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HIGHER SCIENCE



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

MARCH, 1907

FRANKLIN H. HEALD
EDITOR AND PROPRIETOR

LOS ANGELES, CAL.

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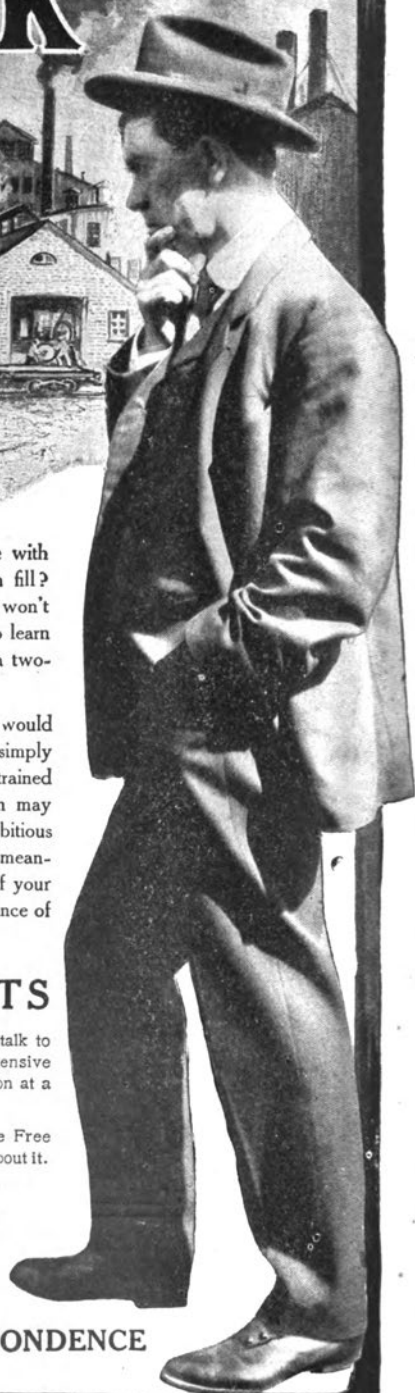
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HIGHER SCIENCE

OF THE MOTION OF MATTER

ISSUED MONTHLY
AT COR. ANABELL AND DAYTON AVE.

FRANKLIN H. HEALD
EDITOR AND PROPRIETOR

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VOL. VII.

LOS ANGELES, CAL., JUNE, 1907

No. 6.

AS OTHERS SEE US

Bakersfield Morning Echo: A call has been issued for a special election in the city of Los Angeles, June 12, to authorize an issue of \$23,000,000 in bonds for the so-called Owens River project and the language is noteworthy in several particulars. In the first place, it specifies the Owens River water supply by name, thus excluding all other projects, however advantageous they may be made to appear. It authorizes an issue of but \$23,000,000 when all of the estimates show that the project will cost much more than that. No one attempts to say how much the works will cost. It is a singular thing that a great city is about to embark on a gigantic enterprise without having had made anything in the nature of an estimate of the final cost. Expert engineers were called several months ago and after looking over the ground in an automobile for a few days, they said an open canal would cost about twenty-four and a half millions if the work was not done by a political organization. The report adds: "The figures are based on the assumption that the work will be done on a business basis, unaffected by politics." It is decided beforehand also that the work will be done "unaffected by politics." Los Angeles and no other city can do business that way. The police, health, street and all other departments of every city are deeply "affected by politics;" why should any one suppose that this great undertaking will be overlooked by the spoilsmen? In conversation with a number of prominent business men of that city a few days ago they all said they did not pretend to know what the undertaking would cost, but they placed the figure at thirty to forty millions. It is truly marvelous that a great city should embark on an enterprise of this magnitude clearly as a "leap in the dark."

We note also that the call for the election does not mention the power plant from which so much revenue has been promised, but expressly excludes it. The language of the call is as follows:

"That the object and purpose for which the said debt is proposed to be incurred is the following to-wit:

"The acquisition and construction by the city of Los Angeles of a certain revenue-producing municipal improvement, to-wit: Waterworks for supplying the inhabitants of said city with water from the Owens River valley, in the state of California, including

the acquisition of lands, water rights, rights of way and other property and the construction of aqueducts, ditches, canals, tunnels, reservoirs and other works necessary therefor."

The words "and other works necessary therefor" must refer to the "water works for supplying the inhabitants with water." This must make the power companies breathe easier, and perhaps it would now be possible for a citizen of Los Angeles humbly to ask a question about the undertaking without being accused of being a "tool of the power companies."

The power phase of this Owens River project has been very nearly ludicrous from the beginning. It is admitted that nine or ten million dollars would bring to the city enough water to answer her needs up to about double her present population. Then until that point is reached, the balance of the thirty or forty millions of cost must be charged off to the power plant which has heretofore been talked about in glowing terms, and the inconsequential benefit flowing from the sale of a small amount of water to a few farmers. For this surplus investment of twenty or thirty millions of dollars, it is estimated that electrical energy to the amount of 49,000 continuous horse power could be produced. But the Edison company, at a cost of about \$1,750,000, is just completing a plant on Kern River that will turn into Los Angeles 40,000 horsepower. With substantially the same output, the city will have ten to fifteen times the investment of the power company. To deliver this power, Los Angeles will be to the expense of maintaining an expensive waterway 250 miles in length, and one power line 150 miles long, one of her proposed plants being that distance from the city; the Edison company has about ten miles of waterway to maintain, and a transmission line about 125 miles in length.

Of course, if Los Angeles has abandoned the idea of installing power plants, as the call for the election indicates, then this phase of the question is not up for further consideration. But with that source of income eliminated, the full load of this enormous debt must fall directly upon the inhabitants of the city. What circumstance can justify her in taking on a load of debt amounting to thirty or forty million dollars, when ten millions is enough to meet her needs for an indefinite length of time? When she has doubled her population (and wealth) and needs more water, the supply will still be exactly where it is now, and she will be twice as able as now to bring it in.

PEOPLE WHO VOTE BONDS

There are four classes of people who can always be depended upon to vote for bonded indebtedness and they are unfortunately largely in evidence in this City, but fortunately not in the majority.

First are the Bankers. They live by the growth of debt and as long as there is money there will be money changers who feed upon usury. They will always indorse any plan which will rob the people by interest bearing debt. When the property mortgaged can no longer pay the interest they will foreclose and take it.

Second are Real Estate dealers and boomers, who will be in favor of any scheme which will create a temporary fictitious value. They are a species of gamblers, very numerous and have always been the curse of this part of California. No scheme is too big for them to indorse and the more ridiculous and impossible the louder they will howl; any thing to raise prices temporarily.

Third, the Boodlers, Grafters, Newspapers, Surveyors; Shyster Lawyers and others who get a share of the people's money; and Fourth, working people who have no property of their own and are not to be honorable to vote a mortgage on other people's property. I am glad to say that out of the thousands of such people in Los Angeles, there are many who will refuse to vote on a question which they realize is not within their right. There are however, thousands of tramps and drunken loafers who will vote for the bonds, partly for spite against successful people, and partly because they hope for a temporary raise in wages, knowing well that if it fails or when the work fails they can pack their grips or roll up their blankets and like the Arab "silently steal away," and help vote bonds at some other place.

There are not nearly so many people who vote as they are told by their preacher or banker as formerly, but of course there are a few who do not think for themselves and vote without knowing the reason why.

THEY LIVE BY GRAFT

To one who has a great respect for the cloth, and a deep-rooted faith in the teachings of the church, it is a little jarring to find a local minister of the gospel announcing his intention to advocate the desert bond issue from his pulpit next Sunday evening, taking his text from Revelations 22:1, "He showed me a pure river." He explains that he believes in choosing his subject from living issues, "and, surely," he is quoted as naively saying, "there is no more living issue in Los Angeles today than the securing of the Owens river water by the \$23,000,000 of bonds."

Doubtless, the Rev. Mr. Brooks is a most helpful minister to his flock—naturally, he is a Baptist—but, before he begins likening Owens river to the pure water of life, such as was revealed to St. John the Divine, he should be sure of his premises. With analyses of eminent chemists of international reputation revealing the presence of large quantities of alkali in the river, with the testimony of ranchers and old-timers strongly corroborating the scientists by practical tests, resulting in their refusal to drink the water, Rev. Brooks is making a sorry exhibition of his pulpit, and is posing as a false prophet in attempting to lead his congregation astray in the manner he proposes.

Besides, we have plenty of good water hereabouts, and the mountain of debt sought to be imposed is entirely unnecessary.

Another minister, a Congregationalist, is advertising to give a lantern-slide lecture, the views, presumably, being furnished by the desert bonds promoters of the enterprise. What a chagrined pair of preachers these two gentlemen will find themselves, in case the bonds carry, when later events prove the fallacy of their doctrines, which, alas, they have, apparently, imbibed at second hand from selfish sources. From the pulpit should emanate gospel truths, not rank misstatements, calculated to deceive those who chance to hear. This is not civic uplift, but dangerous sophistries, they are unwittingly arranging to spread, and the harm they may do may retard seriously their sphere of usefulness in the cause of the Master. They are sowing the wind, and will surely reap the whirlwind for their folly.—Evening News.

You can always bank on preachers lining up with any kind of a graft. Their business is graft and they live by trading on the future. If the Angel showed John a pure river, when he was finishing up his drunken revelry at Platnus, we may be sure that it was not the Owens River by any manner of means, or if it was the Owens River, John was still in the same condition that the Mayor and Committee were in, when they drank of it, during their late tour of the desert. Yes the fellow Brooks is no doubt a good shepherd and wind sower—in fact that is all that any preacher is good for i. e., to make promises and threats of the future.

SUPPOSE THEY TOLD THE TRUTH

An observing citizen says: "We hear a great deal of talk now on the street about the Owens River (?) water scheme. We hear it said the grafters who are pushing the scheme have no title to the water; they have not enough water; the water is Alkaline and unfit for use; the proposition is not feasible; the Aqueduct will fill with sand and be polluted with drowned animals, snakes and lizzards; it will take more than 10 years to build it and it will cost several times \$23,000,000 to build it, etc."

Now the whole question to be decided is this; suppose they have title to all the Owens River (?) and Desert, suppose the title is good, suppose the water is the best in the world, suppose there was as much as there is in the Mississippi, suppose the scheme is feasible, suppose they cover the conduit all the way, suppose we never have another earthquake or sandstorm in Southern California and suppose they could build it in five years instead of 20, suppose it only cost \$30,000,000 instead of \$100,000,000, suppose it was not in the hands of a ring of thieves and there was no graft in it, suppose the bonds would sell if they were voted, suppose Otis was not a conceited liar and has sold out; is it a good business plan to mortgage our fair city to get money to buy and build what we do not want and have no use for and never will need?

It is stated that 22,300 miners' inches continuous flow of water is perculating down the Los Angeles River at W. Glendale.

Mulholland Lippincott and Eaton swore to it 11 years ago in a suit tried in our Los Angeles courts. The opposition to the Bonds have a transcript of this evidence. Now if this is a fact as they swore it was we have enough water for 2,000,000 people without any of the hundreds of artificial reservoirs which we could build. Why then go to the expense of holding an election to try to vote bonds to buy what we already have? We should have time to find out if we have this 22,300 inches which these great hydraulic engineers swore we have. The matter should be put in the hands of some honest men or women whom people could trust to tell the truth; men or women who have no graft at all in the matter. If we have all this water which they swore we have, then we do not need Owens Desert water at any price.

OWEN DESERT POWER ALL TAKEN

Wilshires Magazine for May, describing an immense gold mine which Mr. Wilshire owns at Mt. Whitney says of the water power which the Owens Desert Bond thieves claim will make Los Angeles city the greatest city on Earth:

Combined with our enormous ore body, which stands out in plain sight for anyone to see, to sample, and to assay, is our tremendous water power, the falls of the Bishop Creek. Our engineers calculate this to be at least 10,000 horse power. We estimate that our water power alone is worth enough to pay a large interest to every investor in our stock, even if we never mined an ounce of gold. The Nevada Power Co., which owns the rights on the Bishop Creek immediately below our rights, has installed a plant which now supplies all the power for the great Goldfield and Tonopah mines in Nevada. This company cannot begin to supply the future demand for power which the mines will require, and in fact the present demand is far from being adequately met and, as a consequence, the Nevada Power Co. is doubling its plant. That company is capitalized at \$5,000,000, and is paying handsome dividends. The stock is not on the market at any price.

For the further development of their power they have made an arrangement with the Bishop Creek Co. whereby the great lake—500 feet deep—immediately above our claims is to be dammed at an expense of \$200,000. This dam will regulate the flow of water. When the snow melts in August we have more water than we can use, and when cold weather comes in the autumn, we have less than we like.

When the dam is finished, the water in the creek will flow thru our property in a comparatively equal volume for the year, it will then pass thru our turbines, flow on and then be taken up by the Nevada Power Co. and pass thru their turbines, which are hundreds of feet below our mill sites. The whole of this expense of \$200,000 will be borne by the Nevada Power Co., and we will have just as much the full benefit thereof as if we had built the dam ourselves. It's really just the same as if the Nevada Power Co. should put \$200,000 in cash into our treasury without taking a penny in value in return for the gift. It's unnecessary to say that the Nevada Company is not a charitable institution, it is not giving us this \$200,000 because it wishes to boom our stock. It is doing so because it must regulate the stream, and the only place on the creek to do so is above us, and therefore we, as a matter of course, are lucky enough to participate in the benefit of their work.

Orders were given to begin this dam last autumn and the Nevada



Company expected to work upon it all this winter, but the unprecedented fall of snow this winter closed the road, although they made a heroic attempt to keep it open, and so the work had to be postponed until this summer. * * *

THE BOODLERS GET THE BALANCE

The government measurement of the water in Owens River (?) is 9280 inches, but above that point (Citrus Station) there are claimed and held as follows, to-wit:

Dell Ditch Co.	3,000 inches
McNally Ditch Co.	5,000 inches
Farmers' Ditch Co.	2,000 inches
Big Pine Canal Co.	5,000 inches
Rawson Ditch Co.	4,000 inches
Owens River Canal	5,000 inches
Bishop Creek Ditch Co.	6,000 inches
Guslave Sanger	500 inches
Hillside Irrigation Co.	2,000 inches
Geo. Collins Ditch	2,000 inches
A. O. Collins (Hurzel Ditch)	3,000 inches
Other smaller claims	12,000 inches

Total outside of Power Claims 50,500 inches

This leaves the Los Angeles Aquaduct thieves 59,720 inches less than nothing but of course all they want is the Bonds, or what money they will sell for.

PLENTY OF WATER AT HOME

The following summary of the vast amount of expert evidence given in 1896 before the Owens Desert robbery scheme was hatched, is clipped from the *Evening News*, which is the only Los Angeles Daily whose Editor is not in the conspiracy to deceive and rob the people:

FACTS CONCERNING LOS ANGELES WATER BASIN.

Compiled From Sworn Testimony of Engineers Eaton, Lippincott, Mulholland, Finkle, Compton, Newman, Saunders, Taylor and Friel.

Drainage area of Los Angeles river, including valley, foothill and mountain, 480 square miles.

Average rainfall, 24 inches.

Increase of six-tenths for every 100-foot rise, up to 6,000 feet, which is height of ridges and peaks that mound the basin.

Total flow in Los Angeles watershed available for use, 20,000 inches, or sufficient for a city of 2,000,000 inhabitants.

Total flow now used, 3,100 inches.

Total average rainfall equal to 43,000 inches. Less 55 per cent for runoff, evaporation and plant life, leaves 20,000 inches net.



"There are no reservoir sites to catch the storm water, and it is lost and is of no value to anyone except the lower lands between here and San Pedro, where it sinks and makes damp places."—Eaton's testimony.

Why go 250 miles away to impound the brackish run-off of a desert country, where the rainfall is only 3.58 inches, when we can store our own flood waters here at home—when we need them?

If the engineers named above are right—and they testified on oath—then 20,000 inches are available, after allowing for the flood waters, or run-off. The city utilizes about one-seventh this flow. It will be time enough to plan reservoirs to catch the run-off twenty years hence.

THE MORNING WIRELESS TELEGRAM

If the alkali bonds are voted June 12, the Editor of this magazine will start *The Morning Wireless Telegram*, a penny morning paper which will proceed to tell the truth about the graft, and lying newspapers until every thief in the ring is landed safely in the penitentiary. This new morning paper will not own the largest leased wire in the world and it will not have an old conceited gen (?) to cross the Rubicon and lie for it. It will however get hourly messages from the principal points of the earth and will have a headquarters in Heaven, Hell, Purgatory, Neverna, Spiritland, Mars and every other place of importance in which Los Angeles people are interested. It will get "hunches" every little while from all along the line of the alkali canal leading from Owens Desert. It will report all the earthquakes, breaks of every kind, sand storms, "cloud bursts" and give a correct record and photographs of all the tons of dead animals, serpents and insects caught by the sand boxes together with all the money stolen in different ways by the grafters who are in the ring, as nearly as may be possible.

There will be no so-called poetry from the dead and it will endeavor to deal with live issues. It will tell the truth about all old conceited liars even if its Editor is attacked from behind with the old hacked "Falstaff sword."

I will be glad to hear from any persons who will take from 10 to 100 copies for the first year to help give it a start or who will give it a \$1.00 to \$5.00 per month advertisement for the first year. If you want a daily morning paper which is not afraid to tell the truth about this ring of thieves and grafters, now is the opportunity to get it with very little outlay, and it will grow as supported.

If any man come to me and hate not his father and mother, and wife and children, and brothers and sisters, yea, and his own life also, he cannot be my disciple.—Jesus Christ.

AS INVESTORS INTERPRET IT

The following letters are fair samples of how out-siders' view our Owens Desert Boodle Bosters, and the millions they propose to mortgage us, our children and our grandchildgen for. It remains for us to redeem ourselves June 12, and then punish those who have been guilty of conspiring to deceive us with all kinds of misrepresentations and lies:

From Party Who Bought a Home Here Last Winter

Concord, N. H., May 13th, 1907.

Franklin H. Heald:

Dear Sir—Yours at hand. We note what you say in regard to arrears on property recently purchased, known as the Hanson property, and will state our position plainly: Until the Owens River bond proposition (which is only a gigantic fraud on the tax-payers of Los Angeles) is settled, you need not expect to be met. And if the graft carries, we don't proopse to put any further funds into Los Angeles and will cheerfully lose the \$400 we have paid. If defeated, we shall pay in full and expect to make it our home. Also we have interested other New England people in Los Angeles properties, who are waiting the outcome of this fight between Honesty and Graft. We are greatly interested in your beautiful city, and proposed putting money and effort into Los Angeles estate. But, if this wholesale robbery of the people's funds by the "ring" in charge in so needless a manner, is permitted, we shall turn our attention to other fields where the microbe of graft is administered stronger doses of booted get-out-ness. The descriptions we have of Los Angeles properties show them to be excellent propositions for investment—providing the city is not ruined by the class of boodlers so characteristic of so many cities during the past decade, during which time the people have been ruthlessly robbed of hundreds of millions of dollars. When the tax-payers of Los Angeles prove themselves equal to the task of throwing off this yoke of tyranny now threatening them, in the shape of Owens River bonds, it will be time enough for New England investments. Until this question is settled you need expect no more funds on the property. Respectfully,

M. A. THORNDYKE.

From a Lady Who Spent the Winter Here, and Went Home to Sell Out

Miles City, Mont., May 20, 1907.

My Dear Mr. Heald: I think I will not take the lots we were looking at, until your vote on the bonds June 12. It seems to me it is an immense sum to bond a city for and I understand that it will be inadequate and that more than \$100,000,000 would be required before the work was completed. I understand also that the water is bad and that there is none in a dry time, so I think we had better let the matter rest until we see if the bonds are beaten. I would rather pay one or two hundred more and will still have time to buy and build before our disagreeable Montana winter sets in. I think you have the finest country and climate on earth, but with the prospect of such a bonded indebtedness one hesitates to invest much in real estate there.

I cannot believe tho, that the bonds will carry. Be sure and keep me posted, and if they do carry, look for some property for me at San Diego, as I am determined to get away from this severe winter.

Very respectfully,

BESSIE HOWARD.

A SPECIFIC STATEMENT

Statement of J. F. Holloway, for six years rancher in Owens River valley, who sold his Cottonwood creek rights (carrying 480 inches of water) to the city, and whose sister-in-law sold Haiwee reservoir site to the city:

"Owens River, of itself, is not fit for human beings to drink, as it runs through sixty or seventy miles of alkali swamps. Owens Valley, from Bishop to Little Lake, has all been a mineral lake at a previous time in its history, and all the land on either side is full of the alkali and soda. Every rain keeps washing this alkali and soda down to the river, and all the irrigating ditches continue to wash down the alkali and soda, and, the river taking it up, it is finally deposited in Owens Lake. Haiwee reservoir is the worst alkali basin in the whole valley. It gets the drain of all the upper valley and Owens Lake, being the lowest basin. I have seen, after a good rain, a lake of many acres of pure alkali water in Haiwee reservoir, so strong that no living thing would drink it. Just think of a human being drinking such filth!"

—*Evening News.*

Deut. xiii:9. But thou shalt surely kill him (brother, son, daughter or wife); thy hand shalt be the first upon him to put him to death, and afterwards the hand of all the people. Thou shalt stone him with stones that he die.—God.

There is six-tenths of an inch increase in rainfall for every 100 feet rise in elevation, until you reach about the elevation of our range of mountains, which encompass the Los Angeles River watershed, but above that elevation it decreases rapidly. Many a time I have stood in the sunshine on our high mountains when it was raining torrents 6000 to 8000 feet lower altitude. Investigate this and vote intelligently. Do not go to a desert for water when we have enough for 2,000,000 people perculating thru the center of our city, and which unprincipled knaves and grafters have pretended is not to be had, and kept from us in order to foist upon us a great swindle by which they can rob us of scores of millions of dollars.

Investigate the fake tunnel which the people, by faith, believe taps all the water of Los Angeles River at the Buena Vista street bridge. You will find that it is not 2900 feet long but 2300, and you will find that it is in solid rock and the end of it is 17 feet from the channel in solid rock below the bedrock. Organize and force the Council to order the fake tunnel pumped out, so that a committee of honest men may examine it and report; that we may vote intelligently on the bonds, and not by faith alone.

COMMENTS

Investigate!

In Truth we Trust.

Organize and Investigate!

This magazine is not for cowards.

Investigate the great Owens River (?) swindle.

\$23,000,000 will only be a starter if the bonds are voted June 12.

Send the guilty parties to States Prison for the ballance of their lives.

Wonder why all the automobiles went fluey on the Owens River Trip? Was it the water or the whiskey?

Owens River (?) water is the color of whiskey, from alkali, during dry summers and every few years it is entirely dry.

Don't vote on faith, but investigate for yourselves. Read the sworn testimony of people who have lived in the Owens desert and know.

From 20,000 to 40,000 miners' inches of wholesome water is perculating thru the center of our City, and Mulhollands's fake tunnel does not touch it.

Earnestly urge your friends and neighbors to turn out June 12th and vote against the great alkali desert folly which would ruin our beautiful city for fifty years.

The Los Angeles Liberal Club has dwindled down to two "parts of men" and one dog. It is too bad to let such a much needed society expire for the lack of a little horse sense.

Hundreds of people can make affidavit that the Owens desert is an alkali waste and that the so-called river is dry during very dry years when we need water the most in Los Angeles.

Every priest and preacher, negro, cholo, Mexican, Indian, Irish catholic, saloon bum and other non-property owning slave, have received orders to march up to the polls June 12th and vote for the bonds. Priests and preachers living by graft never miss an opportunity like this.

Mulholland is and always has been a creature of Fred Eaton. Whether purposely or not is to be shown, but he has spent more of the people's money and got less returns than any man in California. Many a farmer has developed more for \$150. Investigate and convince yourselves.

I wish to appoligize to all my subscribers who live away from Los Angeles for this Anti-Owens River number which will not interest you, altho it means life and liberty or slavery and death to those who live here. Sometime during the year I will send each paid up subscriber outside of Southern California a beautiful Souvinere.

A person who will take a nasty dog to a public meeting or on a street car, is not much better than the dog and should be treated accordingly.

Oh yes, Mayor Harper drank some of the winter water of the Owens River, but he had to take a drink of whiskey to get the taste out of his mouth.

There is no god, and any man who says there is, at this stage of human evolution, thereby convicts himself of being either a conscienceless hypocrite or a brainless idiot.

A man who would lie about that greatest of all Americans, Thomas Paine, and call him "a filthy little atheist," is none too good to belong with the Owens River bond swindlers.

The daily Boodle Boosters of this city have lied so much about the Owens River bond scheme that it is hard to believe anything they say. A stranger would imagine by reading them, that there were but a few votes opposed to the swindle, whereas it will be beaten nearly two to one.

Men who own no property will suffer the hard times which would follow the voting of the great Owens desert folly, because they cannot prosper unless the owners of homes prosper. True they can go away, but they had better remain here in poverty than go away from this splendid climate.

Theodore Roosevelt, a creature of graft who was elected President by money extorted and blackmailed from rich corporations, has stuck his nose into the Owens River scheme to rob the people of hundreds of millions of dollars. How much this "undesirable citizen" expects to harvest we are not informed.

Headquarters of the opposition to the great Owens River (?) water swindle were established at 735 Bryson Block May 14th. There you can find sworn statements, maps, and other truths which must show any honest man that the city is in the hands of a worse gang of thieves than the Boss Tweed Ring ever were.

Old timers remember when "Bill" Mulholland and his brother deserted from an English vessel at San Pedro and hid in the willows until she was gone, then went to work with a pick and shovel for the old Water Co. This is nothing against his character, but it shows that he is not the greatest hydraulic engineer in the world.

Judges and officers are our paid servants and should be required to wear brass buttons, uniforms and numbers, the same as street car conductors or policemen. Contempt of court should be confined to the conduct of crochety old judges who exceed their authority, and not to those who have reason to criticise their crooked conduct or drunken habits.

Job 1:9. Doth Job fear God for naught? Hath thou not made an hedge about him, and about his house and about all he hath on every side? Thou hath blessed the work of his hands and his substance hath increased in the land.—Satan.

"I work for the master," says the poor christian dupe, speaking of Jesus Christ, and little dreaming that he is a duped slave of capitalism and voicing the very scheme that they arranged for him to believe, so that he would be contented with his slavery and the slavery of his children, hoping for better luck in "the sweet by and by."

We want to know whether the promoters of the Owens River alkali folly lied eleven years ago under oath when they swore that there were 22,300 inches continuous flow of pure wholesome filtered water passing thru the sand of the bed of the river at West Glendale, or are they lying now, when they say there is no water at that point?

If a widow owned nine-tenths of the property in Los Angeles, she would not be allowed to vote on the water bonds June 12th, which, if they carry, will be a mortgage on herself, her children and her grandchildren "even unto the third and fourth generation;" while any male tramp or non-property owner—white, black, red, green or yellow—can help to mortgage it.

I once owned a wise old burro by the name of Jesus (ha-suse) who was an expert at finding water. He knew more about water than Mulholland, Otis, Eaton, and that whole gang of boodlers combined, and knew better than to go to the desert for it. He would shy away and snort if invited to drink from the Owens River in summer. Of course I don't know what he might have done if he had been drunk, as I never saw him in that condition.

If a well was dug to sea level it would never lack for water because all the water of the continent must percolate back to the sea. With our cheap oil we could pump this water at a small per cent of what the interest would be on our proposed bonds. Water is pumped at the Yellow Aster mines at Randsburg 8 miles and up 2000 feet and \$4.00 a ton ore milled at a great profit. Oil is used for making steam power and it is hauled from Los Angeles and Bakersfield by rail. Think of the cheapness at which we could pump water here, at the same time making a market for our oil.

James E. Mills, of Dickens, Iowa, who has been a subscriber for a number of years, says:

* * * I think the Procession of Planets one of the best works I ever read and certainly proves your theory true. * * * I do not publish the Leader now; if I did, I would give it and the magazine a "good send-off" every issue. * * *

Spencer Garwood, of East Liberty, Ohio, who has two of the Procession of Planets, writes of them:

* * * The first one, after the first perusal, I was so pleased that I loaned to a friend, and the same with the second volume. And they are reading them with so much interest that I hesitate to call them in; they are getting a little tarnished. Both are doing good missionary work and will bring results. * * *

J. C. Steiner, of Racine, Wis., writes in regard to *The Procession of Planets*:

* * * I studied Astronomy some, when I went to school, and was told that worlds were formed by contraction of nebulae, but no satisfactory explanation was given of the origin of the nebulae. I now tell my friends that there is a man out in California who tells how the nebulae are formed. * * *

Wm. Milburn, of Soldiers' Home, Milwaukee, Wis., says of the *New Book* when subscribing for the magazine:

* * * Well, Mr. Heald, I have received and read *Procession of Planets* No. 238, and I am well pleased with its truths, also with samples of *Higher Science*, and inclose \$1.00 to pay for same one year. * * *

There would be a thousand times more sense in giving our young friend Hatfield one million dollars a year to make it rain than to give it to thieves. He would use it honestly and would get a thousand inches to every inch that would ever come thru the 28 miles of tunnel and the 150 miles of open ditch thru the shifting sandy deserts this side of the Great Poison Lake.

Mark iv:11, 12. He that believeth and is baptized shall be saved; but he that believeth not shall be damned.—Jesus Christ.

When the Owens River scheme of robbing the people of this city of millions of dollars is beaten and we are safe from the organized ring of boodlers, grafters and thieves, do not forget the *News*, which has stood so nobly by the people in its single-handed fight without money and without price, and against all the boodle booster paid organs of the city.

I sometimes think that man needs to do more for god, than god for man, for man is more than universal being. Possibly god is one of man's limited ideals.—*The Individualist*.

Sam. xi, 3. Spare them not, but slay every man and woman, infant and suckling.—God.

The Boss Tweed gang who robbed New York for years were moderate when compared with the Owens desert alkaliars who would rob Los Angeles home owners of not less than \$100,000,000 for absolutely nothing in return. We have the finest quality of filtered water now running to waste at this end of the San Fernando Valley, and enough of it for a city of two million people; this we can double with storage reservoirs if we ever require it.

"*The Procession of Planets*," a radical departure from former ideas of the *Process of Nature*, showing the true motions of matter, by Franklin H. Heald, *Higher Science Magazine*, Los Angeles, Cal., price \$2.50, is a highly scientific book and will interest all students of astronomy. Its instructive contents are enlivened by beautiful illustrations.—*Naturopath*.

Deut. xiv:21. Ye shall not eat of anything that dieth of itself; thou shalt give it unto the stranger that is within thy gates, that he may eat it; or thou mayest sell it unto an alien (neighbor of foreign birth).—God.

B. A. Berry, of Buckley, Wash., writes, April 20th:

Dear Sir: I have just finished reading "The Procession of the Planets" by you. It was handed to me by a friend here and has come to me like an inspiration. I have never read a book on a scientific subject that was so reasonable and satisfying. I feel sure that it is the herald of a new era in human thought as applied to the study of astronomy.

One question has arisen in my mind since reading the book which I am taking the liberty herewith to ask you. Let me explain. That portion of space bounded by the sun's radiant power—the extreme limit to which matter can be thrown—is a sphere. The same is true of Alpha Centuri, Arcturus, and all other neighboring suns to our solar system. Indeed, we may liken the adjacent systems to a box filled with marbles of varying sizes. Let us consider four of these systems arranged in pyramidal form, three forming the base of the pyramid and one the apex. Now, these four adjacent systems will all be tangent externally and thus enclose, in the case of such immense systems as that of which Arcturus is the center, an almost inconceivable volume of space. It is these neutral areas about which I wish to have your explanation. It would seem, or rather it does seem to me, that in all probability the center of one of these immense "neutral areas" would be so far removed from every source of light in the whole universe as to be well described as "outer darkness." Should we believe that these are desolate wastes over which no sound ever wandered or no ray of light ever penciled an image? The answers to these questions are pressing for solution. No idle curiosity prompts their asking. I am perfectly satisfied with the Processional Theory of the planets and the masterful explanation it offers for all visible phenomena of the heavens. I cannot but think that the same theory will answer the inquiries I wish to make and trust that you will be kind enough to give an early answer.

If you answer this inquiry in your magazine, Higher Science, please send me a copy. I am not acquainted with the publication and shall be glad to have a more intimate knowledge of it. * * *

The gas expanding upward from the suns is a matter of pressure as soon as the gas from two suns meet in space, it would be forced towards the space where there was the least resistance, which would also be where there was yet no gas.

Writing for a second Procession of Planets, Dr. N. T. Harris, of Tuscaloosa, Fla., says:

* * * So he gave me the money today to get another. Now I cannot expect to get one just like the other, but of course I would appreciate it ever so much if you would send me one illuminated as near like the other as you can afford. I would also be very much obliged if you would send it right away, as soon as you get this letter, as I have a very good friend, Mr. A. Hobson, a brother of the famous Richard P. Hobson, who will be here for the next ten days, and I want him to see and read it. He is as brilliant as his brother, and likes everything good in the book line. It will be beneficial to you, as he will discuss it with his friends and more than likely take one. I would not take \$25 for it, and do without one; that's how much I appreciate the book. I knew very little of Astronomy before I read it, but find it is not a great "unknowable mystery" past finding out. I enjoy HIGHER SCIENCE very much also, and always read it over twice or more and then it goes on to others, until it is worn out. * * *

SOME OF OUR EXCHANGES

A Stuffed Club, m. E. 11th Ave. Denver, Colo. Health-philosophy.	\$ 1.00
Notes & Queries, m. Manchester, N. H., Historical	\$ 1.00
Tomorrow, m. 2238 Calumet Ave., Chicago, Ill., Reform	\$ 1.00
Arkansaw Traveler, w. New Hope, Ark. Liberal	\$ 1.00
Searchlight, m. Waco Texas, Atheist	\$ 1.00
Cosmic Light, m., Pittsburg, Kansas, Occult Science	\$ 1.00
Truth Seeker, w., 62 Vesey St., New York, N. Y., Atheist	\$ 3.00
Blue Grass Blade, w. Lexington, Ky., Atheist	\$ 1.00
Secular Thot, w. Toronto, Can., Atheist	\$ 2.00
Daily Socialist, d., Chicago, Ill., Political Reform	\$ 1.00
Worker's Advocate, m. Unity Bldg., Chicago, Ill., Economic	\$ 1.00
World's Advance Thot, m. Portland, Ore., Woman's R.	\$ 1.00
Weltmers Mag., m., Nevada, Mo., New Thot	\$ 1.00
Wilshire's Magazine, m. 200 William St., New York, N. Y., Socialist	.25
Truth About God, m. Great Bend, Kan., Atheist	.25
Examiner, t. m. Paris, Tex., Atheist	.25
Socialist Review, w., W. Hoboken, N. J., Political	\$ 2.00
Common Sense, r. 211 New High St., Los Angeles, Cal., Socialist	.50
Occasional One, m. Dunkirk, N. Y., Astrological	.50
People's Press, w., 111 Blue Island Ave., Chicago, Ill., Materialist	\$ 1.00
Appeal to Reason, w. Girard, Kan., Socialist	.50
Eternal Progress, m., 4th Nat. Bank Bldg., Cincinnati, O., Progress	\$ 1.00
Lucifer, 2w. 500 Fulton St., Chicago, Ill., Eugenics	\$ 1.00
Vanguard, 2w. 346 Sixth St., Milwaukee, Wis., Socialist	.50
Ingersol Beacon, m. Chicago, Ill., Liberal	.50
Naturopath, m. 111 Fiftyninth St., New York City, N. Y., Health	\$ 1.00
Thote of the Hour, w. 3211 E. Fourth St., Los Angeles, Cal.	\$ 1.00
Humanity, m., 1817 Market St., St. Louis, Mo., Reform	\$ 1.00
Adept, m. Crystal Bay, Minn., Astrological	.25
Progress, w. Franklin St., Los Angeles, Cal., Liberal	\$ 1.00
Vaccination, w. Cocomo, Ind., Health	\$ 1.00
True Word, m. Seattle, Wash., Mental Science	.25
Voice of the Magi, m., Waldon, Ark., Psychic	\$ 1.00
The Mighty Atom, m., 107 State St., Rochester, N. Y., Psychology	\$ 1.00
Printer's Ink, w. 10 Spruce St., New York, N. Y., Advt.	\$ 1.00
The Swastika, m., Denver, Colo., New Thot	\$ 1.00
Soundview, m. Olalla, Wash., New Thot	\$ 1.00
American Economist, w. 339 Broadway, N. Y., Banking	\$ 2.00
The Mountain Pine, m., Green Mtn. Falls, Colo., Occult	\$ 1.00
Now, m. Santa Clara, Cal., New Thot	\$ 1.00
Referendum, w. Faribault, Minn., Socialist	\$ 1.00
Reason, m., 10 Arlington St., Rochester, N. Y., Psychic	.50
Nautilus, m. Holyoke, Mass., New Thot	\$ 1.00
Ballance, m., Denver, Colo., New Thot	\$ 1.00
The Altruist, m., 1452 Webster Ave., St. Louis, Mo.	.10
The Grail, m. 2034 Seventh Ave., New York, Religious	\$ 1.00

MENTAL SCIENCE COLLEGE, BRYN MAWR, WASHINGTON.

Wanted 100 Teachers, Lecturers and Healers for active work at the close of 1907 term. College opens July 1. Positions ready for all who can demonstrate these truths. Address Prof. M. F. KNOX, *Seattle, Wash.*

The Amer. Secular Union is making a grand fight against the Womans' Educational (?) Union, which latter is attempting to have a bill passed in the Ill. legislature to have their book entitled "Readings from the Bible" introduced into the Public Schools. I am sorry I have not room for the whole bulletin which the former union sends out, but recommend HIGHER SCIENCE readers everywhere to send for it, to 141 S. Water St., Chicago, Don't forget to enclose a stamp or two. It is only a matter of time when your own state will be the battle ground of this same kind of a so-called educational movement of religious fanatics, who if they win, will gradually sink humanization again into the condition of the dark ages, when christianity had control.

The Procession of the Planets, by Franklin H. Heald, is to my mind and understanding a great book. As I have not had the time to read it carefully, I will not attempt to do more than quote the Preface, which should convey to the intelligent reader an idea of the trend of Mr. Heald's ideas, and stimulate a desire to know all he has to say on this wonderfully interesting subject.—A Stuffed Club.

The above is from one of the leading thinkers of the world, and in his line, Medical Science, the leader of the world today, that is to say, he is leading humanity out of the habit of being cut and drugged to death by the great medical fraternity "graft." The fact that he likes my book does not make him great, but it does raise the book in my estimation and also substantiates the proof that the theory is true.

Remarkable Invention.

**An Instrument that Improves and Restore
———Eyesight.———**

SPECTACLES CAN BE ABANDONED.

This instrument, which the inventors have patented, is called "Actina"—a trade mark word.

In the treatment of eye diseases the inventors of "Actina" claim there is no need for cutting or drugging the eye, for most forms of disease. Cataracts, pterygiums, and other abnormal growths can be removed and weakened vision improved or restored by the new and more humane method. If this is a fact there will be no need to go blind or to wear spectacles. "Actina" has been tested in hundreds of cases and has effected marvelous cures. So confident are the inventors that this device is an article of great merit that they give absolutely a free trial. They want everyone interested to make a thorough investigation and a personal test of "Actina." One will be sent on trial post-paid. Any person can give it a test.



They issue a book of 100 pages—a complete dictionary of disease—which tells all about "Actina," the diseases it will cure, what others think of it, what marvelous cures it has effected, and all about the responsibility of its owners—all is sent absolutely free upon request. This book should be in the library of every family. Address New York and London Electric Association, Dept. 327 R, 929 Walnut Street, Kansas City, Mo.



This Place For Sale—\$600

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. The house was insured for \$650 which is one-third its value and could not be built now at that point for less than \$2000. Murrietta is in the beautiful Temecula Valley and has the finest Hot Mineral Springs in the world. As soon as trolley cars run to it from Los Angeles, it will be a great health resort. Already the property has been improved and many houses built for the occupation of patients and pleasure seekers. Murrietta is known to be in the Artesian belt, which insures it to be a productive fruit, nut, raisin and vegetable region as the soil is excellent. The above picture was taken from the street in front of the house. This place was worth \$3000 and will be again; it is on the Santa Fe Railroad about 89 miles from Los Angeles and the same from San Diego, for further particulars address

G. W. FOX
Lankershim Blk. - - - - - Los Angeles, Cal.

(I am acquainted with this beautiful, property. It is as represented.—
Ed. Higher Science.)

NOTICE.

Arrangements are rapidly formulating among scientific philanthropists for a Co-operative Industrial Maternity Home for young women who, having become mothers out of wedlock and deserted by the fathers of their children, will take the first necessary step toward self-upliftment by placing upon the public records the full genital lineage of such children. Both children and mothers will be given the best possible instruction in sexual, social, industrial and material science, and in every way possible fitted for useful and honorable future citizenship. This is a sane, commonsense and inoffensive manner of dealing with a great evil that each day becomes more and more a menace to the nation as extremes between wealth and poverty increase and no law-abiding person, regardless of class, caste, politics or religion can fail to be interested, since the false naming of children strikes a blow at the very foundation of human intellectuality.

Send 20 cents stamps for full Descriptive Outline of the Motherlove Home to Mrs. S. E. Mooney, Assistant Secretary Scientific Social Purity Association, Corner Amabel and Dayton avenues, Los Angeles, California.

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REMARKABLE INVENTION

AN INSTRUMENT THAT IMPROVES AND STRENGTHENS EYESIGHT

Spectacles May Be Abandoned

This instrument, which the inventor has patented, is called "Actina"—a trade-mark word.

In the treatment of eye diseases the inventor of "Actina" claims that there is no need for cutting or drugging the eye in treating most forms of disease.



Cataracts, and other abnormal growths have been removed, and weakened vision improved or restored by this new and more humane method. "Actina" has been tested in thousands of cases and has effected marvelous results, many people testifying that it saved their eyesight. So confident are the owners that this device is an instrument of great merit, that they will give absolutely a free trial.

They want everyone interested to make a thorough investigation and a personal test of "Actina." One will be sent on trial, postpaid, so that any person can give it a test.

They issue a book—a Treatise on Disease—which tells all about "Actina," the diseases it will remove, what others think of it, what marvelous results it has effected, and all about the responsibility of its owners—all will be sent absolutely free upon request. This book should be in the home of every family. Address Actina Appliances Co., Dept. 327R, 811 Walnut St., Kansas City, Mo.