

heavenly bodies, or the reciprocal influence of human beings upon each other. The discovery of a widely operative principle like that which while it "Moulds a tear and bids it trickle from its source," at the same time "preserves the earth a sphere, and guides the planets in their course," is like a red-letter day in the calendar of his mind's growth; and whether as in the instance given, it touches the material side of things, or like the law of heredity which makes us "the heirs of all the ages," it goes deeper and touches the "spirit in man which giveth him understanding," its cognition is a supreme joy, and itself a *pou sto* from which a new purchase may be taken.

What we know as the sciences of Chemistry, Physics, Botany, etc., are nothing more than the imperfectly distinctive names given to different directions in which investigation proceeds. It is quite wrong to suppose that the universe is mapped out into mutually exclusive areas for purposes of research, as an unexplored territory may be divided. Every so-called science overlaps every other; and this is as true of the so called physical sciences as of the metaphysical and of the members of each group in relation to the other. For *knowledge is one*; and there is no so-called material problem which has not a spiritual side to it. It is true that every scientific principle admits of a practical application, and no sooner does a Faraday discover the laws governing induced magnetic currents, than an Edison applies this knowledge to the construction of an electro-motor. We have no fault to find with the utilitarian application, but we would insist that from the only true point of view—that of man's getting closer to the heart of things,—the apprehension of a principle is the main thing. Of course, the great mass of mankind will never apprehend and never value the principle as such; but this is only to say that the masses are developed on the material side only;—a fact too freely acknowledged by us to cause any surprise. They will, however, fully appreciate the practical application; will run their sewing machines and fans by electricity, and will invest their capital in railroad stocks, and hope to realize big dividends.