

his work without expectation of honours or rewards. The integrity, simplicity and gentleness of his character was recognized no less by his professional colleagues than by his personal friends, and the news of his death called forth many expressions of sorrow and regard, from both private and official sources, at home and abroad. His deep interest in the work of The Institution was maintained to the end, and he has bequeathed to it a sum of money which, in accordance with the directions of his will, has been applied by the Council to provide for a series of biennial lectures on those branches of engineering with which he was principally associated.

Mr. Vernon-Harcourt was elected an Associate of The Institution on the 5th December, 1865, and was transferred to the class of Members on the 19th December, 1871.

FRANK WILLIAM ARNOLD, born on the 15th April, 1873, obtained his scientific training at Mason College, Birmingham, and the Royal College of Science, London, and his practical experience in the works of Messrs. William Brown, Ltd., Engineers, Birmingham. He showed considerable ability in the prosecution of his studies, and amongst his scholastic successes he gained a Whitworth Exhibition, a National scholarship and the Associateship of the Royal College of Science, besides taking honours in various scientific subjects. In 1893 he entered on a teaching career and was successively science master or lecturer at the Birmingham Municipal Technical School, Northampton Institute, Clerkenwell, Chesterfield Grammar School and Municipal Technical School, and Middlesbrough High School. In 1905 he was appointed by the Indian Government principal of the School of Engineering, Dacca, Bengal, where he found fuller scope for his abilities. He was engaged in superintending an electric installation for the college buildings, when he was taken ill, and his malady being of a serious nature, he was ordered home, but a relapse occurred at Calcutta, and he died there on the 4th July, 1907, aged 34.

Mr. Arnold was elected an Associate Member of The Institution on the 11th April, 1899. In the following year he contributed a Paper on "The Adiabatic Expansion of Wet Steam"¹ to the Proceedings.

¹ Minutes of Proceedings Inst. C.E., vol. cxi, p. 221.
