

tion of local institutes, believing that the necessities of the case were met by institutes of a national character, and hence he took no part in connection with the Chesterfield and Derbyshire Institute of Mining Engineers. The erection of the Stephenson Memorial Hall was also in opposition to his views, and he declined to assist it by a contribution; but on the day when the building was opened, he forwarded a cheque for £100, for the purpose of providing a supply of books for the Free Library of the borough, which was located in a portion of the building.

The poor always found a warm friend in Mr. Markham, and for several years he forwarded donations to provide Christmas treats for the inmates of the Chesterfield Union Workhouse, and the children in the Industrial Schools. In 1880 he gave a donation of £1,000 to his native town of Northampton, to found a "Markham Memorial" in memory of his parents. By Mr. Markham's wish, the money was devoted to providing prizes for Board and other Schools in Northampton, and to adding to the Free Library. Mr. Markham became some years ago the purchaser of Tapton House—where the last days of George Stephenson were spent—and he then removed from Brimington Hall to Tapton House, where he afterwards resided.

Towards the end of 1887, Mr. Markham's health began to fail; and the death, shortly afterwards, of a son to whom he was much attached was a blow from which he did not seem to rally. He died on the 30th of August, 1888, in his sixty-sixth year.

Mr. Markham was elected a Member of the Institution on the 6th of April, 1864.

JULIUS PAZZANI was born on the 16th of June, 1841, at Brunn, Austria, where his father, who was a Greek by birth, had settled on becoming a naturalized Austrian subject. The younger Pazzani was educated at the Imperial Polytechnicum of Vienna, and in due time passed the principal examinations. In 1861, he entered the service of the Imperial Continental Gas Association as junior assistant at their Erdberg works, Vienna. In 1868, he became Engineer of the Belvedere works of the same company, also in Vienna, which he entirely reconstructed, and greatly extended, insomuch that of what he found there, nothing remained in a few years. In 1880, Mr. Pazzani was transferred to the Rotterdam station of the Association as Chief Engineer. Here he rebuilt the Delfshaven works, and generally reorganized the business of the company. Four years later, in 1884, he was

removed to Amsterdam, also as Chief Engineer, with the special mission to construct two new gasworks, and to lay new mains and services all over the town. In this capacity Mr. Pazzani successfully carried out all the difficult and delicate negotiations involved in repiping a city of 400,000 inhabitants, being exposed, moreover, to the hostility of the old gas interest, which it was his business to supersede. Mr. Pazzani just lived long enough to complete this undertaking, the first station being put into operation in September 1885, and the second or Amstel works in the course of 1887.

Mr. Pazzani's death was very sudden. On the evening of the 20th of October, 1888, he visited a friend, and on returning home complained of feeling unwell. He rapidly became unconscious, and died at seven o'clock the next morning—the immediate cause being a paralytic stroke.

Mr. Pazzani was elected a Member of the Institution on the 11th of January, 1887, and was also connected with the Gas Institute and the cognate bodies in Germany and Holland. In addition to being a notable engineer, Mr. Pazzani was a most amiable and accomplished man. He was a specially-skilled linguist, speaking with facility German, English, French, Italian, and Dutch.

WILLIAM ROGERS was the eldest son of the late Ebenezer Rogers, of Abercarne Vach, Abercarne, Monmouthshire, and was born on the 5th of February, 1843. At the age of sixteen, he entered the Ebbw Vale Ironworks, and went through the various shops, being afterwards engaged as an assistant in the engineering department.

Leaving these works in 1863, he was engaged for eighteen months as Assistant Manager under the late Mr. S. H. Blackwell, at the Russell Hall and Corbyn Ironworks in Staffordshire, and upon the branch railways connected therewith. Having by this time acquired a considerable knowledge of the manufacture of iron, and an amount of useful experience in the construction of iron-work generally, which proved invaluable to him in the varied works which he had subsequently to carry out in foreign countries, he, in 1865, went to Australia. For a period of six years from this time he found employment upon the railways, waterworks, and other public works in the Government of South Australia, first as an Assistant Engineer, then as Resident Engineer in charge of the surveys and construction of the Port Wakefield and