millions; the longest life may be spent in examining the enormous mass of phenomena presented by the fossils in the crust of the earth. Again, the study of Anatomy is no longer confined to the description of the human form, but has branched out into the comprehensive subjects of Comparative Anatomy and Microscopic Anatomy. A like change has taken place in other departments of the Natural Sciences, so that fields which but lately were barren wastes, now yield a bountiful harvest, and afford work to inquiring minds. Nor has the germ of all this activity been without an influence in other fields of knowledge remote from these. The scientific method has been introduced with success into the study of Language; it has penetrated into the departments of Comparative Philology, History, and Archæology; and even mental and social phenomena a 3 measured by its standard guage, and subjected to its searching treatment.

Having thus glanced briefly at some of the main divisions on the map of science, it is well not to leave this part of the subject without guarding against the supposition that the various departments are unconnected and independent of each other. Distinctly bounded they may be, as also remote from one another, and apparently without connection. Still they have many interests in common; and their advancement largely depends on alliances and concerted action amongst them all. In certain cases this mutual dependence is immediately apparent. In the Physical Sciences, for instance, laws of great generality connect the several branches; and in the establishment of the various groups of principles embodied in the several classes, each department derives assistance from the other, and all are indebted to Mathematics. A corresponding relation exists among the various divisions of the Natural Sciences. Moreover, between departments of science apparently unconnected there are points of contact where each acts to the advantage of the other. The history of Science is filled with examples of this inter-connection. Even such divergent subjects as Physiclogy and Comparative Philology have experienced the advantages of union; so also have Comparative Philology and History, Physiology and Psychology; whilst from the combined discoveries of Physiology and Optics, the department of Opthalmic Medicine has been enabled to advance during the last twenty-five years in a manner that is unparalleled in the progress of the healing art. That the inter-dependence in question is generally recognized by scientific men the world over, the continued existence of scientific