

For years he worked at Chinese most thoroughly, and he leaves a large collection of Chinese books. Latterly he devoted a great deal of attention to the gyroscope and wireless telegraphy, and up to the day of his death he showed his unfailing interest in scientific matters by discussing the Einstein theory.

In his Cambridge days he threw himself energetically into boating, and joined the Rifle Volunteers. He was also a great walker, and in his vacations explored North Wales most thoroughly, especially the Snowdon district. Throughout his life he was blessed with excellent health, and never had a serious illness till quite the end. He passed away peacefully in his sleep on 1919 December 8, only two days before his friend Mr. C. T. Whitmell.

In 1869 he married Eliza Walton, who died two years ago. He leaves one daughter, Mrs. A. ffoulkes.

He was elected a Fellow of the Society on 1880 November 12.

JAMES LAW CHALLIS was born on 1833 October 4th at Papworth Everard Rectory, Cambs., being the only son of the Rev. James Challis, F.R.S., Plumian Professor of Astronomy in the University of Cambridge. He was educated at Marlborough and at Trinity College, Cambridge. He took his degree as fifteenth senior optime in 1856. After taking his degree he acted as assistant to his father at the Cambridge Observatory. He was appointed to the curacy of Arrington, near Royston, in 1858. In 1859 he accepted the curacy of All Saints, Huntingdon. In 1860 he was presented to the living of Papworth Everard by Trinity College, which he held till 1879, when he was offered the living of Stone, near Aylesbury, in the gift of the Royal Astronomical Society. Mr. Challis was for many years Rural Dean of Aylesbury and was associated with much of the Oxford diocesan work. He was a devoted parish priest and greatly beloved by his parishioners. His winter evening lectures on Astronomy, given in the parish room, were always greatly appreciated—he considered the giving of these lectures a duty he owed to the Royal Astronomical Society. In 1916 he resigned the livings of Hartwell and Stone (the livings had been united in 1902) and came to live at Exmouth, where he died on 1919 November 11. He was taken to Stone for burial and laid to rest under the shadow of the church he loved so much, and which had been beautifully restored through his untiring energy. He was elected a Fellow of the Society on 1879 November 14.

JAMES COOK was born at Lancaster, 1839 June 15. He was engaged upon his father's farm before he attained his teens, but being well educated as training went in those days, he was attracted to astronomy at an early age. He commenced the construction of telescopes, and was later encouraged in this work by the friendship of James Nasmyth and the appreciation of Lord Lindsay. He was very successful in his optical work and produced fine reflectors up to 18 inches aperture and some small