

'An inquiry such as Mr. Spottiswoode has entered upon will, by the aid of high mathematical analysis, lead us to this kind of conclusion. We are looking at a range of mountains; we examine not merely their present direction, but their magnitude and weight. We consider, therefore, each range in its length, its height, and consequently its magnitude and weight, and by the calculus of probability we arrive at the conclusion that some particular line exhibits the direction in which the greatest amount of force has been applied; and that is assumed as the typical direction, or the direction in which nature has applied an elevatory force in the greatest and most general way.'

There is no need here to add to the many and weighty tributes which have been paid to the services to his generation both as a man of science and a philanthropist which have won for Mr. Spottiswoode a place among the honoured tombs of Westminster Abbey.

PROCEEDINGS OF THE ALPINE CLUB.

General Meeting, May 1, 1883.—Professor BONNEY, F.R.S., in the chair. Mr. CHARLES R. SHORE was elected a member of the Club. Professor BRYCE, D.C.L., M.P., delivered an address upon 'North America as a Field for Mountaineering,' which was illustrated by large maps kindly lent for the occasion by the Royal Geographical Society. A discussion followed in which Mr. CRAUFURD GROVE, the Rev. F. H. HANAY, Messrs. HOWARD BARRETT, W. R. BROWNE, BAILLIE GROHMAN, and C. T. DENT took part. A cordial vote of thanks, on the motion of the President, was accorded to Professor BRYCE.

General Meeting, June 5, 1883.—Professor BONNEY, F.R.S., in the chair. The Rev. THOMAS J. PROUT was elected a member of the Club. Mr. CLINTON DENT read a paper on 'Mountaineering in the Old Style,' giving an account of some expeditions made in the Saas district in 1871, and more particularly of the first ascent of the Sudlenz or Sudlenend Spitz by the author in that year. The paper was illustrated by a sketch map and by an enlarged copy of one of Mr. Donkin's photographs of the Saas Grat from the summit of the Dom, in which the Sudlenz Spitz is very clearly depicted. The PRESIDENT, Mr. GROVE, and others made some remarks at the conclusion of the paper, and an enthusiastic vote of thanks was accorded to Mr. DENT.

ANNUAL SUMMER DINNER, June 6.—The annual summer dinner was held at the 'Ship Hotel,' Greenwich, at 7 o'clock, about 30 members of the Club and their friends being present. The weather was fine, and the special steamboat which had for the first time been provided for the occasion was accordingly patronised by the great majority of the members both in going and returning from Greenwich, and much appreciated.

Errata in last Number.

Page 318, line 9 from bottom, for 'dreary' read 'heavy.'
 " 242, " 6 " " " " 'Grandes Montées' read 'Grands Montets.'