

geological systems are given, which add greatly to the lucidity of the general descriptions. Woodcuts in the text are numerous; such as the one annexed, indicating the relation of the Rhætic and Liassic deposits near Bergen (Bavaria) with the effects of mechanical dis-



LIAS IN THE ACHEN VALLEY.

(The ravine marks the end of the Rhætic beds.)

turbances and of denudation on the less durable beds. The author also succeeds in giving an intelligible account of the Flysch, and shows very clearly that it represents a special 'facies' of a group of strata, rather than a deposit of exactly one age; for its horizon (if the term be permissible) alters somewhat as it is traced through the Alps along its outcrops. For instance, on the most eastern side of the Northern Alps the Flysch begins in the later part of the Cretaceous and ends in the Lower Oligocene, while nearer to the western side of Switzerland it does not begin before the Middle Eocene. Dr. Fraas, however, is not able to add much to our knowledge of the source and mode of transport of the singular erratic blocks, which are abundant in the Flysch at certain localities. It would be easy to mention other matters, handled clearly and well, but it may suffice to say that, subject to the criticisms made above, which after all affect only a very few pages, the book indicates much care and research, and will be found useful by all who desire information on Alpine geology clearly expressed and in a convenient form.

#### PROCEEDINGS OF THE ALPINE CLUB.

A GENERAL MEETING of the Club was held at the Club Rooms on the evening of Tuesday, February 7, 1893, Mr. Douglas W. Freshfield, President, in the chair. The following candidates were balloted for and elected members of the Club:—Harold Anthony Beeching, John Norman Collie, Marmaduke J. Dixon, Henry Selby Hele-Shaw, William Richard Lester, Frank Loftus Littledale, A. D. McCormick, William Wilson Naismith, George Stallard, Rev. Walter Weston.

The HON. SECRETARY and TREASURER presented the accounts for the year 1891, which were unanimously passed.

The PRESIDENT referred to the retirement of the late Hon. Secretary, and said he was sure that every member would wish the records of the Club to bear a formal expression of their indebtedness to Mr. Schuster for the valuable and indefatigable services which he had rendered. He had, therefore, great pleasure in moving 'that a vote of thanks be passed by the Club to Mr. Schuster for his services to the Club and for the many improvements he had introduced into its management during the time that he was Honorary Secretary.' This was seconded by the late President, Mr. HORACE WALKER, and carried by acclamation.

Sir FREDERICK POLLOCK read a paper on 'An Ascent of Tucuche (Trinidad),' after which a short discussion ensued, in which the HON. SECRETARY, Mr. HORACE WALKER, and General BLANCHLEY took part, and on the motion of the PRESIDENT, a cordial vote of thanks was accorded to the author.

A General Meeting of the Club was held at the Club Rooms on the evening of Tuesday, March 7, 1893, Mr. Douglas W. Freshfield, President, in the chair.

The following candidates were balloted for and elected members of the Club:—Captain Hamilton Bower, Joseph Collier, Rev. Joseph Sanger Davies, Rev. Arthur Cleveland Downer, Rev. Walter Brocas Lindesay, Rev. Walter Forbes Low, Hugh Thomas Munro; Francis W. Oliver, Mark Pole, Percival Arthur Leonard Pryor.

The thanks of the Club were voted to Mr. C. E. Layton for the relief map of the chain of Mont Blanc which he had presented to the Club, and which is referred to on page 404.

Mr. C. G. MONRO read a paper, 'Across the Border, Val d'Ollomont and Val Peline,' which was illustrated by some admirable sketches drawn by his climbing companion, Mr. O. G. Jones. At its conclusion he was congratulated by Mr. DENT on his entertaining account of really valuable work, and after a few remarks from Mr. JONES, to which Mr. MONRO briefly replied, the PRESIDENT proposed, and Sir REGINALD CUST seconded, a hearty vote of thanks to him.

A collection of Signor Sella's recent photographs were on view in the Club Rooms after the meeting, and were much admired.

A general meeting of the Club was held at the Club Rooms on the evening of Tuesday, April 11, 1893, Mr. Douglas W. Freshfield, President, in the chair.

The following candidates were balloted for, and elected members of the Club:—Herbert Elliott Marsh, R.N., Robert Smith Mushet, and George Edward Wherry.

Captain ABNEY read a paper on 'Winter and Summer Photography in the Alps,' at the conclusion of which he showed by means of lantern-slides a very large number of most interesting photographs, proving how great the capabilities of the hand camera are. Owing to the lateness of the hour a very short discussion ensued, in which Messrs. THOMPSON, PRESTON-THOMAS, and the PRESIDENT took part, the proceedings terminating with a unanimous vote of thanks to Captain Abney.

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*Errata in February Number.*

Page 311, line 6 from bottom, *for passés read passé.*  
 " 341, " 9 " " " *for peaks read peak.*