EDUCATION AND RESEARCH

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To-day's program implies that I speak on the educational influence of the Mount Wilson Observatory. In education, a research foundation proceeds less consciously than a university. Without students in the technical sense, it has little concern with instruction. Its task is rather to procure information, which, rearranged and somewhat diluted, serves, among other ends, as a reagent for converting the uninstructed into cultivated human beings. The obligation to set forth its results is admitted; nevertheless, the chief business of a research establishment is investigation, and by its success in this undertaking its educational force finally is to be measured. Important conclusions soon become interwoven with the thought of the time; conclusions, however, must be provided.

The observatory is known as a place where the sun, stars and nebulae are studied with telescopes of great power. It is less known as the Mount Wilson Observatory of the Carnegie Institution of Washington. That, however, it is—one of a group of research units maintained by the Carnegie Institution. The educational influence of the observatory is to be appraised with this organic relationship in mind.

In 1902 Mr. Carnegie placed in the hands of trustees a large sum of money, which, with later gifts, appropriations from the Carnegie Corporation and accumulated reserves, yields income for the institution. The Congressional Act of Incorporation sets forth the purpose: "to encourage in the broadest and most liberal manner investigation, research, and discovery, and the application of knowledge to the improvement of mankind."

Study of the means of providing such encourage-