

MR. WHYMPER'S EXPLORATIONS IN THE ANDES.—In my itinerary it has not been possible to include any reference to the results obtained on the journey. Amongst the principal may be mentioned:—

1. A series of angles taken by theodolite for the positions of the great peaks.
2. A series of observations of mercurial barometer for the altitudes of 110 places, and numerous observations by aneroid for intermediate points.
3. Observations on the boiling-point of water at great elevations, in comparison with readings of the mercurial barometer.
4. Observations on blood-temperature at great elevations.
5. A series of 100 photographs, including negatives of the summits of Chimborazo and Cotopaxi.
6. Collection of rock specimens, including samples of the rocks from all the highest points attained.
7. Zoological collections, amounting to about 8,000 specimens (probably about 1,000 species), including butterflies, beetles, &c., from 16,000 feet. Locality and altitude recorded in every instance.
8. Botanical collections from the highest positions visited; localities and altitudes recorded.
9. Collections of antiquities, amounting to more than 500 specimens, principally in pottery and stone.
10. Collections to illustrate the products of the country.

E. WHYMPER.

MOUNTAINEERING WITHOUT GUIDES.—The numerous splendid ascents without guides achieved of late years by some of the more enterprising members of the Club seem to have stimulated the zeal of their foreign rivals. A proof of this is the long list of expeditions in the Eastern Alps made by the brothers Zsigmondy (alone, or occasionally with a friend, but without guides) between July 14 and September 18 last. Among the more remarkable ascents are those of the Cevedale, Königspitze, Ortler (from the Hochjoch, descent to Sulden 16 hours' walking from the Il Pastore hut in the Zebruthal), Fusstein (first ascent from Alpein), Olperer, Hochfeiler, Thurnerkamp, Rossruckspitze (first ascent from north), Dreischusterspitze, Gross Venediger, and Gross Glockner.

ACKNOWLEDGMENTS.—Mr. Craven has received for the 'Christian Inäbnit Fund' (page 366), and forwarded to Grindelwald, the sum of 88*l.* 6*s.*, contributed by members of the Club and their friends.

PROCEEDINGS OF THE ALPINE CLUB.

A General Meeting was held on January 31, 1882, Professor Bonney, F.R.S., *President*, in the chair. Messrs. Gerald Balfour, Benjamin Cotton, Walter S. Gibson, Legh S. Powell, G. Chetwynd-Stapylton, H. Chetwynd-Stapylton, A. Gurney Smith, Major J. W. A. Michell, and the Rev. F. M. Govett, were elected members of the Club.

Mr. D. FRESHFIELD, in the absence and on behalf of Mr. F. POLLOCK, *Honorary Librarian*, called attention to the extraordinary list of books

and periodicals (over seventy in all) missing from the Club Library, of which only some half-dozen had been returned since the issue of the printed list appended to the notice of meeting.

Most of the books missing had been taken from the Club-rooms since the autumn of 1880, when the library was last completely gone through and catalogued. It was impossible to say whether they had been stolen by some outsider, who had found his way into the rooms, or borrowed under a mistaken notion of their rights (defined in Rule xx.) by members, who had failed to restore them at the Secretary's summons. Whatever might be the cause of the recent losses, it was obviously impossible for the Club to submit to their continuance, or to apply its funds to the replenishment of the book-shelves of private individuals. And no member would be found to undertake the onerous post of Librarian if his efforts to form and maintain a complete Alpine library were liable to be thus defeated. No special library of the kind existed in London, and it would be a real misfortune if the growth of the Club library were checked and its completeness destroyed.

Unless the recent losses were shortly accounted for and made good, the Hon. Librarian would be compelled to ask the Committee to put all the books in locked cases, and to allow access to them only during a few hours in the week, when an attendant could be in charge, or to adopt some other equally strong measure of precaution. It would be a matter for regret if the facilities at present enjoyed by members had to be curtailed, but some such measures would be inevitable if the illicit removal of books and periodicals from the library continued.

Mr. BLACKSTONE, speaking from his experience as one of the librarians of the British Museum, concurred in the remarks and suggestion just made. The losses referred to had a most prejudicial effect in preventing members from presenting valuable books to the Club.

Mr. TUCKER, late Hon. Librarian, said it was most disheartening to find that the efforts made by himself and Mr. Pollock during the last two years to form a complete collection of Alpine books, with a corresponding catalogue, should have been partially defeated. The books must be rendered inaccessible to purloiners, or it was useless to have a Club Library at all.

The PRESIDENT hoped that the members present would take to heart the remarks that had been made, and spread them amongst their friends. Many of the volumes missing were valuable, and some had from lapse of time become almost irreplaceable. He trusted that the consciences of those who had 'conveyed' them from the shelves of the Club might yet be touched, and the books restored.

Mr. PILKINGTON read a paper entitled 'The Jungfrau from the Wengern Alp to the Aeggischhorn without Guides;' after which a discussion took place, in which Messrs. Walker Hartley, Freshfield, Moore, H. B. George, and the President took part. A cordial vote of thanks was, upon the motion of the President, accorded to Mr. Pilkington for his most interesting paper.

A General Meeting was held February 28, Professor Bonney, F.R.S., *President*, in the chair. The Hon. Secretary and Treasurer submitted the accounts for the past year to the Club. The President congratu-

lated the Club upon the satisfactory state of the Club Finances, and, after a few remarks from Mr. Dent, the accounts were approved, *nem. con.*

Mr. Donkin read a paper upon 'Photography on the High Alps,' and exhibited his Alpine photographic apparatus. A large collection of Alpine photographs, taken by Mr. Donkin during the last four seasons in Switzerland, was also on view. At the conclusion of the paper, Messrs. Freshfield, Marcet, Trotter, Heywood Smith, Whymper, and the President spoke. Mr. Donkin having briefly replied, an unanimous vote of thanks was accorded to him by the members present.

A General Meeting of the Club was held on April 6, Professor Bonney, F.R.S., *President*, in the chair. Messrs. G. Percival Baker and Francis Warner were elected members of the Club.

Mr. C. T. DENT read a paper entitled 'An Old Friend with a New Face.' The paper, which consisted of an account of the ascent of the Aiguille du Midi, by Mr. Maund and the writer, direct from the Pierre Pointue by the N.E. arête and face, was illustrated by a sketch and route map. At the conclusion of the paper the President and Messrs. Maund, Abercromby, C. E. Mathews, Wm. Mathews, Moore, &c., made some remarks, to which Mr. Dent briefly replied. An enthusiastic vote of thanks was, on the motion of the President, accorded to the author at the close of the discussion.

Errata.

Page 361, line 9 from bottom, *for* 'W. side' *read* 'E. side.'

Page 421, line 12. The peak climbed by Mr. Hutchison lies south of the Col de la Bûche, and is really a pinnacle of the Charmoz.