SOPH DABAR.

Last Word on Philosophical Problems in Popular Lectures, delivered in the B'nai Yeshurun Temple of Cincinnati, by Isaac M. Wise.

LECTURE XIV.

THE ORIGIN OF SPECIES.

LADIES AND GENTLEMEN, -The earth's surface, as far as emerged from the ocean, is covered with the multifureous offspring of Flora, which were misnamed vegetable kingdom. The desert spots and bare rocks are the exceptions, patches on the gorgeous vestment of mother earth, bedecked with all colors and floral shapes. These vegetables take out of the atmosphere the superfluous carbon, and return oxygen in grate-ful exchange, to sustain animal life. Without the vegetable, not merely as food for the animal but also as the regulator of the at-mosphere, animal life could not exist on this globe; for the animal can not subsist on inorganic matter, and not breathe an at-mosphere overcharged with carbon. It is on account of the absence of trees and other vegetables in desorts and large cities, that In the course many diseases prevail. of · creation, the vegetables (algae) preceded the lowest forms of animals (radiates, mollusks and articulates). The next higher class of preceded the fishes. vegetables (acrogens) The conifers made their appearance before the reptiles and birds, the cycads before the mammals, the dicotyls and palms before man. The table was spread and the house well perfumed before nature invited her guests to the sumptuous meal.

When, during the carboniferous age, the carbon in vast quantities separating from the atmosphere sustained a profusion of gigantic vegetation on the young earth, i. e. creation's third day of cosmic light, the vertebrates began to appear on earth, beginning with amphibies, other reptiles and birds, progressing to the mammals, and from them to man, exactly as the Bible has it, in a regular chain of succession, in which no link is missing, betraying a preconcerted device of differentiation and development from the lowest to the highest, so that man appears the ultimate and preconceived object, when the first algae and radiates came into existence

This point, I believe, hardly admits of any difference of opinion, as far as human knowledge and judgment reach. Whether the device was in the Creator's intelligence, or whether nature herself, in a human sense, as also Mr. 'Darwin personifies her, works consciously and intelligently or unconsciously and casually can not change the intel 'd harmonious progression. before us: in the fruitful lap of mother earth. It merely effacts the jature of the first cause, which we discuss in a future lecture. Here the main question is, how did the numerous species of vegetables and animals come into existence?

Hitherto, only two solutions of this problem have been advanced. The first is this. The vital force has originally been differentiated in various forms of the lowest types, in correspondence to the conditions offered by the earth's surface and atmosphere. The conditions of one geological age being exhausted, a catastrophe, universal, or local, forth new and n worsble con

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hence the combat for subsister from human history, is worthly in the origin of species. You see Mr. Darwin's hypoti of us as inneh implicit faith as dogma dees. For if we had as to believe the unilmited varial combat for existence and sub factor, we would ny |exp factor, v also the 1. Th

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re-sequence by that sequered to is thus made permanent. So me avortions of the milimals they produced types, species and war This is all very postion, on beautiful. There is no objection who focial inclined to believe all theory, still let him beau in the terms of the theory of the terms. we all these who tools inclined to believe all these hype theore, still let him bear in mind, that he believes the Darwinian hypotheses as the orthodox church member believes the doy mas of his creed, on, the near ground is apparent probability, beyond which M Darwin gith all his learning and powert mind proves nothing. It may be, in som

I, on my part, am satisfied at present to know, that Mr. Darwin without my accepth e ing his hypothesis, must support my' main 1 principle of biology. He must admit the existence of vital force, for he admits the beginning of life on this globe with func-1 8 tions and manifestations entirely different and distinct from inorganic matter and its forces. He goes far beyond necessity in this point; for while inorganic matter can no wise change itself into any other in thing, the organic beings do perpetually change themselves by their inherent laws, which means inherent force, for which none can give a better name than vital force. He furthermore must admit that vital force 9 is differentiated and individualized in every organism, as each of them independent of all others can acquire new habits, instincts, e organs and members of the body, and make another creature of itself, merely by its inherent law or force. Next he must admit that this vital force is psychical and not physical; for it desires, wills, feels, is conscious, intelligent and free, each of which is psychical. Being in perfect harmony with Mr. Darwin in the principle of biology, b without his hypothesis, our difference of opinion reduces itself to the question of the あむ origin of species, which is a question of cosmology, not under consideration just now. In cosmogony itself, science has come to 9 hypotheses, suppositions and uncertainties only, as the nature of a science where ideas . can not be compared with their realities makes it necessary. Hence I beg leave not to decide the main question here, which 1 ե ե after all reduces itself to this: In the origin of species, the vital force was active cosmic and outside of the organism; or in its differentiated state within the organism. Most likely both are right and both are wrong to) l a certain extent, and one-sidedness is the sin of either. I will discuss this question under another caption. Here I beg leave -------in conclusion, to call your attention to Mr. Darwin's optimism, all which is, in the organism, is, was, or will be useful; hence he admits will, intelligence, design and proper execution in nature outside of all organ-Here begins the momenteous quesisms. tion of teleolgy; is there in this universe e -t outside of all organisms will, intelligence, We have ardesign and proper execution? rived at the inner court of the sanctum of philosophy, duly cleansed of as many prejudices and lawfully prepared to open the) scaled book of efficient causes and final causes, first and last cause, on which all questions of religion, moral, government, education, the whole fabric of society deh b pends. I will begin next Friday evening to discuss the question of teleology.