22 hrs., of which barely two hours were devoted to halts. The Hjörund fjord district is a most fascinating one for the mountaineer; and since clean beds and good food have taken the place of the dirt and starvation which fell to the lot of earlier climbers, mountain exploration is now proceeding very rapidly. The mountains themselves, which are composed of gneiss, whose beds dip down from N. to S. at an angle of about 45°, remind the writer very much of the Coolins, in Skye, only the corries hold glaciers, and in place of valleys, generally there are fjords and tarns. True it is also that the inhabitants, who are the descendants of twa canny Scots who married Norsk girls and repeopled this district after its complete depopulation by the 'Black Death' in the fourteenth century, can testify that they know what rain is.

WM. CECIL SLINGSBY.

ALPINE NOTES.

GAPING GHYLL (YORKSHIRE).—On May 9 Mr. E. Calvert, and on May 10 Messrs. E. Calvert, T. Gray, T. S. Booth, J. A. Green, S. W. Cuttriss, and Lewis Moore, made the descent of this well-known chasm by means of ropes and windlass. The exploration of the main cavern at the bottom led to the discovery of passages leading from the two extreme ends, and at the tops of the great slopes of fallen rocks. Another cavern was found along the N.W. passage, and a branch of the S.E. passage followed for some distance, but the limited time at the disposal of the party did not permit of very extensive explorations.

On May 23 to 26 Messrs. Calvert, F. Ellet, Booth, Green, Cuttriss, J. W. Firth, and W. Cecil Slingsby conducted explorations along the main S.E. passage, and discovered another great cavern about 150 ft. deep, which was descended. The passage continued beyond the cave and was followed as far as possible, the distance from the main cavern being about 550 yds. Other members of this party were Messrs. A. Barran, G. T. Lowe, L. Moore, R. Smith, W. Ramsden, F. Holtzmann, C. Scriven, and B. Mason, several of whom descended to the main cavern while the explorers were at work in the passages.

The descents were made from the end of a small cave a few yards N. of the main hole (referred to in the 'Memoir of the Geological Survey of Ingleborough,' p. 37). M. Martel's descent and all previously recorded attempts were made down the main hole.

A GOLDEN WEDDING IN THE ALPS.—Our readers know well that Christian Almer, of Grindelwald, has made a great number of 'new expeditions' in the Alps, but probably none of them was so original, and yet so appropriate, as that planned and carried out by him on the occasion of his golden wedding—an ascent of the Wetterhorn by himself (aged 70) and his wife (aged 72). Even more remarkable is the fact that Frau Almer had never before

Digitized by Google

climbed a great snow mountain. The energetic old couple were accompanied by their eldest daughter and two of their younger sons, Hans and Peter, as well as by Dr. Huber, one of the medical men of Grindelwald. The party also included a photographer and his two porters. Starting from Grindelwald on Saturday, June 20, they spent the night at the Gleckstein Club hut, as well as the whole of the Sunday. Soon after midnight on the 22nd the actual ascent was begun, and so pluckily did Frau Almer climb on this her first *grande course* that at 6.20 A.M. the whole party attained the summit. Unfortunately wind and great cold prevented a long stay there, but the golden wedding party was well seen by their friends below, and was successfully photographed on the highest snowy crest by the artist who had accompanied them. The descent was safely effected and Grindelwald regained the same evening, other photographs of the party having been taken in the Club hut.

It will be remembered that Almer was a member of the first party which, in 1854, made the first ascent of the Wetterhorn from the Grindelwald side. He was then a young married man, but even he could scarcely have anticipated that forty-two years were to elapse before his better half stood with him on that summit. While offering our heartiest congratulations to both him and his wife, it is impossible to refrain from a special expression of admiration for the energy of Frau Almer, who by this expedition showed that she had lost none of the trust she had placed fifty years ago in the faithful husband whom she then took 'for better, for worse.'

AN EXPEDITION TO THE HIMALAYAS.—We understand that Dr. M. Günther, of Berlin, is going to the Sikhim Himalayas next year. The aims of the expedition will be much the same as those of Sir Martin Conway in the Karakorams. Dr. Günther would, we believe, be glad to hear from any English mountaineers who would like to join him.

LIBRARY.—The following additions have been made since August 1895:—

C.A.I. Milan. Annuario, 1882–4.
Le Valle di Saint-Barthélemy. E. Canzio et F. Mondini. C.A.I. Turin, 1895.
Rev. Joseph McCormick. A Sad Holiday. The Matterhorn Accident. 8vo. Pamphlet. 3rd edition. London, n.d.
Climbing in the British Isles. II. Wales. (W. P. Haskett-Smith.) Ireland. (H. C. Hart.) 8vo. London, 1895.
Règlement des Guides de Chamonix. 8vo. Pamphlet. Bonneville, 1889.
Mrs. Bray. The Mountains and Lakes of Switzerland. 3 vols. 8vo. London, 1841.
Bollettino C.A.I., No. 61. 1894.
Guide de la Ville d'Aoste. 12mo. Aoste, 1894.
Guida di Pré Saint-Didier. 12mo. Aosta, 1895.
Guida di Courmayeur. 12mo. Aosta, 1895.
Itinéraire du C.S.A., 1871. 1876–7. (Presented by M. Montandon, Berne.)
Bourrit (M. T.). Nouvelle Description des Glaciers, Vallées de Glaces et Glacières. Nouvelle édition. 3 vols. 8vo. Geneva, 1787.
Chaix (Emile). La Topographie du Désert de Platé, Haute-Savoie. 8vo. Pamphlet. Geneva, 1895.

Digitized by Google

Gonella (F.). Ascensioni del Duca degli Abruzzi, 1894. 4vo. Pamphlet. Turin, 1895.
McCormick (A. D.). An Artist in the Himalayas. 8vo. London. 1895.
Parsons (Alfred). Notes in Japan. 8vo. London, 1896.
Guides Joanne. Suisse, 1 et 2. Paris, 1895.
Wundt (Th.). Wanderungen in die Ampezzaner Dolomiten. 2nd edition. Stuttgart, &c., 1895.
Viollet-le-Duc (E.). Mont Blanc (Geological). Trans. B. Bucknall. 8vo. London, 1877.
G. C., Esq. A Picturesque Tour by the New Road from Chiavenna over the Splügen. London, 1826.
Hering (G. E.). Mountains and Lakes of Switzerland, &c. Folio. London, 1847.
Roscoe (Thos.). The Tourist in Switzerland and Italy. 8vo. London, 1830.
Marsh (H.). Two Seasons in Switzerland. 8vo. London, 1895.
Ball's Guide, in parts. London, 1873–5.
Jahrbuch des Ungarischen Karpathenverein. 1895.
Wordsworth (William). A Guide through the District of the Lakes in the North of England. 5th edition. 8vo. Kendal, 1835.
Dixon (W. H.). The Switzers. Berlin, 1872.
Dumas (Alex.). Swiss Travel. London, 1890.
L'Oberland Bernois. Nouvelle description à l'usage des Voyageurs. 8vo. Berne, 1838.
Annuario. Sardinian Club. 1895.
Tyndall (J.). The Glaciers of the Alps. 2nd edition. London, 1896.
Lunn (H. S.). How to Visit Switzerland. London, 1895.
Collomb (Ed.). Les Glaciers actuels. 8vo. Pamphlet. Paris, 1857.
Desor (E.). L'Orographie des Alpes. 8vo. Pamphlet. Neuchâtel, 1862.
Michiels (Alf.). Les Chasseurs des Chamois. 8vo. Paris, 1860.
Azeline. Par Monts et Vaux. 8vo. Paris, 1879.
Azeline. Récits d'un Montagnard. 8vo. Neuchâtel, 1887.
Desbarrolles (A.). Voyage d'un Artiste en Suisse. 2nd edition. 8vo. Paris, 1862.
Dargaud (J. M.). Voyage aux Alpes. 8vo. Paris, 1857.
Tyndall (J.). Les Glaciers et les Transformations d'Eau. 8vo. Paris, 1893.
Bonney (Prof. T. G.). Ice Work, Past and Present. 8vo. London, 1896.
Gore (F. St. J.). Lights and Shades of Hill Life in the Afghan and Hindu Highlands of the Punjab. 8vo. London. 1895.
Headley (J. T.). The Alps and the Rhine. 8vo. London, 1846.
Richardson (W. R.). From London Bridge to Lombardy. 8vo. London, 1869.
Voyages de S.M. Caroline, Reine d'Angleterre. (Trad. J. Dubar.) 8vo. 3 vols. Ostende, 1825.
Haller (A. von). Ode sur les Alpes. Berne, 1773. (French and German after the 10th—1678—edition.)
Voyage dans les Alpes par un Parisien. 8vo. Paris, 1830.
Manuel du Voyageur en Suisse. Trad. de l'Allemand. 4th edition. Zürich, 1819.
Falsan (A.). Les Alpes françaises. 8vo. Paris, 1893.
Heer (O.). Arnold Escher von der Linth. 8vo. Zürich, 1873.
Besson (Monsieur). Manuel pour les Savans et les Curieux qui voyagent en Suisse. 8vo. Lausanne, 1786.
Ebel. Promenades du Voyageur en Suisse. 8vo. Paris, 1829–30.
Murray. Switzerland. 2nd, 7th, 11th, 12th, and 15th editions, 1844–1874.
Bosson (F.). Samoens Sixt. 8vo. Annemasse, 1894.
Binet-Hentsch (J. L.). Les Alpes de la Haute-Engadine. 8vo. Geneva, 1859.
Caviezel. Das Oberengadine. Chur, 1876.
Mallet (G.). Lettres sur la Route de Genève à Milan. 2nd edition. Geneva, 1816.
D'Arve (Stephen). Histoire du Mont-Blanc. 2 vols. New edition. Paris, 1878.

Digitized by Google

Tilly (H. de). Ascension à la Cime du Mont-Blanc. 'La Musée Suisse,' July, 1853.
Svenska Turist. Arsskrift, 1896.
Bennett (A. W.). The Flora of the Alps. 2 vols. 8vo. London, 1896.
Kalender des D. u. Oe. Alpenvereins, 1896.
Meurer (J.). Fuhrer durch die Ortler Gruppe. Vienna, &c., 1896.
Meyer. Deutsche Alpen. I. Theil. Leipzig, &c., 1896.
Lendenfeld (R. von). Aus den Alpen. 2 vols. 4to. Illust. E. T. Compton, 1896.
Meyers Reisebücher. Schweiz. 14th ed. Deutsche Alpen, pt. ii. 4th ed. Ditto, pt. iii. 3rd ed. Leipzig, &c., 1895.
Baillie Grohman (W. A.). Sport in the Alps. Large 8vo. London, 1896.
Freshfield (D. W.). The Exploration of the Caucasus, with illustrations by Vittorio Sella. 4to. 2 vols. London and New York, 1896.
Eckenstein (O.) The Karakorams and Kashmir. 8vo. London, 1896.
Wills (A.). Wanderings among the High Alps. 2nd ed. 8vo. London, 1858.
Whymper (E.). Ascent of the Matterhorn. 8vo. London, 1880.
Bourrit (M. T.). A Journey to the Glaciers in the Dutchy of Savoy. Norwich, 1775.
FitzGerald (E. A.). Climbs in the New Zealand Alps. Large 8vo. London, 1896.
Wherry (G.). Alpine Notes and the Climbing Foot. 8vo. Cambridge, 1896.
Lubbock (Sir John). Scenery in Switzerland. 8vo. London, 1896.
Robertson (A.), D.D. Through the Dolomites. London, 1896.
Heim (A.). Die Gletscherlawine an der Altels am 11. Sep' 1895. Pamph. Zürich, 1895.
Map of the Chain of Mt. Blanc. $\frac{1}{50000}$. A. Barbey, X. Imfeld, L. Kurz. Berne, 1896.

A set of the 'Journal' in covers, as originally issued, is being formed at the Club, and the Honorary Librarian would be very grateful to any members who would assist in its formation either by presenting the parts required or letting him know where they are for sale. The parts still lacking are 1, 2, 6, 17–21, 24, 28, 31–37, 48, 58, 59, 63–68, 78–81, 83, 84, 94, 98–101.

REVIEWS AND NOTICES.

Le Massif de la Bernina. Par August Lorria et E. A. Martel. (Zurich: Ast. Institut Orell, Füssli. 1894.)

THIS excellent work, in the production of which the authors have had the assistance of the Rev. W. A. B. Coolidge and J. Caviezel, is designed, as the preface informs us, to be, if successful, the first of a series on the High Alps, from Nice to Vienna. It is illustrated by fifty héliogravures apart from the text and 150 engravings from photographs dispersed through the text.

The authors appeal to the Alpine public as to whether this work shall remain as the description of a single group, or whether, by its being freely subscribed for, they may be enabled to carry out their full scheme. The object of the present work, as well as of those which may follow, is to gather together the results of more than thirty years' exploration in the Alps by the members of the numerous Alpine clubs, with an abridged account of all the most

Digitized by Google