coast suffered severely at this time. ductions do not fairly represent Haeckel has intimated in his me that idea holds hard." The Aug. 27, 1893, ravaged the coasts of Louisiana, Florida, Georgia and South Carolina, being most severe land

such awful catastrophes. Would friend's Nebular Hypothesis. we be wise to build the L. U. O. in should any one build a home there? with dark, winding gaps, which relate, which must be understood We would not be afraid to "go to RUN into endless branches which before we can know the genesis or Texas" for a short time, nor to are like the ROOTS of a gigantic motion of any part of any star Alaska, but we should certainly tree:" Rotate, just rotate, this star- system. plan to LIVE where chances for life haze tree, with its endless branches are greater and where prayer is like roots, according to the Nebular esis (origin) of our sun and solar more apt to be answered.

The Nebular Hypothesis vs. The Nebular Theory. Please Don't Foreclose the Universe.

Continued from 3d page.

"NEW suns, under the pressure of gravitation"—all of which is "ALL ula haze is the utter opposite of It is premature to pretend that we nothing but a gassy haze. He will BUT visible." Ah! but not quite anything possible under the rotat- have a "theory," that is, a "scien- certainly have provided that hopes We will wait to see how orbs of ing Nebular Hypothesis. And if tific solution," instead of an 'hypo- and promises by which he has inpale fire(?) which already exist the separate stars rotate with their thesis," that is, only a speculation tuitively inspired man shall not can be made "new suns" by a condensing nebula, then, as said or conjecture, while we hunt and fail, and cast both God and unigradual compaction of a whirling above, the continuous nebula is wait for these facts and their laws. verse into "moral bankruptcy." motion "under the PRESSURE of gravitation." Should this mechanical jumble of "pale fire" ever become not only "all but," bu really "visible," one would bet tempted to suffer the "horrors of is absolutely impossible. immortality" in waiting to see it.

Now, all of this incoherent verbiage is supposed to be realized by by "the strange Trifid nebula in running into ENDLESS branches like which "contains the whole potency but how can gravity alone "comof a future system of suns and pact!" and rotate it at the same worlds." Then, as a climax, we are told that this endless rootbranched tree of haze "held the seed of humanity, awaiting its time to sprout and spring up and grow into the beauty of the "image | ulæ is filling it with human astroof God!" Thus man came from the seed of this tree, which is still other fancies just as groundless. in the sky!

Serviss ever emitted this nonsense. Wettstein should be imposed upon by it. It only shows how neces-

ended in and by each separate sun

fails to touch the real difficulties sion. In the meantime, the facts or questions of the subject, for not and laws of equivalent correlation this, the only fact really tried to a single one of these nebulæ, and make sure the durability of our be stated in the whole article, viz., not a single star, can be seen to rotate. We do not know yet that a Sagittarius," which is described as single sun but ours has even a "a HAZE, sprinkled with stars and planet. The force that can rotate CHANNELED with dark, WINDING gaps haze, endless-branched or not, is hard to conceive. It might float in the roots of a gigantic tree," and a vortex, as Descartes supposed,

The supposed morphology of star clusters and constellations has, in and men. The morphology of neb-Until we get hold of the lines of changes or forces which determine

It was a similar storm that on Prof. Serviss, is clear to us from "Weltrathsel," we must get hold of Theologians have been quick to his interesting article in the New the relation of ether to matter, and see their advantage in this matter York Journal last fall, in which acquire a new notion of its origin, of sentiment, which they know in the latter State, where 1,000 lives he illustrates Prof. Newcomb's and formations, attractions and repul- dominates mankind. When this the Lick telescope discoveries by sions. This, he says, is the problem hypothesis was put out a century an interesting diagram of the for the next century. The solution ago by La Place, it was Atheistic. Newspaper readers are familiar Milky Way and of our sun's of the Milky Way and the wonders His oft-quoted reply to Napoleon's with the awful accounts of cyclones, course on its grand course to join of star forms and motions must question, why the name of God apblizzards, lightning, water spouts it with Lyra. He shows how our wait till then, and after, and and earthquakes. Why not live sun may become a happy member perhaps forever. In view of the reported to be, "Because, Sire, I where one can go to bed at night of that constellation, or pass on to immensity of these subjects, the have no need of that hypothesis." without fear of flood, wind or other "universes" in the infinity of Nebular Hypothesis is simply a This reply has done as much as lightning. WE would be very space beyond. All of which does childish fancy; a reflexion of the anything to make him immortal, pleased to have all not at all comport with the cool- dogma of creation, and of the eastour readers learn the remedy for down and die-out idea of our ern cycles, and just as groundless. logs were driven out of their old Let us try to imagine a "haze works itself. Every motion is the "epochs" for days, and evolution as such a storm region? Then why sprinkled with stars, channeled result of a mighty equivalent cor-

Man may never know the gen-Hypothesis, until it produces a system. It may have been the "system of suns and worlds," that condensing of nebulæe, the atoms is, suns and planets! The "seed of of which were the "first born" of humanity," "the image of God," the ether under forces like light may be in it; but not even the most and electricity. It may have been, Almighty God, with all eternity as Lockyer and Proctor plausibly for the job, could rotate the "end- suppose, the gradual aggregation of less branches" of a star-sprinkled comets, meteors and nebulous dust, So the Theologs argue, that God haze, or of endless "winding gaps." which have left their "pock marks" and yet gradual "compaction" into This star-sprinkled, endless root- in the moon; it may have been all branched, winding-gapped tree neb- of these ways combined, and more. and social instincts to end in What we do know is the statics, "For then, Oh! how you will need rotating out its own planets. In and largely the dynamics, of our our God and Savior?" The Chrisany view of the nebulæ presented own solar system; and by the law tian judgment day is thus only in this article, the Nebular Hypo- of equivalence of changes we are postponed; it is to be! You will thesis is a conjecture of that which getting at a theory which will explain the facts and general laws of itself, in its final earth and sun-But, lastly, the whole article coelestial gravitation and repulearth and sun for time beyond our power of computation, as first above intimated. This is all we need to know in order to begin to realize our human and Earthly Paradise.

But not to know that the earth and man have a practical eternity before them, and to be told that in snort or long time Humanity will have a freeze and then end in a burning nebula, has a depressing effect. No human ever reads Herthe past, filled the sky with beasts bert Spencer's "Essay on the Nebular Hypothesis," or his conclusion of his "First Principles," without logy of endless-branched trees and feeling that the universe, instead of "God Almighty," is passing the sentence of death upon man and We decline to believe that Prof. the cur.ents and correlations of the his earth and race. To sensitive people it gives a chill. One of our It is more like the echo of a "spirit" the MOTIONS, and therefore the leading and best Liberals wrote me seance. The surprise is that Friend forms of nebulæ, stars, suns and recently his thanks for what I have comets, we are all at sea in the heretofore said on this subject, thus: sary it is never to let any "theory," not be explained separately, but too, as I am inclined to think dise." For the race will some day nebulous, spirituous or other, over- only in and by their relations and NoTHING IS WORTH WHILE, because go up in "smoke and catastrophe,"

No sun, star, nebula or comet creation story and substituted the mode of creation, this final catastrophe of a freezing earth falling into the molten sun suited them right well. Our Friend is surprised that said article ends with the "image of God;" but that is logical, and means that there is and will be a God to look after his "images" and manage the business when, as the old hymn said:

> Dies iræ, Dies illa, Solvet Sæclum in favilla. Day of wrath, that dreadful day, When this earth shall melt away.

will certainly not have evolved this world and man with his moral meet it when you die, and the race baptism of fire!' Science is thus made to confirm those "fundamental moral and religious intuitions and beliefs," claimed to be of a higher validity than any merely material Science. The earth and our home are thus turned into a place of probation, and then into a scientific and natural hell, from which one can in nowise escape. Thus hell, which had gone out of fashion, is now discovered to be the new scientific corner-stone of a heaven "somewhere," and the gods, devils and priests have us at their mercy again!

This may be laughable to the real scientist, but how few of such there are! This utterly groundless. hypothesis has now become the last refuge of theology, and so of priesthood, and so of moral, religious and political despotism, and so of all of the consequent obstructive wars, misery and deviltry on this earth; and at the same time the end of all hope of any real social celestial spaces. These bodies can- "It was one of the things I needed, progress or of any "Earthly Parawhelm our common sense. That movements as vast inter-related some day it will all go up in smoke and you will be judged INDIVIDthis article and our friend's de-systems. In order to do that, as or catastrophe, and way down in UALLY; and altruism, sociology and