCIENCE than from any book or periodical I ever read. If God had studied H. S. he would never have ordered Josh to stop the Sun so that he could have more daylight to massacre women and babes and save only the maidens alive to throw to th soldiers. * * * *

The editor of *Occasional One* is not a religious bigot at all, as we had supposed by his saying that we saw no harmony in this world on account of being an Atheist. In his last magazine Bro. Damon shows that he is a gentleman by saying:

The *Procession of Planets* is a theory explaining the existence of conditions of Earth and other Planets. Astrology explains the conditions and capabilities of the inhabitants of the Earth. We do not see why there should be any conflict between The *Procession of Planets* and Astrology nor between the HIGHER SCIENCE and The *Occasional One*.

* * * * Mr. Heald is mistaken in thinking that we are disapproving of his Procession of the Planets, for the theory looks reasonable and we never said a word against it, excepting the Red Hot Sun question. * * * *

Dr. E. M. Woolsey, of San Francisco, endorses the HIGHER SCIENCE teaching of the motions of matter in June *Segnogram*. He says in the beginning of his valuable article:

Man is what he eats. Morality, National and Individual, is but a question of diet.

Food is the important factor in the production of a type.

In years to come this paramount question of diet will be recognized, and each individual will confine himself to the consumption of foods suitable to his temperament and mode of life. * * * *

In an address, recently delivered in Milwaukee, the Rev. W. H. Harrington, for many years chaplain of the Minnesota state prison, declared that the theological dogma of vicarious punishment was responsible for a vast deal of crime. * * * * *Truth Seeker.*

Even preachers and ignorant Christian publications like *Ram's Horn*, are beginning to see the heinous injustice of vicarious atonement. Bye and bye the more decent and educated will awaken to the immoral nastiness of Christ's birth, example and teaching and may wield influence enough to be able to shovel a lot of dirt, adultery, brimstone, cannibalism, etc., out of the Bible.

* * * * Mr. Edison's theory eliminates this contradiction of accepted natural laws, and indicates the possibility that the energy emitted by radium is merely reflected, as it were, from some unknown source. "My theory of radio-activity," says Mr. Edison in part, "is that the rays which the new elements emit are set up in the same way, the substances being rendered fluorescent by some form of ether vibration which is undoubtedly all-pervading, but has not yet been isolated or measured, and which may have some extraplanetary origin. To accept any other theory is to declare one's belief in perpetual motion, in getting something for nothing."—*Eleanor Kirk's Idca.*

This is HIGHER SCIENCE's oft repeated explanation, i. e., that the radium is only an agent between itself and the elements surrounding it and that the surrounding elements furnish most of the energy and of course suffer most of the waste.

* * * * If people would clean their bodies in the spring, as they clean house, they would get rid of disease, but they clean their houses and then move their dirty old bodies into their clean houses and wait for an exacerbation to their disease; then when it comes they rush to find health. * * * * *Stuffed Club.*

July Whim of Newark, N. J., in an article on kindergarten work, has the following uncalled for narrow and untrue statement as a fling at Freethinkers.

* * * * One curious thing the F.'s have ascertained and that is that among the most one-sided and prejudiced of children are those of radicals and "free-thinkers" and anarchists. There is a dogmatism of the undogmatic which is more offensive than the old-fashioned narrowness of sects, because it professes liberality though it is really quite as narrow. The "free thinker" forces his own brand of thought down the throat of his offspring as relentlessly as the most orthodox of Methodists. The Playhouse system aims to leave the child actually free, but the "free thinker" too often insists upon handing down to posterity intact his own particular scheme of philosophy. * * * *

There is probably no doubt but that the little freethinkers may have asked these hidebound "F's" some very embarrassing questions which irritated them, but no Freethinker ever even wanted his child to believe as he believed himself, unless

it proved to be true. The very foundation of Freethot is to be free to think. How any ordinarily intelligent man (much more the editor of this *W/him*) could write or repeat such self-evident falsehood, is past finding out. If these F's, whatever they are, will tell the truth they will find themselves the most narrow and bigoted inhabitants of the state, which they disgrace.

Whisky is a good thing in its place. The reason it has caused so much trouble is because there is a profit in the making and handling of the stuff. Do away with the profit and license or tax and there will be no more adulteration. Then there will be no more drunkenness or murders by crazed drunks. * * * * *Pink Iconoclast.*

The above is correct and what we would call **HIGHER SCIENCE**. The long-haired men who part their hair in the middle, and wear petticoats, assisted by the short-haired W. C. T. U.s., who part their hair on the side and wear pants, are to blame for bringing the saloon into existence and increasing crime a hundred-fold in the last sixty years.

Our opinions differ as to whether religion or patriotism is responsible for the destruction of more lives and property, but even a casual study of history will show that these two fetishes have been the direct cause of all the wars which have brought sorrow to the human race.—*W/him*.

What is this universal principle we call life? Why does it manifest itself in these myriad forms? These are subjects that enlist the attention of thoughtful people. Materialism offers no satisfactory explanation. It admits these are things that cannot be explained, it recognizes the fact that elements exist that are beyond the reach of the five senses.—*Health Reporter.*

Materialism explains all things and only admits "that there are things which cannot be explained" to people who have not the capacity to understand. It recognizes the fact that no element, condition or motion exists, which is beyond the reach of the Sixth Sense of Reason.

Did it ever occur to you that the problem of business came to Christ when He was looking for a way to fulfill His mission, just as it came to you and I?—*Christian Socialist.*

It has often occurred to us that the problem of how and where to beg or steal the next meal, often presented itself to him and his dirty dozen; but according to the bible and its prophecy (?) his mission, to be hung with thieves, was fulfilled by the hangman at Jerusalem.

Reginald Coryell, editor of the *Acanthus Magazine*, in a personal letter, says:—

* * * * I have read one or two numbers of your **HIGHER SCIENCE** and am pleased with your fearless stand and true philosophy. Will be pleased to review and comment on your articles or publications. * * *

There are two great, equal powers, constituting two co-equal and coeval antithetical coordinates of eternal activity in the universe. * * *

—*Flaming Sword.*

What he means is expansion and contraction of matter, but he is amongst the darkies now and dare not use the simple American language.

I have read Arabian Knights and Mother Goose of old, and the lady who resided in the shoe. But I think "Our Savior's" story, the nastiest ever told by god, or human being;—now, don't you —*A. Johnson.*

Our friend S. D. Parrish, attorney, of Richmond, Ky., has investigated the case of renewal of youth in the case of Mrs. Rosa Perkins at Huntington, Mass. He sends a letter from E. B. Cole, the representative attorney of the latter city, which says in part:

* * * * Mrs. Rose Perkins I have known for forty-five years and the facts stated in HIGHER SCIENCE are true. She is a woman wonderful, has had ten children, five living. I see her every week. She reads and sews by lamp light as well as when sweet sixteen has not used glasses for twelve years. She has "pieced" seven bunts in the last thirteen months, one a beautiful silk. * * * *

One H. W. Hunt, of Fredericksburg, Md., writes a long pessimistic letter opposing all our methods as wrong. In regard to crimes of preachers, of which he admits he knows nothing, He attempts to lay all the blame on the women in the following cowardly language:

* * * * I also notice you advertise a book called *Crimes of Preachers*. I have not seen the book, hence may do you injustice, but if my impressions are right, I should not class all the misdemeanors recorded therein as crimes. To my mind a woman is the owner and mistress of her person, and anyone who would deprive her of this right is a tyrant of the purest water. * * * * I do not deny the ignorance of Christians, but would such paragraphs assist them in coming to the Truth? * * * * What I want my Dear Sir, is to build up the right and let the wrong severely alone. * * * *

True, he not only does us an injustice, but himself and society also. A man who insists on "letting wrong severely alone" is, to say the least, a very poor citizen and of no use except to shoulder a musket at \$13.00 per month to be shot, when the politician waves his hand and points. He is a coward who will leave a woman and her superstition to the mercy of a priest under the false pretense that she is the mistress of her own person. Under such circumstances of hypocrisy of the godly and the indolence of such people as the above pessimist, she is not always the mistress of her own person and deserves and we demand for her, the protection of every honest man, who has sense enough to read and comprehend the true situ-

ation as set forth in the *Crimes of Preachers*. (Send 25c to this office for a copy by mail, postage paid.)

A wise man is always ready to admit that he has learned something; a fool always claims that the already knew it. The wise man has made a million mistakes; the fool has made none whatever.—*Arkansas Traveler*.

* * * * With no saloons, we would have no slums; and, without the votes of the churches, we would have no saloons. * * * —*Cal. Voice*.

The above is "to true, and true, too." Before these religious fanatics, including the long-nosed W. C. T. U.'s, started in with their ignorant work of meddling, there was not one drunkard to where there are 1000 now. Liquor was so cheap that a saloon could not exist and there was no standing around and treating. Taxes, licenses and other penalties imposed by religious votes have raised the price from 10 cents to \$5.00 per gallon, and brought the saloon.

Paul Tyner, in his *Bodily Immortality*, page 21, says very truly:

Christ meant what he said ever and always; not allegorically nor figuratively, nor fancifully,—but actually and truly, and literally, in the plain, everyday meaning of the words, as a child would understand them. When he spoke figuratively in parables, he took particular pains to say so. * * * *

Few Christians will admit this. They pretend that he was joking or lying when he said that he came into the world to destroy the family and christianity has been the curse of civilization for 1500 years.

Prov. I. 26,27. I also will laugh at your calamity—; I will mock when your fear cometh as desolation and your destruction cometh as a whirlwind; when distress and anguish cometh upon you.—*God*.

This Jesus, the world's Saviour, the Christ of God, explains all things those who do not receive him are indeed the most foolish, those who do not know him degrade themselves, those who don't believe in him can swallow all delusions, those who don't love him, don't love themselves. The creed of the Spiritualist, makes love to our fellow men, a fundamental principle. The man who does not love him, who laid down his life for the world, cannot in the true sense, love any one rightly.—*Philosophical Joh*.

Those who do believe in this old illegitimate conception of a tramp thief, disturber of the peace and divider of families are indeed foolish and degrade themselves. Those who believe he was good or clean or fit to be hung with anyone better than a common sneak-thief, are suckers and will swallow and pay for anything nasty. Those who love him would love a snake, dog or "nigger" and make good cowboys.

Wash., D. C., July 20, E. M., 304.

Dear Brother Heald—You are on your way to Hell
Find \$1.00 to weld you to old Satan's tail.
When in the well of truth you delve and dig
And Kuss, till the hour of twelve calls you
To God's bar, then you will know that the
Earth is flat and you are a phool to deny
What you learned at Sunday-schule.

—Frank Burns.

An old friend at Pasadena, who received a sample copy of HIGHER SCIENCE, being of a pious turn, says:

Dear Frank:—What you say on science is good and if your magazine delt with that subject only, I would be a subscriber with pleasure, but your blaspheme is too rank. If you should be sick and near unto death and recover, then send me a copy and I am quite sure it will suit me and many others.

———— Hope he does not think we are a coward to become frightened and accept the vile nastiness of Christianity, to escape Hellfire and brimstone.

Of course if there is a crooked nosed, jealous and angry old Jew god, there is no doubt but that he is mean enough to knock the brains out of 8,000,000 poor little babies in a single night, or throw thousands of innocent maidens to the soldiers, but the cowardly old brute dare not "jump onto" the editor of HIGHER SCIENCE, either in daylight or dark, even tho he is a cripple and has only a few months left to enjoy the pleasures and beauties of this dear old earth and life, and only hopes for rest after it is over.

Compendium of Revealed Knowledge, by Dr. Carson, not understanding his subject, says:

* * * * We live in the midst of an invisible world in which silent forces are at work of which we know but little, but thought the cultivation of the Sixth Sense, as explained in this work, we may enlarge the scope of our understanding to a degree that will astonish us.

We advise the Dr. to read our sixth sense article in May number, when he will see that we cannot develop the Psychic or animal senses without shutting reason out and making the mind a hypnotic blank, to receive these feelings which animals and insects have and from which we are steadily evolving.

— Our old-time friends, Geo. Wright, of Azusa, whom we have known for almost a quarter of a century, writes to renew his subscription and says:

I send \$2.00 to help HIRE SIENCE. I omit a few more usles leters than you do. If all reform spellers would omit all the silent tha coud, not to bother the reader, it would help much towards a speling reform * * * * I am just alive, am done work, can read a little and write a little, such as it is. I am running down and shall soon leave this con-

dition; whether to sleep, or to a better condition or to a worse, I cannot tell. I have been trying to find some clue to conditions after death for 70 years. I get no evidence but it does not trouble me. I do not indoors all of HIGHER SCIENCE. The works of the old imaginary Jew God and the doings of nature are alike unharmonious, cruel, and would be wicked, if guarded by intelligence. The Jew God ordered his chosen people to kill the men, women and children of over a hundred cities. Nature killed 900 in New York City. Was it harmony to kill those innocent children by nature's fire? * * *

Mr. Sam Bertram, of Littlecrab, Tenn., sends his annual \$1 and adds:

* * * HIGHER SCIENCE is a fine magazine. I do not want to miss a single issue. I like the way you "knock" the old Jew God, his son and their vulgar and nasty testaments. * * * Is the new Procession of Planets out yet? If so I will send the money. * * *

The *Dickens* (Ia.) *Leader* starts a long article of truth and ridicule as follows, to-wit:

God's creators reveal their ignorance and superstition in the creation of God and bring themselves and their myth into contempt. * * *

Hurrah for good old Iowa hard sense. When a lot of the cowardly newspapers come out and tell the truth about this filthy and immoral religion, which is and has been the curse of the white races for fifteen centuries, it will not last a week and its depraved followers will be electrocuted and cremated on this side of Hell.

The water placed in goblet, bowl or cup
Change its form to its receptacle;
And so our plastic souls take various shapes
And characters of good or ill, to fit
The good or evil in the friends we choose.
Therefore be ever careful in your choice of friends,
And let your special love be given to those
Whose strength of character may prove the whip
That drives you ever to fair Wisdom's goal.

—Emperor of Japan.

Will some christian sucker please point out something which Jesus Christ ever said about witches, lilies of the field, "believe or be damned," hating your relations or turning your other cheek (like a cornered coyote), which will even compare with the above for morality.

Since the goody-goody Christians and legislators of this blissful country are wrestling with the problem of polygamy and tyrannicide, some of them have turned to the Bible for enlightenment on these perplexing questions, and they find themselves now in an embarrassing predicament. "Polygamy must be accepted as a legitimate religious custom by all who accept the Bible as the actual word of God," says a Detroit minister, who has since renounced the "holy writ;" and Mr. Moses Oppenheimer has shown by numerous quotations that "the doctrine is laid down in the Bible to kill tyrants and exterminate their families by fair

means or foul." The next thing in order is, of course, to suppress the Bible. * * * * *Free Society.*

To be sure, it should have been suppressed hundreds of years ago. A man who endorses it has no more right to live than a rattlesnake or skunk.

H. H. Drake, of Amarillo, Tex., says:

* * * * God, the fine old fellow, is devastating the eastern slope of the Rocky Mountain Range and killing a good many nice people. Where do the mercies come in? When he goes over on your side, look out for destruction of life and property. * * * *

Jno. W. Walsh, of Louisville, Ky., wondering why his September and October HIGHER SCIENCE failed to appear, says:

* * * * Somehow I miss them very much. I love to read them and would not be without them for five times the cost. It should have the greatest circulation of any Freethot Magazine in America. * * * *

Canon Henson, one of the chief dignitaries of Westminster Abbey and a select preacher of Oxford and Cambridge Universities, England, has raised a storm of criticism by the publication of an article wherein he attacks the inspiration of the Old Testament, referring to its "incredible, puerile or demoralizing narratives," which are regarded as being "a pack of lies too gross for toleration." He declares that inspiration is not allowed to certify to the truth of any statement in the Bible "which cannot be substantiated at the bar of reason and evidence." In the New Testament he finds little to offend reason or conscience, "but, whether much or little, it will have to go the way of the Old Testament prodigies." * * * * *World.*

If you want to raise a storm, just tell the truth about their demoralizing old god and obscene and filthy bibles.

Edward Bosky, of New Ulm, Minn., writes to help god out, in opposition to the theory of a Procession of Planets. Of the expanding and contracting of matter being the cause of all motion, he says:

* * * * I sincerely believe that nobody will ever win the \$1000, but you are entirely wrong, nevertheless, in your conclusions; because this contraction and expansion is the breathing process of the universe, only obtainable to an organized body. We may not be able to show God, but we are a part of Him and our breathing depends on His. * * *

Thos. Duell, of Idana, Kan., says in the *Bluegrass Blade*:

* * * * I had a talk with a preacher at Idana on the *higher science* and *procession of planets*. He admitted that God did not make the world and all therein in six days, but said God made the cause that made the world. He is not an ignorant man but sticks to his old Jew God and the Bible, which is full of lies, contradictions and obscene literature. * * *

Every man is entitled to his opinion, but it seems to us that the opinions of the so-called Free Thinkers are too windy with conceit to have much weight.—*L. A. Times.*

ASTROLOGY

A general life reading with an accurate Horoscope of the planetary positions affecting birth, \$2.00. Principal di-

LEARN A PROFESSION that is not overcrowded.

OSTNEOPATHY, ELECTROPATRY AND SCIENTIFIC MASSAGE

Our Students are making \$80 to \$95 a day. We teach by mail, or residence course at our school. Send for particulars. A postal card will do it. **NEW YORK SCHOOL OF ELECTROPATRY.** Incorporated under the laws of New York State. **WAVERLY, N. Y.**

Your Character. Personal and Future will be read by an expert of wide repute on receipt of 12 cents and specimen of handwriting. **HENRY RICK, Graphologist, 1927 Madison Avenue New York.**

HINDO CERATE

A Prompt and Efficient Remedy for Eczema, Erysipelas, Herpes, Erythema, Ringworm, Nettlerash, Itch, Poison Oak, Chaffings, Burns, Abrasions, Salt Rheum, Nasal Catarrh, Frekles, Tan, Sweaty Feet and Armpits, Weak Eyes and Lame Back, Boils, Felons and Carbuncles, Pile-Tea Bites, and all eruptive ailments. A Sedative "Anodyne" and Local Antiphlogistic. No lead, arsenic, mercury or strichnine used in its compound. Apply every four hours (generally)—Stings and Bites oftener. Suborn, apply and warm in. Allays all irritation almost instantly. Soothing, Bland and non-poisonous. — Fg'd by **A. A. CASWELL, Long Beach, Cal.** OF ALL DRUGGISTS, and only Fifty Cents.

FOR SALE \$500

Beautiful 7-room cottage—lot 50x150 feet, fenced. Located at Murrietta, Riverside Co., Cal. Near postoffice, stores and Santa Fe Ry. station, schools closer than churches. A few bearing fruit trees, large ornamental and shade trees, front and back porches, all in good condition and title perfect. Owner must sell. \$100 cash, balance in small monthly payments to suit. Also have 40-acre ranch land one-half mile below in valley. Will put the two properties together and exchange for Los Angeles property.

G. W. Fox & Wm. M. JACK,
244 1/2 S. Broadway, Los Angeles, Cal.

(I am acquainted with this beautiful property. It is as represented.—ED. HIGHER SCIENCE.)

E. W. FREEMAN

Attorney and Counselor at Law

500-511 Laughlin Building

Tel. Main 109 Los Angeles, Cal.

TO AUTHORS SEEKING A PUBLISHER

Manuscripts in all branches of literature suitable for publication in book form are required by an established house. Liberal terms. No charge for examination. Prompt attention and honorable treatment. Address The Dryden Press, 23 E. 20th St., New York.

POSITIVELY CURES Piles, Fistula, Croup, Diphtheria. By mail 60c.
Dr. Georgean Miller, Diamond, Arkansas

SECRETS For Married People. Prevents trouble for ladies, 25c. The Cantharin Co., Wooster, Ohio.

WORTH THE MONEY

To laugh, cry or feel good; READ "BLACK WENCH", by General Punta Gorda, \$1 by mail. Address: I. Trabue, Punta Gorda, Florida.

Lovers of Truth Send for this Book.

ESSENCE OF REASON

By J. A. Campbell. It opens the prison doors and lets you free; proves the Bible is manufactured by man; removes the black stain of superstition and hell from the minds of people and puts the old money-making Bible in the fence corners. Lend it to your orthodox friends. Price, cloth .35 cents; paper, 25 cents postpaid. Address, **J. D. COOPER, 49 McCaul Street, Toronto, Ont.**

HIGHER SCIENCE

Pictures in Pastel Colors

Portraits, Landscapes, Genre and Figure. Painting from life, photographs or engravings. Satisfaction guaranteed, both in character and technique. Decorative and patent office designs. Crayon and Charcoal drawing done if desired.

Chas. Watts, Otto Wettstein, J. D. Shaw, Dr. J. L. York, N. Y. Truth-Seeker (D. M. Bennett portrait) and many other prominent Freethinkers among former patrons.
730 East Tenth St., Los Angeles, Cal.

STURGIS

N. B.—Mr. Sturgis will start a class in a short time. See or communicate with him for further particulars, prices, etc.

SEXOLOGY.

Would you like to have circulars of Clean, Helpful books on this much misunderstood subject? A stamp will bring them. Postal Cards not noticed. A. W. Rideout, 70 St. Paul St. Boston, Mass.

A Stuffed Club (FOR Every-body)

Is one of the best Magazines published. Dr. J. H. Tilden, the able editor does not hesitate to tell the truth, when it does the most good, even though it is not popular. \$1 per year, Steele Block, Denver, Colorado.

WONDERFUL BOOK—ANTHROPOGRAPHY

of the four nations and Forty-eight Tribes that descended from Abraham (Gen:17). I have discovered the fixed law or seal (Rev:7) of the intellect by which I can tell what Tribe you belong to: Jews or Gentiles, or the lost Tribes. Send me your name and address, age, month and day; nationality, complexion, color eyes, hair; photo and 50 cents and receive test Tribe reading. My book of 234 pages 49 illustrations of Tribes, history and origin of Tribes. Cloth, \$2; paper binding, \$1.50. R. BEVINGTON WEBBER, Author, Dayton, Oregon.

A Great Bargain

engine and pump which pumps 35 miner's inches at nominal expense. Three artesian wells that cannot be pumped below 14 feet, 10 acres in alfalfa, has produced as high as 12 tons per acre when irrigated. This splendid property is one mile from the finest Hot Mineral Springs in the world and can be bought at a great sacrifice from the owner, widow of the late Dr. B. A. Wright. It is impossible for Mrs. Wright to take care of it and therefore it must be sold. This would make a model berry farm, with a local market of unusual demand, on account of lumber interests in the mountains, Hot Springs, Strawberry Valley Resort, Mining camps, etc. Santa Fe R. R., good schools, healthful climate. This fine place with improvements that cost between \$3000 and \$10000 and be had for \$3500, or part cash and Los Angeles property. Mrs. Wright's temporary address is 1500 South Main St., Los Angeles, but Higher Science will know her future address, or forward any mail sent her in its care.

Twenty Acre Farm In the beautiful and flourishing town of San Jacinto. Rich, deep, black soil; eight room house, insurance on house and buildings \$2200; fine wind-mill, tank and tank-house. Fine stable or barn, carriage house, dairy house, pump-house with 8 h. p. gas

LIBERAL CLUB

Of Los Angeles

Meets every Sunday evening at the

Burbank Hall

544 1-2 S. Main St.

at 7:45 o'clock p. m. sharp.

FREE!

New lecture every week by the best local talent. Good music and other exercises. Come and bring your family and friends and enjoy these feasts of reason. EVERYBODY WELCOME.

IT PAYS, HOW DIMES MAKE DOLLARS

Now incorporated under the laws of the State of Washington; the most liberal, comprehensive and valuable charter ever granted a corporation, to establish, build and operate a city complete by the people for the people, the MENTAL SCIENCE INDUSTRIAL COMPANY, of Seattle, Washington, under the direction of Prof. M. F. Knox. Will mail free a complete prospectus of the safest interest-bearing investment ever offered. \$1.00 shares (a limited number for the next 60 days) are offered at 15c. per share. Send 17 one-cent stamps and get one share, a prospectus and become a member. The 5th annual term of the MENTAL SCIENCE COLLEGE will open July 1, 1904 for a two-months term.



Tel. Main 561 TRADE S. BRCS MARK

SIGNS SCHROEDER BROS.

121 E. Second St.,
Los Angeles, Cal.

THE AMERICAN BOARD OF PROMOTERS BUY SILVER BULLION

Room 320, 218 S. Broadway

J. F. HOLBROOK MANUFACTURER
OF —————

Harry's Patent Corrugated Tanks

Cyanide, Oil and Water Tanks

*All kinds of Galvanized Iron Work
Complete Outfits for Oil Refining
Galvanized Irrigating Pipe
Corrugated Roofing made to order*

310 to 315 Requesena St.
Tel. Red 3811. Home 4784
LOS ANGELES, CAL.

Liberal Headquarters...

WHEN YOU ARE AT THE

WORLD'S FAIR

AT ST. LOUIS THIS YEAR, BE SURE AND STOP WITH MR. AND MRS. W. C. WAGENER, 3111 NORTH NEWSTEAD AVENUE

You will find everything Neat, Clean, Homelike, and Welcome by Liberal Friends. Rooms, or Rooms and Board at very reasonable prices.

Mr. and Mrs. WAGENER will take great pleasure in making you acquainted with other Liberals, who visit the Fair and stop with them, or in the vicinity.

You will find the editor of HIGHER SCIENCE at MR. WAGENER'S, if he is fortunate enough to visit the Fair. DO NOT FORGET THE ADDRESS, but take this magazine with you. Write to them for particulars.

W. C. WAGENER,
3111 NORTH NEWSTEAD AVE.
ST. LOUIS, MO.

IOWA GROWN SEEDS

All of our seed is grown in Story Co., Iowa, on the Skunk River flat and is tested and true to name. When once used they will always be planted. In order to introduce them into thousands of new homes we will send either **300** kinds of flower seed or **10** pkts. of choice garden seeds for **10 c** or both for only **15 c**.

TURNIP SEED

Best known sort, pkt. 2c., oz. 4c., $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 22c.

PENCILARIA

The greatest fodder plant in the world. In Iowa in 1903 that was grown by one Mr. Wood, in Story Co. 95 tons of green fodder on one acre of ground. It only costs you 40 c. to plant an acre or three acres for 90 c., 10 acres \$2.00. Full description and culture.

3 Year Old Dormant Crimson

Rambler Roses at 32c each, 4 for \$1.00 prepaid. One year olds at 14c 3 for 30c, \$1.00 per dozen prepaid.

CHOICE MILLET AND CANE SEEDS

Also Grass of all kinds. Special prices to agents to sell pkt. seeds to dealers. Do not fail to get our prices.

DWARF ESSEX RAPE for hogs, sheep and calves. Sow seed in corn field. Let them run in the field. Best feed for fattening. Price per 100 lbs. \$5.50, 50 lbs. \$3.00, 25 lbs. \$2.00 by freight. We furnish sacks free with all kinds of farm seeds. If in need of anything in our line you should write us at once.

F. C. GRAVES SEED CO.

Dept. 1438

DES MOINES, IOWA