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APPEAL TO THE EARNEST AND THOUGHTFUL,  
AND ESPECIALLY TO THE MEMBERS OF

# The International Institute

FOR PRESERVING AND PERFECTING  
WEIGHTS AND MEASURES.

CHARLES LATIMER, Pres't.

G. R. HARDY, Treas.

LUCIAN I. BISBEE, Sec'y.

Our venerated and beloved GARFIELD,\* said, in a speech at Boston, in 1878, regarding the *Standard of Weights and Measures*: "I challenge the intelligence of any man who hears me, to think of such a thing as a *measure of length*, which has no length in itself! No; *by laws HIGHER than human legislation—length, depth, height, were CREATED*; men can only name and declare a definite length as the standard."

\*GARFIELD was the first elected President of this INSTITUTE. He took a deep interest in the cause. In his letter of declension, Nov. 29, 1879, he says he thinks he can serve the cause more effectually, and without indelicacy as an independent judge, when Congress, of which he is a part, shall be memorialized in relation to measures the INSTITUTE may bring before it.

The Rev. President Barnard, of Columbia College, gives the influence of his exalted position in favor of those measurements which were *invented* by finite man, in time of the first Napoleon—when the BIBLE was publicly burned in the streets of Paris, and the declaration made "There is no God."

The eminently learned and Venerable ABBE F. MOIGNO, of France, writes: "Paris, June 19th, 1882," in a letter to the President of the International Institute:

"It is already a long while since I promised our illustrious common friend, Mr. Piazzi Smyth, the revealer of the Great Pyramid of Ghizeh to address you my congratulations, not only sincere, but also enthusiastic, for the now well secured success of your Society, as I stand most fully convinced of your brilliant campaign in behalf of the antique lineal measures, both human and Divine, viz.: the inch, the foot, the cubit.

"Should the metre—absurd in principle (the ten-millionth part of the meridian, which varies in every part of the globe); wrong in its valuation or measurement; expensive to an excess in its making; unmanageable, without being deformed; tyrannical and barbarous in its introduction—have been imposed on all countries, my sorrow would have been inconsolable."

Every man of genuine *practical* experience realizes the absurdity and impracticability of substituting this inconvenient French metric system for our *Hereditary* system of weights and measures, which has been in use from time immemorial, and which thousands believe is wonderfully exemplified in the Great Pyramid of Egypt.

Now, the great danger lies in the encouragement given to the persistent advocates of the metric system by those who are *indifferent, unadvised* or *ignorant* of its demerits in comparison with the merits of the system to which it is opposed.

The design of Alexander H. Stephens' Bill, now before Congress is to make *compulsory* the use of the new French device in place of our present system of weights and measures, regardless of our great pecuniary loss, and the lamentable evils it would necessarily entail upon our people.

The INTERNATIONAL INSTITUTE, since its organization in 1879, has been incessantly engaged in promoting its important and beneficial objects, at the expense of much valuable time on the part of able and conscientious men at home and abroad. These men have been enabled by God's blessing to accomplish much in giving needed scientific and popular information to the civilized world, explanatory of the design and purposes embraced in this *Great Undertaking*,—through *Public Lectures*, published *Essays*, valuable *Letters*, and publication of the current PROCEEDINGS of the Institute and Auxiliaries at their fortnightly meetings. The broad field it necessarily covers, for the adequate performance of its duties, requires immense labor. The correspondence alone, with scholars and practical men in all quarters of the globe, and the collection and preparation of reliable commercial and scientific information, involve 10

small share of this labor. Add to this the executive duties connected with the work of endeavoring to establish Auxiliary Societies and Affiliated Associations, the collation of accumulating facts and data essential for their information and discussion, and it will be seen that not only a United States but an International organization becomes an imperative necessity in the prosecution and maintenance of its world-embracing principle.

The membership in America (Aug 30, 1882), numbers nearly 400, and thus far, there is not a dollar's deficit in the means of sustaining the INSTITUTE in furnishing members, every two or three weeks, the published matter of its Proceedings, besides a large and valuable CHART of *The Great Pyramid*, and occasional Pamphlets of increasing interest. One of the latter, of 48 pages, and of unusual importance, is just out of the press, ready to mail to the members.

Deeply convinced that the INTERNATIONAL INSTITUTE, for the Preservation and Perfection of Weights and Measures, is established on an impregnable basis and is an Instrument under Divine guidance for more widely promulgating economic, practical and scientific knowledge among men; actuated also by an unyielding incentive to make available the facilities of the Institution for the extension of its acknowledged praiseworthy objects, in the judicious increase of its membership to many thousands, the Executive Committee urgently request those who are already participants in the labors and benefits of the Institute, to exert themselves to induce their friends and acquaintances to UNITE with them in the good work: and in the glorious success yet to be achieved. In so doing you will have acted an important part in the work of discharging the solemn duty imposed by the *command with promise*: "THOU SHALT HAVE A PERFECT AND JUST WEIGHT; A PERFECT AND JUST MEASURE SHALT THOU HAVE: THAT THY DAYS MAY BE LENGTHENED IN THE LAND WHICH THE LORD THY GOD GIVETH THEE."

To the Divinely inspired character of the Hebrew and Christian Scriptures it will be refreshing to realize, that here is added the testimony of the Great Pyramid in support of the Bible claim to inspiration, this Pillar of Witness in the land of Egypt, Isaiah xix. 19-20, erected centuries before Moses wrote the Pentateuch, which the ARCHITECT had recorded—not in written characters, or hieroglyphics, that might or could be defaced, or mistranslated; but in characters, fixed and unchangeable as the earth's axis, the Three Great Dispensations of our Race, viz: That from the *Flood to Moses*; the *Mosaic Dispensation*; and the *Christian Dispensation*; foretelling, to a year, the birth of our blessed SAVIOUR, or, as some eminent Scholars firmly believe, to the time of the CRUCIFIXION. The Architect who embodied the truths exhibited in the Great Pyramid must have been superhumanly inspired—for there cannot be found, except in the Great Pyramid, ONE object in Nature or Art, already existing, that contains within itself proportions which give—1st, The Sun's distance from Earth. 2—The exact length to a fraction of the Solar Year. 3—The  $\pi$  proportion. 4—The length of the precessional Cycle. 5—The Earth's polar diameter. 6—The various proportions of length, breadth, etc., of the Ark of the Covenant in the Tabernacle of Moses. 7—The size of the Molten Sea in Solomon's Temple. 8—The size of Noah's Ark. 9—The 1260, 1290, 1335, and 2300 days of Daniel. 10—The exact number of years that elapsed from Adam to Noah, the Flood, to Abraham, Isaac, Jacob, the Exodus; CHRIST's birth, ministry, death; destruction of Jerusalem, and numerous other historical dates.

All these and many more are distinctly found in that ancient Monument, the Great Pyramid of EGYPT!

YES. The little inch measure is found in the *Great Pyramid*. The "Boss," or knob on the Granite Leaf in the ante-chamber is 5 inches broad, jutting out from its stone just *one inch*, and also is removed from the center of the breadth of its stone exactly *one inch*.

The Pyramid's earth-commensurated cubit is exhibited on this "Boss" of the Granite Leaf, divided into fives, for it is just one-fifth of its width. We have thus the earth-commensurated Inch and Cubit, exhibited together, five times five of the one constituting the other.

"When a concatenated chain of DESIGN is shown of the highest order of scientific knowledge, the denial of such design in the mind of the ARCHITECT, is of that class which refutes itself by the absurdity of its assertion."

## THE GREAT PYRAMID.

The Great Pyramid of Jeezeh, in Egypt, was the largest of the seven wonders of the ancient world, and was accounted the most astonishing. So far as we have information, it was the first pyramid built, and is the only one which has held the attention of mankind in all ages. The others have appeared to be mere imitations, with no idea in them.

Herodotus, the "Father of History," B. C. 484-404, is the first of writers to mention it, except some allusions in the Bible, and from his day until ours no one has known what the building meant, or for what it was built; but to all ages it has been a wonder and puzzle.

At length the solution of the puzzle was studied out, and declared to the world. In the last month of 1859, John Taylor, for many years publisher of the *London University*, London, England, and then eighty years old, after thirty years of earnest investigation, published a book entitled, "The Great Pyramid; Why was it Built? and Who Built it?" in which he disclosed the clue to all the secret meaning of the building. As one result, in November, 1864, C. Piazzi Smyth, Astronomer Royal for Scotland, started for Egypt, and lived four months, with his brave and devoted wife, in a tomb near by, while he measured the Great Pyramid within and without, with a laborious patience and accuracy which have no parallel. The discoveries of Mr. Taylor, and those made through these measurements, are among the most extraordinary of modern times. They show the building to be even more wonderful, in the ideas which it contains, than in its unequalled vastness; and fully worthy the reverent study of all serious men. These discoveries divide into two classes.

I. The Great Pyramid is found to be a grand world standard of weights and measure, for the whole globe, for all time, constructed according to the highest truth, and embodying a complete and perfect science. Indeed, the scientific knowledge which it displays, in its own field, surpasses all that has been manifested among men in that field, since Christendom began.

II. A large and increasing number of devout people believe that they have found in it a system of Bible chronology, in which the chief biblical events of the past are recorded, and the outline of what is yet future is disclosed.

A brief statement of the more striking and important discoveries of the first class may be given as follows in PYRAMID INCHES.

1. The height of the Great Pyramid is to twice the base as the diameter of a circle is to its circumference.

2. The height of the Great Pyramid is the radius of a circle whose circumference is equal to the sum of the four sides. That is, the Great Pyramid is a squared circle. But what circle has it squared? The next great fact shows.

3. Along its diagonals, that is, along the slope at the corners, the Great Pyramid draws in 10, as it goes up 9. This teaches that 10 raised to the 9th power, and multiplied into the Pyramid's height, that is, the line along which the going up takes place, will give the distance to the most notable object at which it points; that is, the distance from the earth to the sun, and which is thus found to be 91,840,000 miles. Now, this line is the radius which the Pyramid's height symbolizes, and the circle from this radius is the path of the earth round the sun, and is that circle which the Pyramid has in symbol squared. This is shown beyond doubt by the next great fact.

4. The sum of the four sides of the Great Pyramid in Pyramid inches, divided by 100, gives the exact solar year; *i. e.* 9131 multiplied by 4 and divided by 100 equals 365.24. The same is given by the circle of which the foregoing is the square. Multiply the height (equals the radius) by 2, (to get the diameter), then multiply by  $\pi$ , (to get the circumference), and divide by 100, and you have the same result: *i. e.*  $5813 \times 2 \times 3,14159 \div 100 = 365.24+$ . But within the period of written history this accurate knowledge of the length of the solar year has not been possessed by men till the most recent times. How came the builders of the Great Pyramid to possess it?

5. The sum of the diagonals of the base of the Great Pyramid, in inches, counting an inch for a year, gives the length of time of the precession of the

equinoxes, or in which the equinoctial points pass backward through all the signs of the zodiac; which period is called the Pleiades year, and consists of 25,827 solar years. The best modern computation is 25,868 years.

6. The Great Pyramid was built to commemorate the year and the day when this vast cycle began, which was the day of the autumnal equinox 2170 B. C. This is shown by the structure of the building in itself, and by the position of the sun and stars as to the earth at that time; and it is called the Pleiades year, because that constellation dominates and is most conspicuous in the combination of the heavenly bodies which form the starting point of this vast period.

7. The Great Pyramid stands with close practical exactness on the 30th parallel of latitude, that line which divides into two equal parts the hemispheres made by the equator.

8. The Great Pyramid also stands at the center of all the land on the globe; that is, of the whole habitable earth; thereby signifying that it was built for all mankind.

9. The Great Pyramid was built by those who, in pre-historic times, "divided the earth" with meridians of longitude and parallels of latitude,—the times of "Almodad," the Measurer, when a guild was named "Peleg," "Division," to commemorate the event [see Gen. x. 25-26], and being at the land center of the globe, it is perfectly placed to mark the standard meridian of longitude from which all nations should measure all meridians on the globe. Moreover, they who built it so planned and shaped it as to make it a combination of geometrical, geodesical, and stellar truths, worthy to be the grand standard of a world-system of weights and measures; and so it gives, as the base line for its system, that one perfect line—the earth's polar diameter. This line it divides into 500,000,000 parts, each one of which is only a fifteen-hundredth longer than the standard British inch. It also gives the earth's mean density as 5.7 times that of water. From these two elements the Great Pyramid unfolds its system according to the highest ideal truth. And certain close resemblances make it probable that the Israelitish and English systems of weights and measures were originally derived from it, or from those who built it.

10. From the multitude of deeply interesting facts which this building contains we draw forth but one more. The Great Pyramid gives a perfect scale for a

#### THERMOMETER,

far surpassing in fitness, for human uses, anything now possessed by men. This scale places zero at freezing point, and makes boiling point 250°. And now come out certain remarkable traits. Just one-fifth of the way from zero to freezing point is 50°, which, as the combination of the 5 with the 10, is the most perfect decimal, and which number the building proclaims with the greatest emphasis. Now this 50° just corresponds to 68° Fahrenheit, which is the "mean temperature of all lands inhabited by man," and is "that temperature most suitable" for the perfect health of man on the globe. Then multiply the 250° by 4 for the four sides of the base of the Pyramid, and we come to 1,000°, "that most notable and dividing line of heat, where it causes bodies to begin to give out light;" and which has been called "Iron Bright Red in the Dark." Multiply this again by 5 for the five sides or five angles of the building, and we come to 5,000°, the probable "melting point of platinum, the most dense and refractory of all metals."

The extraordinary harmony of this decimal scale, with the material facts in nature, places it beyond all comparison above every other scale known to man. But it has another strong excellence. Fahrenheit, the most finely graded scale now in use, has only 180° between freezing point and boiling point, while the Great Pyramid scale has 70° more. Thus, very much finer gradations of heat and cold can be read in even degrees from this scale, than from that of Fahrenheit; and as for Centigrade and Reaumer, they are too far away to be mentioned. Now this finer gradation is of great practical value to chemists, observers of the weather, and indeed all who have occasion to use a thermometer. Hence, a thermometer marked with this scale is altogether superior for human uses to any other now offered to men.

JESSE H. JONES.

## M. ABBE F. MOIGNO.

The following is translated from the French—an editorial news item in the celebrated journal *Cosmos les Mondes*, published in Paris, France:

### “NEWS OF THE WEEK.

“THE INTERNATIONAL INSTITUTE FOR PRESERVING AND PERFECTING WEIGHTS  
MEASURES.

“Our director, M. L'ABBE MOIGNO, addressed a letter in English to Mr. CHARLES LATIMER, the intrepid chief of the anti-metric crusade, a letter that we have not published in the *Cosmos les Mondes*, because the ideas that it expresses do not appear to us of a nature to be accepted in France.

“But it would be to deny ourselves not to record here the welcome given beyond the Atlantic to the courageous initiative of our intrepid chief, as we are notified by the verbal report of the re-union of the INSTITUTE of the 19th of July last.

“The enthusiastic letter of M. L'ABBE MOIGNO was read by the President himself, Mr. CHARLES LATIMER, and applauded at its conclusion by a numerous and intelligent assembly.

“ROLIN NOBLE, Esq., after a truly complimentary preamble, said: ‘I am induced to profit by this favorable occasion to ask that M. L'ABBE MOIGNO be elected an HONORARY MEMBER of the INTERNATIONAL INSTITUTE,’ which was promptly seconded by Mr. SEAPLES, and being submitted to the approval of the assembly, it was sanctioned by a unanimous vote, with a cordiality which would have filled with joy, if he had been present, the distinguished man thus honored.”

This able SCIENTIFIC JOURNAL has been under the very successful control of M. L'ABBE F. MOIGNO during the extended period of over thirty years, and deservedly possesses great influence with Scientific Societies and the learned world for its fearless independence in the advocacy of harmony between REVELATION and SCIENCE.

It is therefore a valued compliment to THE INTERNATIONAL INSTITUTE that an August number of that Periodical contains (translated into the French) the entire *Paper* of Mr. J. H. Dow, “*Proving that many important measures of the Pyramid are related to the circumference of 360° and the British Inch,*” which was originally read before our Society and published with its *Proceedings*.

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*The London Banner of Israel* publishes the remarkable letter from the Abbe Moigno to Charles Latimer, President of the INTERNATIONAL INSTITUTE, on the subject of the true meteorology of the Great Pyramid and of the Anglo-Saxon races, compared with the false metre and mensuration adopted by France and other nations of the Earth, “and which Satan also desires to impose upon our brother. Mr. Charles Latimer, and a noble band of men, have withstood the impious attempt, and from the Abbe's letter we gather that the protest has proved successful. The metre will never supersede the British, God-given Pyramid standards in America, as they certainly never will in Israel's islands of the West.”

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AIMS—HOPES.—THE INTERNATIONAL INSTITUTE will now turn its attention more directly to other departments specified in its Constitution: The perfecting and simplifying our own *Weights and Measures*; the general use of the Institute's *Delicate Balances* for saving human life in weighing powerful medicines; the establishment of a *World's Meridian*; also, an initial point of *Temperature*; the adjustment of differences between Nations. [The confederation of the *English-Speaking Powers* with that of the *German*, could command the settlement between disputing Nations by ARBITRATION, instead of *brute force*.] Last, but not least, PROOF that the *Great Pyramid of Egypt* is the “PILLAR OF WITNESS.” See Isaiah 19: 19–20.

## WHAT WE HAVE ACCOMPLISHED.

This is an auspicious period for taking a retrospective view of at least one of the encouraging results of three years incessant labor of the International Institute and its Ohio Auxiliary in Cleveland, which the Lord has so signally blessed and prospered.

It has been frankly acknowledged by brethren across the water, that the effective dissemination by this INSTITUTE, of instructive information regarding the evils of the French Metric System, through the public press, auxiliary societies, lectures, pamphlets, etc., had created a strong determination for the *extinction* of even its *permissive* use throughout Great Britain, and which subsequently was verified by an act of Parliament.

It being expedient that even more *aggressive* steps should be taken for the extinguishment of this evil in the United States, another MEMORIAL was circulated for signatures, praying Congress that *hereafter* no weights or measures, other than the Anglo-Saxon—as modified and defended by the United States—shall be used in any branch of the public service whatever, until otherwise ordered by act of that body.

The persistent efforts of those interested in imposing on our country a new and impracticable system of weights and measures, and the enormous expenditure it would entail, must be obvious to every mechanic, manufacturer, indeed to the commercial world generally.

The Bill for the compulsory introduction of the French Metric System, which has been so long under the charge of Alexander H. Stephens, was generally, through ignorance of the subject, considered unobjectionable by many members, and it was understood many votes would be given in its favor. But the International Institute fully aware of the baneful effects which would result from the compulsory use of the system, promptly and vigorously took measures to prevent its adoption.

When the Bill was brought before Congress, the members were surprised by receiving from their constituents, from all the States and Territories petitions numerously signed, praying Congress to take measures to prevent further legislation upon the subject. The members were unwilling to oppose this earnest expression of the opinions of their constituents, and the bill failing to receive their support was therefore defeated.

Thus it may be seen, that at great expenditure of money and time, this great evil to our people has been thus far avoided. The thanks of the Institute are tendered to those gentlemen in the States and Territories, who have so efficiently co-operated in obtaining signatures to the MEMORIAL. Let it be understood, however, that the INSTITUTE is not opposed to an *International Co. nage*, but to the use of the word GRAMME instead of our GRAIN.

This Institution annually receives LETTERS of great value, which emanate from some of the best minds of the age, both at home and abroad. They constitute volumes of MSS. for reference, and will be prized for years to come.

OUR TREASURER, however, readily sees the *immediate* value of a letter just received from Mr. THOMAS F. ROWLAND, of New York City, which contains this sentence: "Inclosed please find my check for \$25.00 to constitute me a *Life Member* of the INTERNATIONAL INSTITUTE."

It is hoped that those whom God has made his stewards will follow the example of Mr. Rowland, and likewise consider it a privilege to aid, according to their ability, the noble work this Institute has undertaken.

MEMBERSHIP.—All interested persons, of either sex, who desire to become members, will please send their names, occupation and address. Those who pay annually \$2.00 or MORE, will be supplied with a copy of printed documents issued by the Institute during the year; also a correct and beautiful CHART of the *Great Pyramid of Egypt*, on a scale of 360ths of an inch, accompanied with a scale. Members who do not aid the great work by money contributions, are expected to aid it by efficient personal effort. The payment of not less than \$20.00 will constitute a *Life Membership*, exempt from all other payments.

All communications to be addressed to CHARLES LATIMER, *President*, or LUCIAN I. BISBEE, *Secretary*, 349 Euclid avenue, Cleveland, Ohio.

The same argument from design which leads us to believe that the world had a personal Creator, warrants the belief that the Great Pyramid was built to serve as a monument in stone, not only of the most important mathematical and astronomical truths, but also of the deepest mysteries of God's Revelation.—The *Churchman* (Episcopalian), Jan. 18, 1878.

From the exhibition of facts, and the explanation of their correlative uses, I believe, that the elements of construction of the Great Pyramid and their use, agreeably to the intention of the architect, *have been proved*, and that these are shown to be used as the foundation of the Bible structure from the first chapter of Genesis to the closing scenes of the New Testament. It is the realization of the existence and mental workings of the Divine Mind, by means of the little primal cube and its circle, which to us are tangible realities.—J. RALSTON SKINNER, in *Key to the Hebrew-Egyptian Mystery in the Source of Measures*.

### “OUR INHERITANCE,” or “OUR CONCEIT?”

The SECRETARY OF THE INTERNATIONAL INSTITUTE recently wrote Mrs. JULIA C. R. DORR (“the Vermont poet” with whom he was personally acquainted), inviting her to become a member of this INSTITUTE. Her polite response frankly acknowledges, that after reading the “*Miracle in Stone*,” by Dr. SEISS, she fails to find what others have found there; but will read some of the records of our Society, and if converted, will communicate that result. Mrs. DORR kindly enclosed (cut from the *Boston Transcript*) a Sonnet of which she is the author; the last two lines of which are emphatically unhopeful; as she implies that it is *man's conceit* which calls for God's *Smile* or *Frown* upon those who believe the *Great Pyramid* was built under *Divine* Inspiration!

The Sonnet certainly evinces talents of high order, and is the production of a devout mind; but the two closing lines, of course, are objectionable to pyramid students.

#### A Thought.

[Suggested by reading “A MIRACLE IN STONE.”]

Oh, thou supreme, all-wise, eternal One,  
Thou who art Lord of Lords, and King of Kings,  
In whose high praise each flaming seraph sings;  
Thou, at whose word the morning stars begun  
With song and shout their glorious course to run;  
Thou, unto whom the sea lifts up its wings,  
And earth, with laden hands, rich tribute brings  
From every shore that smiles beneath the sun:—  
Thou who didst write Thy name upon the hills  
And bid the mountains speak for Thee alway;  
Yet gave sweet messages to murmuring rills  
And to each flower that breathes its life away;—  
*Oh, dost Thou SMILE, or FROWNS, when man's conceit*  
*Seeks in this pile of stone the impress of Thy*  
*Feet?*

JULIA C. R. DORR.

Rutland, Vt., August 3d, 1882.

The Secretary of the INSTITUTE took the liberty of enclosing a copy of Mrs. Dorr's Sonnet to one of our members, Mrs. A. D. T. WHITNEY, the well known author, (Milton, Mass.) who soon responded with the following very acceptable words:

“I enclose to you some lines which I felt a ready impulse to write after reading the SONNET OF MRS. DORR, which you sent me. I have had them printed in the *Boston Transcript*, that I might send MY “Arrow that self way.” I know very well that these lines *say* but a small part of what I would have said; but they put the question, at least, upon the OTHER SIDE.”

Yours very truly,

ADELINE D. T. WHITNEY.

## The Great Pyramid.

"OUR INHERITANCE"—OR, OUR CONCEIT?

God is not vague,—extemporaneous:  
He is not Lord Almighty by caprice:  
Though all be fluent to immediate touch,  
And all obedient to instant thought  
Of Power and Will that in Him are the Life,  
Yet o'er the floods of possibility,—  
The rolling waters of the worlds to be,—  
Moved that great Thought in pondering of Law;  
And held, as left hand in the grasp of right,  
The waiting Act. His awful Infinite,—  
Space without space, and Time that hath no  
term,—  
He put in measurement; made definite:  
Sent forth creation from a dread reserve,  
Causing sweet order to be slowly born,  
Instead of ruin from unstinted Force.

So in the waters laid He the great beams  
Of salt and solid chambers; so He weighed  
The separate grains of each considered earth,  
And in His measure comprehended them;  
Measured the heaven with an accurate span;  
By the pure scale and balance of His truth  
Portioned out hill and mountain; held the drops  
Of seas and rivers in His hollowed hand  
Before He let them fall to find their way  
In seeming of their free, sweet wanderings.  
Wherefore took He such counsel in that day?

Because He was to be the Lord of Hosts;  
Because His creature was to live, and know  
How absolute and righteous was His plan;  
Because there should be truth 'twixt God and  
man,  
And right 'twixt neighbor and the neighbor so,  
Because the perfect way the child must see,  
That as the Father he might perfect be.  
From such necessity,—to such dear end,—  
God wove in dust the wordless parable,  
And by calm hindrance of omnipotence,—  
Wonder of number,—miracle of line,—  
Set in each work his secret and his sign!

If, in this temple of the universe,—  
This builded revelation,—of a pile  
So reared and stretched that none may scan the  
whole,  
Or lay, as this to that, by utmost thought,  
Proportion to proportion, or convey  
Impression to impression, till he feel  
Any faint shadow of its sense complete,—  
If so, with eager, yet inadequate feet,  
We stand in entrance-ways of awful aisles  
That open through the eternal distances,—  
What word have we, if somewhere in its gates,  
Or grand foundation, or on corner stone,  
We find a graven rule and diagram  
So clear-compared with each initial known  
That none may doubt the unknown in it waits?

Because the finished pillars rise in light,  
The lines severe blossom with sculptured grace,—  
Because the arch is vast, and blue the height,  
And the great tides of music sweep the place,—  
Shall we the vouchsafed verity pass by  
That doth the whole compel and underlie,—  
DARE to deny before we understand,  
And spurn the witness of the Buikler's hand?

A. D. T. W.

Milton, Mass., August, 1882.



## WAS JOSEPH THE ARCHITECT AND BUILDER OF THE GREAT PYRAMID?

DR. J. W. REDFIELD read before the Auxiliary Society of the Institute on the 16th August, 1882, an able paper to prove that JOSEPH was the Architect and Builder of the Great Pyramid.

The interest of Dr. REDFIELD'S Lecture on "The Sacred Chronology of the Precessional Cycle in relation to the Great Pyramid" turned mainly upon its proof of the proposition that the builder of the Great Pyramid was JOSEPH. After pointing out and explaining the relations of the four sides of the Pyramid to the four Zodiacal divisions of the circle, and the relations of the most significant internal parts of the Pyramid to the grand epochs of the Historic Period from Adam to the present time, he took up the *Chronology from Adam to Joseph* in detail, as recorded in the Hebrew Old Testament, according to our English translation of it, and proved that JOSEPH was elevated to power "over all the land of Egypt" before the foundation of the Great Pyramid; judging of the date of this event by the method accepted by all Pyramid Scholars. In explanation of this statement, it must be said, however, that his results of those methods are not precisely the same as those of other Pyramidologists. His Precessional year is more nearly that of Bessel, the commonly accepted period, than that of Professor Smyth; and his date of the foundation of the Great Pyramid, as indicated by the range of its subterranean passage with *a Draconis* when this star was the pole star of the heavens, is not so near to that of Professor Smyth as to that of Sir John Herschell. In a word, his foundation of the Great Pyramid is 2156 B. C. and A. M., instead of 2170 B. C., and his elevation of Joseph to that power which would enable him to be the builder of the Great Pyramid is 2152 A. M., or 2160 B. C. This is the very date of the position of *a Draconis* as aforesaid according to both Sir John Herschell and Richard A. Proctor, but Dr. Redfield's chronology brings Joseph to power four years before this, and thus gives what may have been time enough for preparation for the beginning of the great work. The point of greatest interest in the argument was the date of the birth of Abraham, *this being the point in which his chronology differs most from that of USHER*, coming just enough short of it to make the elevation of JOSEPH and the erection of the Pyramid contemporaneous. The marginal chronology attached to our English version of the Hebrew Bible makes Abraham born when Terah, his father, was 130 years old; but the Doctor said that this position was totally untenable, and made it apparent that Abraham was the OLDEST of Terah's three sons, and born when Terah was 30 years old, rather than the youngest, and born when Terah was 130. Of course, the arguments cannot be re-produced here. The chronology of the Egyptologists, that of the Septuagint, that of the Samaritan Pentateuch, and that of Petavius and Usher, were waived in deference to the chronology of Moses, pure and simple, as understood in connection with the historical statements, and by a mind untrammelled and unsophisticated by surrounding influences.

The Doctor said he did not claim to be the original or only one whose convictions led him to the belief that the Lord had exalted JOSEPH with this additional and crowning mark of His favor—that LEWIS MILLER, Esq., of Akron, had long since advanced the opinion that JOSEPH was the architect of the Great Pyramid. Mr. Latimer, at the close of the reading, indicated his favorable impressions of the learned and exhaustive arguments presented. He stated that other distinguished gentlemen were firm believers in this view.

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Evidence places it beyond doubt, that the purpose of the building of the Great Pyramid was to preserve inviolate certain Divine truths of incalculable value.—WM. ROWBOTTOM, in *Mystery of Bible Dates Solved*.

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G. L. INGERSOLL.....	.....	Wickliffe, O..... Aug. 17, 1881
GEN. G. A. JONES.....	.....	Mount Vernon, O..... Apr. 27, 1880
DR. D. R. JENNINGS.....	319 Euclid ave.....	Cleveland..... Apr. 27, 1880
MR. EVERETT G. JONES. <i>t</i> .....	560 Superior st.....	Cleveland..... Jun. 21, 1882
MRS. EVERETT G. JONES. <i>t</i> .....	560 Superior st.....	Cleveland..... Jun. 21, 1882
H. S. JULIER. <i>t</i> .....	973 Willson ave.....	Cleveland..... Aug. 30, 1882
M. W. KINGSLEY.....	401 Superior st.....	Cleveland..... Dec. 3, 1879
GEORGE KELLEY. <i>tr</i> .....	1197 Euclid ave.....	Cleveland..... Jul. 21, 1880
ANDREW KUHL. <i>t</i>	Foreman "Leader" Job Rooms.....	Cleveland..... Sep. 27, 1882
O. W. KYLE.....	.....	Youngstown, C..... Dec. 8, 1880
CHARLES LATIMER, C. E. <i>h</i> .....	272 Sibley st.....	Cleveland..... Dec. 3, 1879
S. J. LEWIS.....	12 Dexter Place.....	Cleveland..... Dec. 10, 1879
MR. CHAS. B. LEWIS <i>t</i> .....	420 Lake st.....	Cleveland..... Mar. 17, 1880
MRS. CHAS. B. LEWIS <i>h</i> .....	420 Lake st.....	Cleveland..... Mar. 17, 1880
G. F. LEWIS.....	813 Euclid ave.....	Cleveland..... Aug. 18, 1880
MR. R. H. LEWIS.....	.....	Sandusky, O..... Dec. 19, 1879
MRS. R. H. LEWIS.....	.....	Sandusky, O..... Dec. 10, 1879
H. C. LYMAN.....	182 Clinton st.....	Cleveland..... Aug. 18, 1880
E. J. LEIGHTON (Ex. Mach. Werks)	Hamilton st.....	Cleveland..... May 25, 1881
JAMES L. LAWRENCE. <i>t</i> .....	Clarendon House.....	Cleveland..... Mar. 29, 1882
F. W. LEPREVORT.....	.....	Clinton, O..... Mar. 31, 1879
B. F. MORSE. <i>t</i> .....	City Hall.....	Cleveland..... Dec. 10, 1879
W. J. MCKINNIE.....	343 Prospect st.....	Cleveland..... Dec. 17, 1879
J. MCINTYRE.....	323 Euclid ave.....	Cleveland..... Dec. 17, 1879
W. H. MCCURDY.....	329 Prospect st.....	Cleveland..... May 12, 1880
ARCH McLAREN.....	870 Logan st.....	Cleveland..... Aug. 4, 1880
JAMES MACKAY. <i>t</i> .....	.....	Youngstown, O..... Dec. 8, 1880
REV. SAML. MAXWELL.....	.....	Youngstown, O..... Dec. 8, 1880
O. B. MAINE <i>t</i> .....	157 Water st.....	Cleveland..... Dec. 8, 1880
GEORGE MORGAN.....	77 Fourth ave.....	Pittsburgh, Pa..... Apr. 13, 1881
EDWARD MARTIN.....	.....	Newburgh, O..... June 8, 1881
WILLIS U. MASTERS.....	471 Prospect st.....	Cleveland..... Aug. 17, 1881
LEWIS MILLER.....	.....	Akron, O..... Aug. 17, 1881

NAMES.	RESIDENCE.	WHEN ELECTED
REV. M. MURPHY	32 Fremont st.	Cleveland. Aug. 17, 1881
MILES R. MARTIN	250 Case ave.	Cleveland. Apr. 13, 1881
ROBT. M. MCCURDY		Youngstown, O. Feb. 13, 1881
W. J. MORGAN	141 St. Clair st.	Cleveland. June 8, 1881
REV. R. E. MCDANIELS	359 Broadway.	Toledo, O. June 20, 1882
DR. W. S. MATHEWS		Youngstown, O. Apr. 28, 1800
ISAAC NEWTON	101 York st.	Cleveland. Apr. 28, 1880
DR. G. NEWCOMMER	40 Woodland ave.	Cleveland. Jun. 23, 1880
ROLIN D. NOBLE	Case Building.	Cleveland. Oct. 12, 1881
E. W. S. NEFF	537 Case ave.	Cleveland. Dec. 21, 1881
REV. B. T. NOAKES	1649 Euclid ave.	Cleveland. Sep. 13, 1882
C. A. OTIS	846 Euclid ave.	Cleveland. Feb. 4, 1880
J. T. PANKHURST	79 Clinton st.	Cleveland. Dec. 10, 1879
E. S. PAGE	415 Prospect st.	Cleveland. Dec. 17, 1879
WM. PAYNE	130 Bank st.	Cleveland. Apr. 28, 1880
DR. WM. PARMELEE		New Portage, O. Oct. 13, 1880
IRVIN W. POPE		Chagrin Falls, O. Oct. 13, 1880
ROBERT POTTER	323 Euclid ave.	Cleveland. May 25, 1881
H. A. POWERS	21st ward, Glenway ave.	Cincinnati, O. Nov. 15, 1881
WM. H. PARSONS	243 Prospect st.	Cleveland. Oct. 12, 1881
REV. W. H. PIERCE		Akron, O. Jan. 2, 1882
R. S. PAUL, C. E.		Akron, O. Jan. 18, 1882
GEO. PAUL, C. E.		Cuyahoga Falls, O. Aug. 31, 1881
WM. PENCE	Bethel Home.	Cleveland. May 24, 1882
JOHN N. POAGE, M. E.		Cincinnati, O. Jun. 7, 1882
MISS ADA PIPER	268 Sibley st.	Cleveland. Mar. 29, 1882
R. K. PELTON	11 Fulton st.	Cleveland. Mar. 29, 1882
E. H. PERDUE, <i>Business Man's</i> <i>Leader Printing Co.</i>		Cleveland. Aug. 30, 1882
H. L. PATTERSON	59 Bond st.	Cleveland. Aug. 30, 1882
MISS M. A. QUIRK	138 Bolivar st.	Cleveland. June 22, 1881
M. E. RAWSON, M. E.	628 Superior st.	Cleveland. Dec. 3, 1879
REV. N. S. RULISON	416 Case ave.	Cleveland. Dec. 3, 1879
ETHAN ROGERS	37 Hamilton st.	Cleveland. Dec. 10, 1879
H. C. RANNEY	789 Euclid ave.	Cleveland. Dec. 10, 1879
FELIX ROSENBERG	<i>Plain Dealer Office.</i>	Cleveland. Mar. 3, 1880
J. W. RICHARDSON	Architect, 204 Superior st.	Cleveland. Jul. 21, 1880
JAMES M. RENO, C. E.		Youngstown, O. Dec. 8, 1880
HUGH ROSS, M. E.		Galion, O. Dec. 22, 1880
F. E. RITTMAN	323 Euclid ave.	Cleveland. Jan. 19, 1881
JAMES F. REEVES	Novelty Iron Works.	Cleveland. May 14, 1881
THEO. ROSENBERG, C. E.	323 Euclid ave.	Cleveland. June 8, 1881
MRS. E. S. ROBINSON		Clyde, O. Oct. 12, 1881
DR. J. W. REDFIELD	1191 Euclid ave.	Cleveland. Oct. 26, 1881
THOS. REEVES	874 St. Clair st.	Cleveland. Mar. 31, 1880
JAS. F. RHODES	163 Franklin ave.	Cleveland. May 24, 1881
D. A. RANDALL, D. D.		Columbus, O. 1881
D. E. SHONGO		Youngstown, O. Dec. 10, 1879
PROF. STOCKWELL, Astronomer	579 Case ave.	Cleveland. Dec. 10, 1879
DR. J. W. SCOTT	364 Euclid ave.	Cleveland. Dec. 17, 1879
CHARLES H. STRONG, C. E.	1046 Willson ave.	Cleveland. Jan. 7, 1880
LEVI T. SCOFIELD, Architect	Case Block.	Cleveland. Jan. 7, 1880
C. SCHOENHUT	Strong, Cobb & Co.	Cleveland. Jan. 7, 1880
D. E. STONE	National Bank Building.	Cleveland. Jan. 7, 1880
A. STARKEY	112 Clinton st.	Cleveland. Jan. 7, 1880
B. SAUNDERS	N. Y. P. & O. 236 Harbor st.	Cleveland. Feb. 4, 1880
M. H. SHAY, C. E.		Youngstown, O. Feb. 4, 1880
S. H. SPROULS	111 Literary st.	Cleveland. Mar. 17, 1880
F. B. SAUMENIG	218 St. Clair st.	Cleveland. Mar. 31, 1880
A. G. STONE	12 Nat. Bank Bldg.	Cleveland. July 21, 1881
J. WYLIE SMITH		Cleveland. Aug. 4, 1880
E. M. STARK	566 Hamilton st (rear).	Cleveland. Sep. 1, 1880
DR. J. A. STEPHENS	404 Lake st.	Cleveland. Oct. 13, 1880

NAME.	RESIDENCE.	WHEN ELECTED
REV. M. L. STREETER.....	Ravenna, O.....	Oct. 13, 1880
Z. S. STOCKING.....	155 Prospect st. ....	Cleveland..... Oct. 13, 1888
MR. A. M. SEARLES. <i>tr</i> .....	326 Sibley st. ....	Cleveland..... May 25, 1881
MRS. A. M. SEARLES. <i>tr</i> ....	326 Sibley st. ....	Cleveland..... May 25, 1881
T. S. SANFORD. <i>t</i> .....	716 Wilson ave. ....	Cleveland..... Oct. 12, 1881
PAUL C. SINDLING. <i>t</i> .....	364 Superior. ....	Cleveland.....
MRS. M. A. SPRINGER. <i>t</i> ....	1191 Euclid ave. ....	Cleveland..... Feb. 1, 1881
THOS. SANFORD. <i>h</i> .....	349 Euclid ave. ....	Cleveland..... May 10, 1882
MARY B. SANFORD. <i>h</i> .....	349 Euclid ave. ....	Cleveland..... Aug. 16, 1882
J. RALSTON SKINNER. <i>h</i> ....	110 Broadway. ....	Cincinnati, O.....
REV. GEO. F. STEARNS. <i>h</i> ....	.....	East Rockport, O..... 1880
H. SABINE.....	Com'r. R. R. & Tel. ....	Columbus, O.....
JOHN TODD. <i>t</i> .....	344 Prospect st. ....	Cleveland..... Dec. 10, 1879
E. B. THOMAS.....	95 Water st. ....	Cleveland..... Jan. 7, 1880
H. C. THOMPSON, C.E. <i>t</i> ....	323 Euclid ave. ....	Cleveland..... Oct. 13, 1880
C. L. TAMBLING. <i>t</i> .....	.....	Oberlin, O..... Mar. 25, 1882
JOHN VIAL, M. E. ....	91 Liberty st. ....	Cleveland..... June 23, 1880
DR. J. P. VAN EPPS. <i>h</i> .....	.....	Cleveland..... Dec. 22, 1881
JOHN WHITELAW, C. E. ....	37 Granger st. ....	Cleveland..... Dec. 3, 1879
THOMAS WANN.....	95 Water st. ....	Cleveland..... Dec. 17, 1879
FRANK WILSON.....	122 Cedar st. ....	Cleveland..... Feb. 17, 1880
N. B. WOOD. <i>tr</i> .....	1 Fairfield st. ....	Cleveland..... Apr. 17, 1880
MATTHEW WRIGHT, M.E. ....	N. Y. P. & O. Shops. ....	Cleveland..... May 12, 1880
J. T. WATERSON.....	267 Scovill ave. ....	Cleveland..... May 12, 1880
L. T. WALRAVEN, C.E. ....	323 Euclid ave. ....	Cleveland..... May 12, 1880
HON. THO. H. WILSON.....	.....	Youngstown, O..... Dec. 8, 1880
G. S. WHEATON. <i>t</i> .....	Room 4, 9 Public Square. ....	Cleveland..... Dec. 22, 1880
WM. F. WILLIAMS. <i>t</i> .....	.....	Mineral Ridge O. May 25, 1881
MYRON C. WICK.....	.....	Youngstown, O. May 25, 1881
HENRY WICK.....	.....	Youngstown, O. May 25, 1881
R. C. WILSON.....	102 Public Square.....	Cleveland..... Jan. 18, 1882
FRED. C. WEIR. M. E. <i>t</i> ....	Burnett House.....	Cincinnati..... Dec. 22, 1880
W. F. WALWORTH.....	107 Public Square.....	Cleveland..... Feb. 4, 1880
GEO. H. WADSWORTH. <i>t</i> ....	323 Public ave. ....	Cleveland..... Feb. 3, 1882
JOSEPH WELLSTED. <i>t</i> .....	23 Chestnut st. ....	Cleveland..... Feb. 3, 1882

## PARTICULAR NOTICE.

Perhaps some members do not consider the fact that the \$2.00 annual dues do not cover the EXPENSE OF THE CHART AND PRINTED MATTER supplied to them. Nor the further fact, that independent of the chart, the printed matter alone furnished each member yearly could not be purchased for the amount of the annual dues; and it is doubtful if some of the important facts and information given could be obtained other than through the Institute.

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**LUCIAN I. BISBEE, Secretary,**

349 Euclid Avenue,

CLEVELAND, O.