

not the case, however, as evolution is a slow process, but the signs of the times indicate a crisis with the incoming of the twentieth century. Freedom of thought, and courage to express it, is witnessed in all lines of advancement which are based upon intellect. Even theology is moved to revise Church creeds in order to harmonize with more liberal demands. Church disciplines bearing upon amusements are leaving that question to the individual conscience, which is a step forward towards evolution, freedom of thought and self-reliance.

This writing is not intended to be presented before a society for hurried discussion. Therefore I will venture to introduce some doctrines in evolution that cannot be demonstrated to the satisfaction of physicists. In former writings I have based my investigations upon evolution of the laws and principles which are most familiar in physics, because *electricity*, with its interchangeable phases, is the one important energy that is apparent in all conditions of matter, vegetable or animal, and of all stands out most prominent in mind, will, intellect, etc. Up to the present time I have endeavored to avoid the present crisis as above mentioned, trying to convince opponents that the laws which direct the formation and support of organic bodies, even to imparting to each organ of the body consciousness and instinct to perform its specific functions in harmony with the life in the body. Such recognition has not been considered. We have before us more than fifteen years of Dr. Miller's labors, which are placed to his credit, and are recognized as scientific by readers of dental literature the world over. To make this more emphatic, Dr. Williams and Dr. Black have endorsed his conclusions, which gives assurance that the whole ground has been covered. Discouragements have been placed as barriers to further investigations, by statements that there is no proof to the contrary.

Now let us step from the laboratory to the operating room where, in discharge of duties, we are permitted to learn of the "*inner life* of teeth as well as to their environments." Remember we limit our subject to "developing, or young teeth," teeth that are in the active process of building, or still under the influence of pulp consciousness, so let us consider for a moment what this implies. It means life-energy not only in tooth pulps, but in every organ of the body. Life in a body is *the* active principle, the common centre; under its commissioned organs, every need of the body is supplied; consciousness is imparted to the pulp of a tooth to build it that it may fit its proper place in the dental arch, also to correspond with its kind upon the opposite side of the jaw.

The pulp of a tooth is an internal organ, and maintains that