RASON 'I'ORCH OF

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FREEDOM.

Revised for the Torch of Reason. IVE us the freedom of the skies, The latitude of freedom's range, Hope's rainbow hues that circling rise. Relief from dead creeds, and the change And splendid growth that comes with time! Oh, give us these, break bolt and bar! And we may know a fame sublime And spotless as a shining star.

Give us the liberty from creeds That blind the mind's divine desires, Making us serfs to selfish deeds, Destroying all the fervent fires Of hope and love that burn within-Give us such liberty and we

Shall walk no more the paths of sin, But as great gods forever be.

Emancipate us from a land Where vassals bow to God and Greed, Constrain us with no tyrant's hand, But let us rise and quickly speed

To realms where Freedom with her key Unlocks the doors of Thought and Truth-

Per chance with such great liberty 'We may find the fount of youth.

And finding it man's mind might blend With other spirits in cur land,

And on to Time's eternal end Shall forward travel hand in hand,

And heart with heart, new truths to claim, New glories find, new thoughts to see,

And with fair Freedom's deathless flame Know more and more of liberty.

Oh, give us freedom as we go Onward into the Silent Land; With liberty we feel and know,

With freedom we may understand;

And when time shall destroy the chain

the signet of a god. We well lesser than the greater. know that in nature there are no interpolations nor misinterpretations. It comes to us fresh and es the simplicity which nature de- see comparatively inert matter new, unsoiled by the hands of self- mands, and we can trace its opera- awake from sleep to whirl in the ishness or deception. If we read tion down from the great suns restless activity of sentient organaright from its pages, and it clearly wafted on its wings, to the crystal- isms. But there is no necessity of contradicts any pretended revela- ization of a solid from a solution, calling to our aid an external force. tion, we are assured that such reve- and the infinite movements of the We see that it possesses the living lation is an imposture, no matter living organization. Motion is ever forces. When placed in the proper if descended from immemorial time the same, directed in different chan- circumstances, its before dormant and half the world bow to its dic- nels and fulfilling different mis- powers awake under the new order, tation.

rect observation the avenue to the iron bands world to world, and sun animal can not be distinguished mysteries of causation. Such is to sun, in the grand network of so- from the lowest plant, and the lowthe philosophical code.

upon this planet, everything nurs- traceable in the mutual attraction a central axis. But this plant lives, ed and petted in the past as truth between atoms in solution arrang- and its life is the same as that of is severely scrutinized. He has the ing them in definite forms; in affin- the ox, the deer, or of man. The mental crucible which digests solar ity, the attraction and repulsion of plant is simply an animal without systems, and extracts the pure particles. It perhaps may appear a nervous system, and consequentmetal from the dross. He calls un- startling that the forces which cre- ly devoid of feeling. All the funcprejudiced observation to his aid, ate the crystal are living forces; but tions of the animal, except that of and by it unlocks the gates of mys- the data are many which support the nervous system, are strictly tery. First he observes the regu- such a conclusion. In the lower vegetative; secretion and excretion, larity of phenomena, which tells order of animals, where life nearest absorption and assimilation, are him there is no chance; that like approaches the mineral, the form identical. Some philosophers claim causes produce like effects, yester- and skeleton of the animal conform that an impassable chasm exists day, today, and forever. All idea to the laws of crystalline growth, between the organic and inorganic of chance is utterly excluded. There as the plates of the sea-urchin, the worlds; but where is it to be found? is an observed order never disturb- rays of the asteria, and the calcareed; organic and inorganic matter is ous framework of the coral, and the mutual interchange of relaruled by an undeviating method. even in the higher mammalia, the That method he terms law, because it is similar in its tendency to artificial enactments. Still no force or RUE, science has been so lit- power is expressed; the modus operandi is concealed; he is baffled in wrongly interpreted, that this direction by the portentous its facts could not previously be sentence,"Thus far and no farther." successfully arrayed against the Turning, he inquires, What is matprejudices of the biased mind. But ter? Was it ever created, or is it every day has brought new light, eternal? What is its constitution? and forced the conviction that the After surveying the entire field, he last battle must soon be fought on reasons thus: Matter is eternal, strictly scientific grounds. Theolo- as far as a finite mind can congy has been constantly frightened ceive. This is an axiom lying at by the revelations of nature. When the very foundation of nature. It Galileo contradicted its assertion is to him self-evident. In opposi- lary tube to lift it higher than its that the world was flat and the tion to this view, the theologian level. center of the system, its throne brings the creative fiat of God! But seemed ready to crumble, and each what does he assume? The selfnew development of mind has bat- existence of God! How can he anthe pertinent question, swer

worthless trash, no matter if it bear omatic that it is easier to create the herent principle of life, the devel-

lar and stellar systems.

bones always are crystalline, being admitted as living. formed of elongated crystals which motion in the terrific winds, which grow in their cartilaginous beds lash the heaving billows of the precisely as they would in a solution. The petrifaction of wood differs not materially from the growth lation? Has it not its sympathies of bone. The mysterious process of absorption in the plant or animal does not differ in the least from absorption in the mineral. The same force which takes up a fluid through walls of animal membrane causes chalk and other porous minerals to absorb a fluid, or a capil-The process of secretion, though intricate in character, can be imitated with mineral walls instead of living tissue. These facts may be regarded as faint proofs, but it can not be denied that they furnish the clew — the footprints to the law ganic. Life of necessity depends being? on the mineral. It is breathed Admit that God, by a special act

opment of which is seen in every living organism. Creation is con-Motion innate in matter possess- stantly going on around us, and we sions, nevertheless the same, wheth- and the so-called inert matter be-Nature interpreted by reason is er aggregating the particles of salt comes living matter. Life is not the ultimate test of all truth; cor- in a cubic crystal, or binding with necessarily sentient. The lowest est plant grows as a crystal enlarg-Now the philosopher has stepped Life is born of motion. It is first es in solution, by the elongation of If life in its general aspect is but tions, then matter itself must be Has it not ocean, and in wild magnificence walk onward amid ruin and desoand antipathies in the relations existing between the different elements of the chemist? Has it not its attractions in the world atoms it sends on their mighty orbits? With what anxiety we watch the agitated needle as it trembles beneath the concussions of the northern lights! And how astonished are we at the play of the contending electric and magnetic forces between bodies differently charged! Assuredly if this is not life, it has all the appearances of being. Life is individualization, and when the crystal forms from solution after a definite model, is it not an attempt at individualization? Is it not the first step towards an organized

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That binds us to the years that be, May mind, and heart, and hands, and brain Know Death's eternal liberty.

The Natural Origin of Life.

BY HUDSON TUTTLE.

tle understood, and nature so tered it with unparried blows.

Slowly the light has dawned, and Whence came the Omnipotent Bemen of unfettered minds now feel ing who could create the Universe that the true philosopher must not from nothing? The mystery said be guided in his interpretations of to involve the Godhead has little binding the organic to the inornature by any theory or bias of weight against the demonstrations others. But as a little child, free of science. To the calm mind it from prejudice, he must walk is vastly more rational and prob- forth and sustained by it. out into the field of causation and able that the universe, with all its observe and theorize for himself. suns and worlds teeming with liv- of creation, formed man out of the What has been said, what written, ing beings, is the result of blind, dust; then it must be received as a before his day, should appeal to his fortuitous chance than the creation correct deduction that matter has judgment; if true, it should be re- of a being capable of creating it by the capability of becoming a living ceived; if not, be cast away as an effort of his will; for it is axi- being. Then it must possess an in-

If there is not life in matter, from whence is it derived? How is the inorganic matter rendered capable of supporting the living being? These are questions which must be met if the popular idea is sustained. But they can not be

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