

# SCIENCE :

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It has been well said, that the poorest day that passes over us is the conflux of two eternities: it is made up of currents that issue from the remotest past, and flow onward into the remotest future.

On the 27th of June, 1829, an event took place which was to have a marked influence on the intellectual development of the United States, for on that day James Smithson died at Genoa, Italy, bequeathing his whole fortune to the citizens of the United States, in trust, "*for the increase and diffusion of knowledge among men.*"

On the 6th of December, 1838, President Van Buren had the satisfaction of announcing to Congress that the claim of the United States to this legacy had been fully established, and that the money had been received by the Government.

The question then arose, what plan could be devised to carry out the intentions of the testator. In other words, how could "the increase and diffusion of knowledge among men" be best accomplished.

One of the first proposals for utilizing the Smithsonian fund was a scheme of founding a university of high grade, to "teach Latin, Greek, Hebrew, Oriental languages, and other branches of learning, including rhetoric, poetry, laws of nations, &c." Fortunately, such counsel did not prevail, and after nearly eight years of debate, and even a proposal to return the money to England being voted on, a bill was passed by Congress organizing the Smithsonian Institution on its present basis.

Such, briefly stated, was the origin of the Smithsonian Institution, and in memory of its founder the present Secretary, Professor Spencer F. Baird, directed Mr. William J. Rhees to compile a biography\* of James Smithson, this work being one of the most recent publications of the Institution.

The general scope of this work is good, and it must be admitted that some account of the establishment of this Institution was called for. We must, however, express our regret that such an elaborate description

of Smithson's aristocratic connections was presented, especially as the history would have been equally complete without this superfluous addition. The connection of the "proud" Dukes of Northumberland and Somerset with Smithson was hardly of a nature to be recorded in a form which should constantly bring the facts before the present generation and posterity.

The circumstances of Smithson's birth cannot be ignored, but there is no reason why they should be paraded before the public; we therefore would have dispensed with the portrait of the first Duke of Northumberland in this volume, and relegated the history of his life and death to the highest shelf in the Smithsonian Library.

Stript of such surroundings, the memory of Smithson must ever be dear to the people of this country. He was a man thoroughly imbued with the spirit of true science, and an active and industrious laborer in one of the most interesting and important branches of research—"mineral chemistry." His happiest hours were spent in the laboratory, where he carried on a series of experiments, which were recorded in the transactions of the Royal Society of London and other scientific journals of the day. Such being the direction of Smithson's scientific pursuits, we trust that the advancement of the physical sciences may claim the attention of the officers of this institution, and that they may be more duly represented in future reports.

Since the death of Smithson, Chemistry has attained a higher rank among the exact sciences. New methods and instruments of analysis have been introduced, while other branches of science have advanced at an equal ratio. New means "for the increase and diffusion of knowledge among men," have come to light, and among these the production of improved scientific manuals, and the increased number and excellence of scientific periodicals and journals, may be mentioned as having largely contributed to such results. Science at the present day is no longer monopolized by a select few, but is claimed as the common heritage of the thousands who have the intelligence to appreciate its value in developing the highest faculties of man.

Thomas Carlyle considered that "to know the divine laws and harmonies of this Universe must always be the highest glory of a man, and not to know them the highest disgrace for a man." This Journal represents one of the latest attempts to place at the disposal of all interested in scientific pursuits and human progress, a weekly journal worthy of the subject discussed. We are glad to find that our efforts have been appreciated, and the constant receipt of letters of welcome, co-operation and aid, increases our hopes for the future. Among our latest subscribers, we find three residing in Japan, one in Lucknow, India, another in New Zealand, and the directors of the Royal observatories of Brussels, Lisbon, and Rome have added their names. If "SCIENCE" is thus in demand in foreign countries, we trust to find our home subscription list rapidly increase, which will enable us to enlarge and improve the journal in various ways, thus adding to its usefulness.

Lord Brougham observed, that to instruct the people in the rudiments of philosophy, and to obtain

\* James Smithson and his bequest, by William J. Rhees, published by the Smithsonian Institution, Washington, 1880.

