

RECORD OF EXPEDITIONS IN 1911.

(Issued in terms of the recommendation of the Committee, 'Alpine Journal,' vol. xxiv. p. 517, 'so as to facilitate the exchange of information.')

ADAMS, W. G., jun., see under DENT, H. L. R.

ALLEN, FREEMAN.—

From Tschierva hut—Traverse of Piz Bernina with Johann Grass and Son. Direct descent *via* Morteratsch Glacier impossible owing to wide crevasses and a long détour on the snow fields by Bellavista and descent by Munt Pers Glacier necessary.

Croda da Lago *via* Pompanin Chimney with Bartolo Barbaria.

Becco di Mezzodi *via* Barbaria Chimney with Bartolo Barbaria.

Punta Fiammes *via* Dimai route with B. Barbaria.

Piz Popena *via* South Ridge with B. Barbaria.

Kleine Zinne, North face up, West face down, with B. Barbaria, Sorapiss (Müller Weg), with B. Barbaria.

BACKHOUSE, EDWARD.—

Crossed Col du Tour and Fenêtre de Saleinaz and climbed the Grande Fourche.

Aiguille d'Argentière from Glacier du Chardonnet.

Traverse of Aiguille des Charmoz N. to S.

Dent de Persévérance (Aig. Rouges).

Dent du Requin (turned back 100 ft. from top by threatened storm).

Aig. du Géant.

Aig. Verte by Moine ridge (greater part of the climb was on rocks after leaving the glacier, as there was very little snow left). Guide Alexis Brocherel and porter Alphonse Chenoz.

Aig. du Chardonnet from Glacier d'Argentière, descending to Tour Glacier.

Aig. de Blaitière (this year a rock climb after leaving the glacier).

Above two climbs were with the guide Jean Charlet, and his younger brother as porter.

BELCHER, H. W.—

Matterhorn *via* Zmutt arête. Weisshorn *via* Schalligrat.

Traverse of the Drus. Aig. de Blaitière.

Rossbodenjoch. Süd-Lenzspitze and Nadelhorn.

BENNETT, C. F., see under CLAPHAM, J. H.

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BICKNELL, R. P.—

Vetti—Up Stölsmaradalstind and over the Rüngskar.

Turtegrö—Over Lavskar and straight down the Stölsmaradalsbræ icefall.

Through the Mörkekoldedal—Tyenholm.

Tyenholm to Gjendeboden.

Knutshulstind from Knutshullet.

Gjendeboden to Leirvasboden.

Leirvasboden to Skogadalsböen.

Skogadalsböen—From Maradalsbræ to Midtmaradal through the gap between Manden and Kjærringen (new route).

Skogadalsböen to Turtegrö.

Turtegrö—Traverse of Store Skagastölstind.

BLACKDEN, LT.-COL. L. S.—

Aiguilles Rouges (traverse).

Petites Dents de Veisivi (traverse).

Aiguille de la Za, by the face. Owing to rockfalls during the winter, two chimneys have become more difficult than formerly and ropes have been fixed. Useful for leader, but not necessary for good cragsmen.

Arolla—Col du Mont Brûlé—Rifugio Aosta, Valpelline.

Rif. Aosta—Dent d'Hérens—Prarayé.

Prarayé—Col de Collon—Arolla.

General remarks.—Rocks dry. Crevasses open.

BOWEN, H. C.—

Täschhorn, traversed by the S.E. arête, and W. face.

Matterhorn, twice traversed (1) up the Zmutt, down the Zermatt ridge, (2) up the Italian, down the Zmutt ridge.

Strahlhorn, traversed by N.W. arête and S. face.

Gabelhorn, traversed from the Wellenkuppe to the Arbenjoch. Leiterspitze.

Rothhornjoch from the Trift to the Mountet.

Ober-Mominghorn, traversed from S. to N. and down the ice-fall of the Hohlicht glacier direct to Täsch.

BRADBY, E. H. F., see under WILSON, CLAUDE.**BROOME, E. A.—**

Weisshorn (only to summit ridge).

Leiterspitz (traversed whole of summit ridge).

Cols de Valpelline and des Bouquetins to Bertol hut.

Col d'Hérens.

New Weissthor to Macugnaga.

From Cap. Marinelli, traverse of Nordend by E. face to Zermatt. Täschhorn.

BURR, ALLSTON.—

Brèche de la Meije. Les Ecrins. Grand Pic and Pic Central de la Meije.

From camp on rocks to east of Brenva Glacier.—Col Oriental de

la Tour Ronde and Aiguille du Géant to Courmayeur.
 Mont Blanc by the Brenva to Cabane du Dôme.
 Herbetet hut—Punta di Ceresole and Gran Paradiso to
 Valsavaranche.
 From Valsavaranche—La Grivola to Cogne.
 From Cabane Valsorey—Grand Combin (traverse) to Bourg
 St. Pierre.
 Petit and Grand Dru. Grépon (traverse).
 Nordend (*via* Silbersattel and return) Dufourspitze (*via*
 Sattel and return).
 From Dom hut—Dom and Täschhorn to Täsch Alp.
 From Schönbühl hut—Matterhorn (by Zmutt arête) to Breuil.

CÆSAR, W. R.—

Fiescherhorn (traverse). Klein Wellhorn.
 Simelispitze (a little Dolomite). Kingspitze.
 Guggi hut—Mönch (traverse) (9 hrs. 40 mins. including halts)
 to Concordia. Lötschenlucke.
 Bietschhorn up N. ridge, down W. ridge.
 Col du Géant. Mont Blanc by Brenva route.
 Schönbühl hut—Matterhorn, up Zmutt arête, down Tyndall
 arête, back over Furgjoch to Zermatt (22½ hrs. including
 halts).

CARFRAE, C. F. K.—

Eiger. Bergli hut—Jungfrau and Mönch to Klein Scheidegg.
 Schwarzegg — Schreckhorn and Lauteraarhorn. Climbed
 Schreckhorn by snow couloir to Schrecksattel, thence to
 summit, retraced steps to Schrecksattel and straight along
 Lauteraarhorn ridge. Descended Lauteraarhorn to Strah-
 legg Glacier, returning over Strahlegg pass. Time 16½ hours.
 From Glacier House, Canadian Rockies, Mount Abbot.
 Piz Nair, on skis as far as base of S. arête, thence on rocks to
 summit.

CLAPHAM, J. H.—

Bruneggjoch—Gruben to Herbrigen and Randa.
 Col and Tête de Valpelline to Prarayé.
 To bivouac in Combe d'Oren.
 Attempt at La Sengla from Col d'Oren : to Mauvoisin.
 To Panossière hut by Col des Otanes.
 Grand Combin—up W. ridge : both summits : descent from
 W. ridge to Plateau du Couloir : Col du Sonadon, Col
 d'Amianthe : to By.
 Col de Bassac Déré : ascent of Granta Parei from S. : to Val
 d'Isère.
 To Grange Martin above Les Brevières.
 Mont Pourri traverse of ridge from Col de Puisieux : to St. Foy.
 Nameless Col from St. Foy glen to Belle Combe : to La Thuile.
 To Courmayeur : to Col du Géant.
 Aiguille du Midi : to Couvercle.

Aiguille Verte by Moine ridge : to Couvercle.

To Montanvert and Lognan.

Col du Chardonnet and Fenêtre de Saleinaz to Champex.

CLARKE, L. W., see under DENT, H. L. R.

CLAYTON, COL. E.—

Aiguille de la Za *via* Col de Bertol.

Aiguille du Midi (3313 m. Barbey) from Glacier du Tour.

Descended by Glacier des Grands and Glacier de Brou and crossed ridges between Pointe de Brou and Grandes Autannes at point 2711 m. to Charamillon. A good round without difficulty.

COLLINS, G. L., see under LING, W. N., and THOMSON, J. M. A.

CORRY, CAPT. J. B.—

Ledwas—Mahadeo to Handil traversed—Camp S. of Surphrar in Sind Valley.

Camp in Surphrar Nullah—Deo Masjid and lower peak traversed first ascent—Sekwas in Lidar Valley.

Aro—Climb on spur up to 13,200 ft.—Aro.

Aro—Har Nag Pass—Harbagwan Valley.

Harbagwan Valley—Ascent to plateau—Camp on Kolohoi plateau.

Kolohoi Camp—Kolohoi N. Peak to within 30 ft. of top—Kolohoi Camp.

Kolohoi Camp—Descent of N. Glacier—Aro.

Shesha Nag Camp—Explored lower part of Kohinoor C Peak up to about 15,600 ft.—Kohinoor Camp.

Kohinoor Camp—Kohinoor C Peak, first ascent—Kohinoor Camp.

Kohinoor Camp—Climb on Peaks E. of Shesha Nag up to 15,100 ft.—Chandar Wari.

Tolien Valley Camp—Climb on ridge overlooking Mampal Valley up to 15,150 ft.—T. upper Camp.

Tolien upper Camp—Snowy Peak 'A' first Ascent—T. Valley Camp.

Camp S. of Sonasar Nag—Peak W. of Sonasar Pass traverse first Ascent—Suknes in Wardwhan.

Suknes—Bhat Kol Pass—Suru.

Suru—Climb on ridge above Purkubse La up to 14,500 ft.—Suru.

Tongul E. Valley—Climb on Sentik Glacier—Sentik La.

Sentik La—(Blizzard all night)—Tongul.

Khushokh Than Nullah W. of Umba—Climb on ridges N.E. of Machai—Camp on Machai Umba ridge.

Camp—Peak Gah Ling first Ascent—Umba.

Umba—Umba La—Lamagus La—Dras.

Camp near Shingo La—Peak at head of W. Branch of Shunderi Nullah, first Ascent—Dras.

Dras—Zogi La—Balbal.

Date—From June 13 to August 4.

CORRY, ROBERT.—

Aiguille du Tacul.

Mt. Mallel (traverse), Aiguille de Rochefort (traverse).

Les Droites. Aiguille du Tour (traverse). Grande Fourche.

Aiguille de la Fenêtre. Aiguille d'Argentière. Grands Charmoz (traverse).

COURTAULD, S. L., see under **JARDINE, WILLOUGHBY.****DENT, H. L. R.,** and **DENT, J. Y.**—

Grosse Windgälle with H. G. Pulling and J. H. Hollingsworth.

Kleine Windgälle (traverse from North to South) with W. L.

Clarke, Furneaux, Pulling, Unna, and S. Donkin.

Düssistock with Pulling and Hollingsworth.

Oberalpstock (traverse) with Pulling, Hollingsworth, W. G. Adams, and Sidney Donkin.

Tödi. Ascent by west face and ridge and descent by same with Unna, W. L. Clarke, Hollingsworth, S. Donkin, and Furneaux.

Heimstock or Piz Gurka with Unna, Pulling, and four ladies.

Steinlimmi and along the ridge to the Giglistock and down ordinary route, with Pulling, W. M. Roberts, and three ladies.

Fünffingerstöcke, Nos. 2, 3, and 4, with Pulling, W. M. Roberts, Furneaux, Hollingsworth, and three ladies.

Mittel Thierberg point 3343, with Pulling and W. M. Roberts.

Walking tour from Locarno by the Campolungo pass to Faïdo, thence to Piora, Curaglia, Teniger Bad, Vrin, Ilanz, Brigels, Kisten Pass, Linthal, Altdorf, Rigi.

DODD, H. M. F.—Ankogel *via* Feldsee Scharte. Sonnblick. Gross Glockner. Ortler. Piz Bernina (descent by Morteratsch icefall).

Piz Segnes with Piz Atlas. Descent from the latter little peak by following the S. ridge, although otherwise simple, was found, on arrival above an unexpected rock wall, to be impracticable, except by gymnastic tactics in a sensational situation on a rope doubled over a convenient block.

The foregoing expeditions were made without guides.

Matterhorn (Zmuttgrat).

DONKIN, S. B., see under **DENT, H. L. R.****DURHAM, W. E.**—

N. Pic des Cavales. Montagne des Agneaux. Bec de l'Homme.

Brèche de la Meije. Meije (traverse). Col des Trois Pointes.

Grande Motte. Col des Sachettes. Grand Combin (traverse).

Ruinette and Mont Blanc de Seilon (traverse).

Cols de Bertol and d'Hérens. Pollux and Castor.

Lyskamm (traverse). Matterhorn.

Alphubel by Rothengrat (traverse).

Laquinhorn from Laquinjoch.

Portjengrat. Rimpfischhorn (traverse from Adlerjoch to Allalinjoch).

Nadelhorn.

The Dauphiné expeditions with Mr. R. R. Howlett, Chr. Jossi (Sohn) and C. Gaspard, the rest with Chr. Jossi.

EATON, J. E. C.—

Traverse of Strahlhorn, up S. face, down by Adler Pass.

Traverse of Rimpfischhorn, up ordinary route, down by Allalin Pass.

Gabelhörner : along ridge between Unter- and Ober-Gabelhorn.

Down by ordinary route.

Nordend by E. face.

Matterhorn : up Zmutt arête, down Tyndall arête.

EDWARDS, H., see under DODD, H. M. F.

FARMER, J. B., see under MORLAND, J. C.

FARRAR, J. P.—

Schwestern (twice). Piz Bernina. Wetterhorn (N. arête).

A month's journey with a pack train from railhead G.T.P. over Yellowhead Pass, up Moose River, over Moose Pass to head waters of Smoky River and to N. foot of Mt. Robson. Some minor summits 6000 to 8000 ft. ascended.

FIELD, A. E.—

Vetti—Mörkekoldedal Pass—Tynholm.

Gjendebod—Traverse of Knutshulstind from Knutshullet (A. J. Nov. 1911)—Gjendebod.

Skogadalsböen—Skagastölsskar—Turtegrö.

Turtegrö—Traverse of Store Skagastölstind—up by Slingsbybræ and down Heftye's Rende—Turtegrö.

Turtegrö—Store Midtmaradalstind from Lavskar—Turtegrö.

FITZPATRICK, T. H.—

Rifugio Tiziano. Intending to cross the Forcella del Froppa to explore the valleys on S. side of M. Marmarole, and to return *via* Forcella Piccola, but prevented on one occasion by the manoeuvres and later by thunderstorm and bad weather. The hut was found to be closed, as it is stated to be little used. The path to it is badly marked nor is the hut provisioned as stated by Bädeker, 1911 edit. The Topog. Detailkarte shows the path as diverging S.E., considerably below the hut and passing over the summit of M. Froppa (c. 9620 ft.). Bädeker gives Forc. del Froppa as 7445 ft. and the hut 7340 ft.; but we could see no pass over the chain corresponding to this difference in height.

Kleine Zinne (ordinary route).

Popena (Südwand).

FURNEAUX, L. R., see under DENT, H. L. R.

GARDINER, FREDERICK.—

July 8 : From Airolo by Sassella Pass to Fusio and Bignasco.

July 9 : From Bignasco by Val Bavona to San Carlo.

July 10 : From San Carlo by Bocchetta Val Maggia to Tosa Falls. July 11 : Rest day Tosa Falls.

July 12 : From Tosa Falls by Tamier Pass to Piano di Cresta,

- Val Antabbia. July 13: From Val Antabbia by Halbhoren Pass to Valdo and Tosa Falls. July 14: Tosa Falls by Bocchetta del Gallo to Vannino. July 15: From Vannino by Busin Pass and crossed Monte Giove to Tosa Falls. July 16: Rest day Tosa Falls.
- July 17: From Tosa Falls, ascent of Basodino, to Tosa Falls. July 18: From Tosa Falls, bivouac at Zum Stock, Hohsand Thal. July 19: From Hohsand Thal to Hohsand Pass, ascent Ofenhorn and back to Hohsand Pass, and to Binn. July 20: Rest day at Binn.
- July 21: From Binn by Ritter Pass to Veglia. July 22: From Veglia by Furggenbaum Horn and Pass to Berisal. July 23: From Berisal to Simplon Kulm. July 24: From Simplon Kulm by Terra Rossa Pass, ascent Wasenhorn and down to Kaltwasserjoch and on to Veglia. July 25: From Veglia, ascent of Monte Carnera to Veglia. July 26: Rest day at Veglia.
- July 27: From Veglia, ascent of Monte Leone and by Fnè Pass to Veglia. July 28: From Veglia, bivouac Ciamporino Chalets, to Ciamporino. July 29: From Ciamporino, ascent of Pizzo de Diei and Monte Cistella and Passo Ciamporino, to Veglia. July 30: Rest day at Veglia.
- July 31: From Veglia by Passo Valtendra and Scatta d'Orognò to Devero. August 1: From Devero by Albrun Pass, crossed Albrunhorn to Val Deserta and back to Devero. August 2: From Devero by Geisspfad Pass and ascent of Pizzo Fizzo, Geisspfad Pass, to Devero. August 3: From Devero to Baceno and Foppiano. August 4: From Foppiano by Furka Pass to Bosco and on to Bignasco. August 5: From Bignasco to Locarno and on to Airolo. August 6: From Airolo to Piora. August 7: From Piora by Taneda Pass, Bocca di Cadlimo, Piz Borel, and Piz Ravetsch, and Taneda Pass, to Piora. August 8: From Piora by Passo Pettano and ascent of Piz Lucomagno to Piora. August 9: From Piora by Taneda Pass and Nalps Pass to Sedrun. August 10: From Sedrun to Ilanz, Coire and Buchs. August 11: From Buchs to Wildhaus Toggenburg. August 12: From Wildhaus, ascent Brisi Churfürsten, to Wildhaus. August 13: From Wildhaus, ascent of Hinterrück and Kaiserrück Churfürsten to Wildhaus. August 14: Rest day Wildhaus.
- August 15: From Wildhaus, ascent of Sentis. August 16: Descent of Sentis to Wildhaus. August 17: From Wildhaus by Buchs, Ragaz, and to Vättis. August 18: From Vättis to bivouac Lasa Alp. August 19: From Lasa Alp, ascent of Piz Sol crossed to Tersol and down to Vättis. August 20: From Vättis to Club hut (Sardona Alp). August 21: Bad weather Sardona Alp. August 22: Bad weather Sardona Alp and back to Vättis. August 23:

- From Vättis by Kunkels Pass to Tamins and on to Flims.
 August 24: From Flims to Ilanz and up to Brigels.
 August 25: From Brigels, ascent of Piz Tumbif, Kaves-
 trau Grond, to Brigels. August 26: Rest day Brigels.
 August 27: From Brigels, ascent of Piz Frisal, to Brigels.
 August 28: From Brigels to Puntaiglas Valley and Punt-
 aiglas Club hut. August 29: From Club hut to Puntaiglas
 Pass, ascent Piz Urlaun, and down to Truns. July 30: From
 Truns to Somvixertal. August 31: Rest day Somvixertal.
 September 1: From Somvixertal, ascent of Piz Vial, to
 Somvixertal. September 2: Rest day Somvixertal.
 September 3: From Somvixertal by Fuorcla de Lavaz to Curaglia,
 Lukmanier. September 4: From Curaglia to Lukmanier
 Pass to Santa Maria. September 5: From Santa Maria,
 ascent Piz Rondadura, to Santa Maria. September 6:
 From Santa Maria by Passo d'Uomo to Piora. September
 7: From Piora, ascent of Fongio, to Piora. September 8:
 From Piora by Taneda Pass and Piz Taneda to Piora.
 September 9: From Piora, ascent of Piz Columbe, to
 Piora. September 10: Rest day Piora.
 September 11: From Piora, ascent Cima di Camoghè, to
 Piora. September 12: From Piora, ascent Piccolo
 Pettano, to Piora. September 13: From Piora down to
 Airolo and on to Lucerne. September 14: From Lucerne
 by Pilatus to Lucerne.
 59 days' work; 10 rest days; 69 days in all. Only 2 days of
 bad weather. The season of 1911 was the very finest in
 point of weather of my experience of 42 years, not even
 excepting the summer of 1876.—FREDERICK GARDINER.

GASK, G. E.—

- Lauterbrunnen Breithorn.
 Jungfrau (traverse from Rottal).
 Finsteraarhorn. Schreckhorn. Berglistock from the Lauter-
 aarsattel. Wellenkuppe.

GASK, SYDNEY.—

- Lauterbrunnen Breithorn. Jungfrau (traverse from Rottal).
 Finsteraarhorn. Schreckhorn. Berglistock from the Lauteraar-
 sattel.

GORDON, J. M.—

- From Medel hut on Lavaz Joch, P. Medel, Cima Camadra, P.
 Ufiern, P. Cristallina, to Perdatsch.
 From Zapport hut, Rheinwaldhorn, Güferhorn, to Hinterrhein.
 Tambohorn. P. Platta.
 P. Materdell, traverse from N.
 P. Lagrev—by couloir near Fuorcla Gravasalvas.
 From Badile hut, P. Badile to Masinobagni.
 Dent d'Hérens.
 Petit Charmoz.

HARRIS, E. B.—

Piz Bernina—Ascent by the Scharte route. Descent by the usual way *via* the Labyrinth. The usual route through this was impracticable and we had to make a long *détour*.

Torrone orientale.

Cima del Largo.

Traversed Cima di Castello.

Attempted Ago di Sciora; first from the Forcola di Sciora, we attempted the traverse of the E. face, but the slabs proved impracticable; then from the S.W. corner of the Ago glacier; but we failed to hit off the route to the gap on the S. of the final pinnacle, and as it was getting late we gave it up and returned to the hut and went on to San Martino.

Disgrazia by the ordinary route.

Piz Badile. Our route was Variation *a*, page 25 of Strutt. The commencement of the climb is up a very difficult chimney with a jammed stone at the top.

Ascended Ago di Sciora. We went as before to the Forcola di Sciora, and traversed the W. face of the mountain, over steep and rotten rocks, till we struck a point on the final pinnacle above the gap on its S. This route does not seem to have been taken before. We descended to the S.W. corner of the Ago glacier, and down the Albigna glacier to Vicosoprano.

Ortler (usual route).

Königsspitze and Vertain Spitze.

Torre di Brenta.

Campanile Alto di Brenta.

Fünffinger Spitz (Daumenscharte).

Grohmannspitz.

Winkler and Stabelertürme.

Croda da Lago (Pompanin Kamin).

Croda dei Cesdellis (Pomagognon).

Campanile di Val Montanaia. There are some other good climbs in this group, but I had no time to try them. The hut is new and comfortable.

Monte Pelmo.

HASKETT-SMITH, W. P., see under LING, W. N., and THOMSON, J. M. A.

HOEK, DR. H. W.—

New Ski Expeditions in the Oberhalbstein (Grisons) (see *Oesterr. Alp. Ztg.*).

Several new climbs in the Sella-Dolomites (see *Oesterr. Alp. Ztg.*, No. 581).

HOLLINGSWORTH, J. H., see under DENT, H. L. R.

HOPE, R. PHILIP.—

Fleckistock by S.W. rib. Back same way and over Fluh-lücke to Meien.

A hut near Oberplatti (2055) N.W. of Hohrain—Over Stossenfirn to Wendenjoch and Wenden glacier to Stein.

Stein—Steinlimmi to Trift hut.

Trift hut—Weiss Nollen, Eggstock, Schneestock, Dammastock, to Trift hut.

Trift hut—Kilchlimmi with Kilchlistock by S. arête to Guttanen. Gleckstein—Berglistock up W. face down E. face. West Wetterlimmi to Dossen hut.

Jungfrau by S.W. arête.

Mutthorn hut—Lauterbrunnen Breithorn and down Inner Fafier glacier to Fafieralp.

Täschhorn.

Hochthäligrat, Stockhorn, New Weissthor.

Lyskamm by S. arête.

Théodule Pass.

Oberaarhut—Finsteraarhorn up S.E. arête down to Hugisattel and via Gemslücke to Oberaarhut.

Oberaarhut—Scheuchzerjoch to Dolfuss.

Dolfuss—Strahlegg to Grindelwald.

Schilthorn. Telli pass.

Blümlisalphorn.

Balmhorn.

Wildstrubel.

All expeditions without guides.

NOTE.—There is a new path from the Gasterthal joining Gemmi path where it becomes level.

A good new path from Razliberg (above Lenk) to Fluhsee.

HOWLETT, R. R.—

Pic des Cavales.

Bec de l'Homme.

Via Brèche de la Meije to the Cabane du Promontoire.

Traverse of the Meije. The first traverse in 1911 (July 4).

Owing to there being a certain amount of ice in the Grand Couloir, and to our being four on a rope, the traverse from the Cabane to La Grave took us 18 hours 50 minutes.

Grande Motte, by the newer route from the Col de la Leisse.

IRVING, R. L. G., see under TYNDALE, H. E. G.

JACKSON, W. S.—

Les Ecrins (first traverse this year, July 13).

La Meije (traverse).

Aiguille du Géant.

Traverse of Petit Dru and Grand Dru.

JARDINE, WILLOUGHBY.—

Verstanklator.

Piz Linard.

Diavolezza Inn—Fuorcla Bellavista, Crest'Agüzza to Marinelli hut.

Fuorcla Fex-Scerscen.

Forno hut—Passo di Casnile, Piz Bacün, Zocca Pass to San Martino di Masino.

Pizzo Badile.

Cima di Castello.

All'Acqua—Pizzo Rotondo, Wytttenwasser Pass to Realp.

JENKINS, H. STUART.—

Grand Cornier (ascent from Col du Gr. Cornier by S. ridge with descent by N.W. ridge to Pte. de Bricolla).

From Arolla—La Sengla (3702 m.). Ascent from Col de la Reuse d'Arolla by N.E. ridge. Descent by same route by the Combe d'Oren to Prarayé. A good climb from the Col, but a long one from Arolla.

From Prarayé—Followed the S.S.W. ridge of Jumeaux from Col Becco di Guin to summit 3805 m. (Siegfried map). Return by same route.

Bertol hut *via* Col des Bouquetins—Aig. Jean Maître (also Aig. du Midi) 3690 m. on S. ridge of Bouquetins. Ascent and descent by E. face—Arolla *via* Col du Mt. Brûlé.

Col des Hirondelles.

Grandes Jorasses (by Whymper's old route), both summits.

Jorasses hut—Aig. de Rochefort, traverse taking in Mt. Mallet. Return along the ridge to Col du Géant and Mont Fréty.

Mt. Fréty—Aig. de la Brenva. Complete traverse to breach at foot of Gendarme locally known as 'Le Père Eternel,' cf. 'A.J.' xxv. 741 *seq.* (Benighted.)

Sella hut—Mt. Blanc. Ascent *via* Rocher du Mt. Blanc and Tournette ridge. Descent *via* Aig. du Goûter to Tête Rousse.

Aig. Mummery and Aig. Ravanel (combined traverse). Repetition of E. Fontaine's climb on Aig. Mummery.

Staffel Alp—Matterhorn by Zmutt ridge to Zermatt.

JONES, H. O.—

Chalet de l'Alpe—Col des Aigles and Col du Clot des Cavales to Promontoire hut.

Promontoire hut—*via* La Bérarde—Bivouac on Glacier du Vallon de la Pilatte.

Bivouac—New route to Dôme de Neige des Ecrins, traverse of this, Pic Lory and Les Ecrins. Glacier on descent very troublesome ('A.J.' xxv. 736)—La Bérarde.

Promontoire hut—Traverse of La Meije (loc. cit. p. 748) 9 hours 10 mins.—La Grave.

Courmayeur—To Col des Hirondelles and exploration of E. ridge of Les Grandes Jorasses (21½ hours)—Courmayeur.

Sella hut—Exploration of Glacier du Mt. Blanc.

Sella hut—Col Emile Rey to Pic Luigi Amedeo. Over Mt. Blanc de Courmayeur to Mt. Blanc, descent by Dôme route 21½ hours. Dôme Glacier very troublesome (loc. cit. p. 736).

- Jorasses hut—Grandes Jorasses ; descent by E. ridge to Col des Hirondelles (loc. cit. p. 737) and Courmayeur.
- Jorasses hut—To Col des Grandes Jorasses, ascent of Punta Margherita and traverse to W. ridge of Grandes Jorasses (loc. cit. p. 738) and to Courmayeur.
- Sella hut—Ascent of Mt. Blanc by the Rocher du Mt. Blanc route. Upper Glacier du Mt. Blanc very badly crevassed—Chamonix.
- Bivouac on the Trélaporte—Ascent of Grépon by the Mer de Glace face direct to the highest point (loc. cit. pp. 739-741).
- Kien hut—Ascent of Täschhorn, much fresh powdery snow (Aug. 25); danger of frostbite too great to justify continuing to Dom.
- Schwarzsee Hotel—Ascent of Matterhorn, descent by Italian side and return by Furgjoch to Zermatt (18 hours).
- Schönbühl hut—Ascent of Matterhorn by Zmutt ridge and descent by Hörnli ridge to Zermatt.

JOSELAND, H. L.—

- Oeschinen See Hotel—Blümlisalhorn, descending direct to the Oeschinen See without making the détour to the hut.
- Wildelsigen hut—Balmhorn by N.E. arête crossing to the Altels and thence down to Schwarenbach and so back to Kandersteg and the Oeschinen See Hotel.
- Oeschinen See Hotel—Wilde Frau on the way over the Hohtürli to Gries Alp.
- Mutthorn hut—Lauterbrunnen Breithorn—back to Gries Alp.
- Gries Alp—A very interesting day's scramble alone on the Dündenhorn in which I explored both the rocks on the Kandersteg side and also the Kiental face, as well as some of the ridge. I finally descended from the summit by the Dündenband to the Gries Alp.

KER, W. P., see under THOMPSON, C. M.

KIRKPATRICK, W. T., see under HOPE, R. P.

Up to and including Théodule Pass.

LARDEN, W.—

- Goescheneralp—Up to the Hinter-Feldschyn. A short climb of the Chamonix Aiguilles character; one really stiff chimney of first-class quality.
- Goescheneralp—Sustenhorn. A mere walk.
- Maderanerthal—Grosse Windgälle. Local guide refused to go on after we came to the bergschrund! I should say it was a nice climb; under ordinary conditions no difficulty; and, even as it was, nothing that should have baffled our guide.
- Hüfi hut—Piz Cambriales. A nice, short, climb; easy.
- Hüfi hut—Gross Scheerhorn. A beautiful walk. It looks steep, but is not.
- From Hüfi hut—Traversed Tödi. From Hüfi hut by Planura Col and Sandpass, up. Down to, and over, the Gliems-

pforte, and then over Puntaiglaslücke to the Reinhart Hütte. A good expedition. Owing to lack of snow the descent from Gliemspforte was dangerous (from stones), and quite difficult (rotten steep rocks and ice), instead of being an easy descent of a snow couloir. Interesting and worth doing.

Reinhart Hütte—Traversed Biferten Stock. Up by Obere Frisallücke and arête. Rocks on arête high up would be rather dangerous if glazed or snow-covered; should not be descended from other side if in bad condition. For descent on other side we used the 'band' route. The bands (like that of Pelmo) very interesting. The first looks impossible, and is really but a walk. Expedition is to be recommended. To Taranasa.

Disentis—Brunni Pass. An easy walk of no special interest save for learning more of the group. Bad weather prevented us taking the Oberalpstock—to Maderanerthal.

Goescheneralp—By Thierberglimmi and Thierberg glacier. The bad condition of schruns this year made it none too easy. Entirely different from what it was some years ago when Legh Powell and I did it alone—to Trift hut.

Trift Hütte—Up Dammastock on the way. A walk and a view, no climbing—to Furka.

Furka—Traversed Galenstock. Up from Furka the usual way (starting up the Rhone glacier). Descended good rocks toward Tiefengletscher, and reached this below the Tiefensattel. [A bad bergschrund prevented a more direct descent on to the glacier.] Then walked over the Lochbergglücke to Goescheneralp.

A good expedition. It is the descent on Tiefengletscher side that makes it one; up and down from Furka and to Furker would not be anything like so good.

N.B.—This summer the bergschrunds were extraordinarily bad to pass, and many 'snow' couloirs were icy or bare—unusual difficulties.

V. LEYDEN, VICTOR.—

Monte Rosa Nordend and Dufour-Spitze, both from Silbersattel Teufelsgrat (Täschhorn).

Monte Sissone and Monte della Disgrazia from Forno hut to Torre (Val Malenco).

Traverse of Monte di Scerscen and Piz Bernina.

LING, W. N.—

Traverse of Weissmies down to Zwischbergen pass.

Ulrichshorn. Traverse of Nadelhorn and Südlenzspitz, descent by E. ridge.

Portjengrat. Traverse of Rimpfischhorn from Adler pass.

Matterhorn. Dent Blanche. Mont Blanc de Seilon.

Traverse of Grand Combin by Valsorey ridge and corridor.

The above all guideless with Mr. George Sang.

Traverse N. peak of Dents des Bouquetins with G. A. Solly and W. P. Haskett-Smith.

Traverse of Mont Collon with G. A. Solly, G. L. Collins and W. P. Haskett-Smith.

LLOYD, R. W.—

Traversed Herbetet from hut by the E. arête, descending by N. arête to Val Savaranche.

Traversed Grand Paradis from V. E. hut, descending to Herbetet hut and Cogne.

Traverse of Grivola by N. arête from Grand Nomenon huts and down the ordinary way.

Traverse of Mont Blanc by the Brenva, 11 hrs. 40 min. from gîte to top, descent to Chamonix.

N. face of Breithorn.

Traversed the Gabelhorn by the Wellenkuppe arête descending by S. face.

Traversed Bietschhorn by N. and W. arêtes.

Traversed Weisshorn, ascent by E. arête, descent by Schalligrat. Nord End of Monte Rosa.

Täschhorn.

LONGSTAFF, TOM G.—

April. Snow-shoe trips round Field, Canadian Rockies.

May-June. Spillimacheen Mountains between Columbia and Beaver Rivers, crossing the range twice on snow-shoes.

July. Small climbs round Glacier House, Selkirks. Followed by trip through Northern B.C., Yukon Territory, and Alaska down the Yukon River to Behring Sea.

MALLORY, G. H. L., see under TYNDALE, H. E. G.

MEADE, C. F.—

Becco di Mezzodi. Nuvolau Alto and Torre Inglese.

Punta Federa of Croda da Lago. Croda of Croda da Lago.

Cima di Formin of Croda da Lago. Punta Adi of Croda da Lago.

Westliche Zinne. Boespitze and Daint de Mesdi, partial traverse. Fermedaturm traversed.

Sass Rigais, Grosse and Kleine Furchetta traversed.

Grohmannspitze traversed. Euringerspitze, partial traverse.

Rosengarten traversed. Up by S.E. Wand.

Haupt, Nord, Ost Türme (Vajolet group). Kesselkogel traversed.

Einserkofel. Elferkofel. Zwölferkofel traversed.

Arêtes of Mulinet, Pta. Francesetti, Pte. Bonneval traversed.

Albaron by E.N.E. face, Pte. Regaud, also by E.N.E. face, both new ascents; traversed.

Pointe de Méan Martin.

Grande Sassièrè, Petite Sassièrè, Pte. des Pattes de Chamois,

Becca di Suessa traversed.

Archeboc Ormelune, Grand Bec du Fond.

Vedette, Grand Bec du Lac.

Roc de Bassagne, Pte. de Calabre (by S.E. face perhaps new),
Pte. de Bazel, Cimes de Quart Dessus traversed.

Dôme de la Sache, Mont Pourri, Aiguille du Saint Esprit
from Marais chalets to Nant Croix in 15¼ hrs. including
halts.

Sommet de Bellecôte and Aiguille du Midi traversed.

Pte. Goletta, Pte. Bassac Déré, Mt. Bassac Sud, Grande
Traversière, Mt. Bassac Nord, from Val d'Isère to Fornet in
Valgrisanche in 16½ hrs. including halts.

Tête de Rutor, Château Blanc, Doravidi, to Courmayeur.

Grandes Jorasses (Pte. Walker).

Mont Dolent.

MONTAGNIER, HENRY F.—

Rifugio dei Dodici Apostoli—La Cima Tosa (traversed)—Tosa
hut on the Bocca di Brenta.

Tosa hut—La Cima di Brenta (traversed)—Berlin hut below
the Tuckett Pass.

Rifugio Presanella—La Presanella (traversed)—Mandrone hut.

Mandrone hut—Il Corno Bianco—Mandrone hut.

Mandrone hut—Cima di Presena and the Passo di Marocarò—
Tonale Pass.

Vioz hut (opened in July 1911)—Monte Vioz, Palon della Mare,
Cevedale—Hallesche hut on the Eisse Pass.

Hallesche hut—Königsspitze, Kreilspitze, Schrötterhorn—
Sulden.

Schaubach hut—Ortler by the Hintergrat—Descent by the
Payer hut to Trafoi.

Höllner hut in the Matscherthal—Weisskugel—Brandenburger
Haus.

Brandenburger Haus—Fluchtkogel, Wildspitze—Vent by the
Vernagt and Breslauer huts.

Vent—Ramolkogel, Ramol Joch—Ramol Haus, thence to Vent
over the Ramol Joch.

Wiener hut in the Pfitscherthal—Obere Weisszint-Scharte—
Edelraute hut on the Eisbruck Joch.

Edelraute hut—Gross Mösele—Berliner hut in the Zillerthal.

Berliner hut—Schwarzenstein—Schwarzenstein hut.

Schwarzenstein hut—Gross Löffler—Steinhaus in the Ahrnthal.

Defregger hut—Rainerhorn, Gross Venediger—Gschlöss by the
Prager hut.

During two months in Tyrol I met with only one party of
English climbers (Messrs. Wicks, Bradby, and Wilson at
Trafoi). The huts of the German Alpine Club—although
far superior to the average S.A.C. hut—are usually
frightfully overcrowded after the middle of July.—H. F. M.

MORLAND, J. C.—

Livigno—Alpisella Pass and Passo di Fraele—Bormio.

Sta. Caterina—Gavia Pass—Ponte di Legno.

Tonale—Marocaro Pass—Bedole.

Cima Tosa.

Cigolade Pass and Tschagerjoch pass.

Marmolata by S. W. arête and N. face.

Sertig Pass from Scans to Frauenkirch.

Mayenfelder Furka. Frauenkirch to Arosa by Furka—Höhe.

All easy but delightful days with Prof. J. B. Farmer.

MOUNSEY, W. A., see under **BACKHOUSE**.

MUIR, J. C.—

Col Giétroz and Col de Seilon.

Aig. de la Za by the face.

Col Bertol and Col d'Hérens.

Matterhorn by Zmutt ridge, descent by N.E. ridge.

Dent Blanche, usual route.

Col Vasevay.

Petite Dent de Veisivi, traverse W. to E.

Vuibez rocks, traverse from Col de Vuignette to N. end.

Ruinette by S.E. ridge, descent by S.W. ridge.

The last four expeditions were guideless. For the Zmutt ridge our guides were Martin Pralong and Jean Métrailler—both of the Evolena Valley.

NOELTING, F. A.—

Kislovodsk (Caucasus) to Urusbievo through Khassaut and Kirtik-Aush Col (3242 m.).

From bivouac on left bank of Shekildi glacier; attempt to reach Kashkatau glacier and Adyl Valley. Crossed col at N. foot of Bzhedukh-tau (about 3600 m.), but had to return same way owing to bad weather.

From camp in Adyl valley; climbed peak (about 3650 m.) on ridge between Adyl and Adyr valley.

Crossed Dongus-Orun col to Suanetia.

Crossed Ütür Col into valley of Nenskra, thence into valley of Seken; thence through Kodor valley to Sukhum-Kale. Guides Chumak Sârof and his son Djanbulat.

OLIVER, EDMUND G.—

Nord End from Macugnaga.

Dom and Täschrhorn (traverse).

Rimpfischhorn, N. arête (traverse).

Unter- to Obergabelhorn arête.

Rothhorn arête from Triftjoch.

Matterhorn traverse by Zmutt and Italian arêtes.

Pollux and Castor (traverse).

Dent Blanche (traverse by S. and W. arêtes).

OPPENHEIM, L. C. F., see under **STRUTT, E. L.** (for expeditions round Zermatt).

OSBOURNE, R. E.—

Lobhörner (five teeth).

Gspaltenhorn.

Gr. Schreckhorn, ascent by N.W. ridge, descent by ordinary route.

Grépon traversed from N. to S.

Grand and Petit Drus, ascent by Grand D. descent by Petit Dru.

Weisshorn, ascent by ordinary route, descent to Schallijoch and Randa.

Matterhorn—ascent by Zmutt ridge, descent ordinary route to Zermatt.

All with Fritz Amatter and Christian Kaufmann jun. as guides, and all but the Drus accompanied by Miss Osbourne, Ladies' A.C.

OSLER, JULIAN A.—

Evêque. Petites Dents de Veisivi. Mont Collon.

Aiguilles Rouges, traverse. Col de Collon.

Aiguilles Dorées, Aiguille de Javelle, Tête Crettex.

OSLER, J. T., see under SLOMAN, A., for Dents de Bouquetins and de Bertol and Vuibez arête expeditions.

PARKER, J. A.—Cima Tosa, and Rochetta di Nambrone.

PARKER, J. KENYON.—

Monte Leone.

Fletschhorn, traversed from Simplon to Weissmies Hotel.

Turned back from Südlenspitze by bad weather (Aug. 21).

Riffelhorn couloir.

Turned back from Zinal Rothhorn by bad weather (Aug. 26).

Dufourspitze (ascent by rocks from Grenz glacier, descent ordinary route).

Zinal Rothhorn (traversed) to Mountet Inn.

Col Durand (started 9.15 a.m. after thunderstorm).

Matterhorn (ascent by Zmuttgrat. Descent Swiss side. Left Schönbühl hut 1.50, summit 10.30, Swiss hut 3, Zermatt 6).

Weisshorn (ordinary route).

PULLING, H. G., see under DENT, H. L. R.

ROBERTS, E. E.—

La Vierge and Petit Flambeau.

Aig. de Rochefort and Mont Mallet.

Charmoz (traverse). Grand Dru. Grépon (traverse).

Col de Triolet and Punta Isabella.

Heimstock and Catscharauls. Düssistock (traverse).

Oberalpstock. Höhlenstock.

Klein and Gross Scheerhorn (traverse).

Gross Ruchen (Westgrat).

ROBERTS, W. M.—

Heimstock (Conway's Piz Gurkha)—Hüfi hut.

Düssistock (traversed)—Hinterbalm.

Oberalpstock by Regenstaldenfirn, both summits of final peak; return by Brunnithal—Maderanerthal.

Höhlenstock (Weiss Stöckli of Siegfried map).

Klein Scheerhorn by Halsigrat and traverse to Gross Scheerhorn, descending by Hüfi glacier.

Two days on the Fünffingerstöcke, including a circuit of No. IV. by the surrounding glaciers.

Mittlerer Tierberg (so described in the Urner Alp guide-book—unnamed on Siegfried map, but height given as 3419 m.).

All the expeditions were guideless with various members of Dr. H. L. R. Dent's party.

ROLLESTON, L. W.—

Traverse of Strahlhorn, ascent from Adler pass, descent by South Rocks.

Traverse of Matterhorn, ascent by Italian ridge, descent by Zmutt ridge. First traverse in this direction.

Traverse of Obergabelhorn, ascent from Wellenkuppe, descent to Arbenjoch.

Rothhorn pass.

Traverse of Obermominghorn. Descent through icefall of Hohlichtgletscher. This descent through the icefall was difficult and not quite safe.

Jägerjoch and Jägerhorn.

Nord End, Marinelli hut 4.5 a.m. summit 12.20 (halts 1½ hours).
Bétemps hut 3.15 p.m. (total halts about 2½ hours).

Rothhorn from Rothhorn pass.

Dent Blanche by E. arête from Mountet. Descent by W. arête and over Col d'Hérens to Zermatt, Mountet 2.40 a.m., summit 10.30. Ferpècle Glacier 4.30 p.m., Col d'Hérens 6.50, Zermatt 11.0 p.m. (total halts about 2½ hours).

RUNGE, HARRY.—

Klein Wellhorn. Simeli Stock. King Spitze.

Mönch from Guggi to Concordia hut.

Bietschhorn (traverse) by W. and N. arêtes.

From Col du Géant *via* Col de la Tour Ronde and Brenva arête over Mont Blanc to Chamonix.

SCHIESS, E.—

Doldenhornhütte—Gr. Doldenhorn, Kl. Doldenhorn (traversed)—Doldenhornhütte.

Wildelsigenhütte—Balmhorn (traverse)—Gizzifurgge—Ried.

Egon v. Steigerhütte—Mittaghorn—Ebnefluh (traverse)—Concordia.

Concordia—Gletscherhorn (West and Ostspitze, traverse)—Concordia.

Concordia—Hinter-Fiescherhorn (traverse)—Concordia.

Concordia—Agassizhorn, Agassizjoch, Finsteraarjoch—Schwarzegg.

Schwarzegg—Kl. Schreckhorn (traverse)—Gleckstein.

Gleckstein—Gr. Schreckhorn (traverse, ascent by Anderson-grat)—Schwarzegg.

Gamchibalmhütte—Gepaltenhorn—Sefinenfurgge—Mürren.

- Eigergletscher—Eiger (traverse, descent *via* Eigerjoch) and Mönch (traverse, ascent E. grat, descent S.E. grat)—Bergli.
- SLATER, E. V.**—
 Dent du Midi (Dent Jaune). Aiguille d'Argentière.
 Aig. de l'M and Petit Charmoz. Col de Talèfre—Courmayeur.
 Mont Blanc (from Grands Mulets to Montanvert descent by Midi route).
- SLOMAN, CANON A.**—
 Traverse of Cassiorte, returning by Col de la Forclette, the most direct route, but not mentioned in Larden's Guide.
 Traverse of Mt. Ghitsa, descending by N. arête (apparently a new route).
 N.B. The Mt. Ghitsa, above named, is the summit with a cross, forming the most eastern end of the Mt. Dolin ridge, and called Mt. Ghitsa by the local guides. The point so named in Larden's Guides seems to be a different one.
 Aiguille de la Za, by the face, Martin Pralong, guide.
 Traverse of Zinareffien Rocks, Antoine Georges, guide.
 Most northerly summit of Dent des Bouquetins and traverse of South Peak of Dents de Bertol, with Mr. J. T. Osler and Pierre Epinay, guide (see 'A.J.' xxv. 749).
 Traverse of Loitecondoi Rocks.
 Traverse of Vuibez arête, with Mr. J. T. Osler and Pierre Georges, guide (see 'A.J.' xxv. 742).
 The expeditions where no guide is mentioned were guideless.
- SOLLY, GODFREY A.**—
 Diablerets. Wildhorn and Mt. Pucelle. Métailler.
 Col de Darboneire and Pointe de Vouasson—Arolla.
 Pigne d'Arolla by N. face. Aiguille de la Za.
 N. Peak of Aiguilles Rouges.
 N. peak of Dent des Bouquetins traversed from S. to N. (from and to the hotel without sleeping at hut).
 M. Collon traversed.
 All without guides.
- STEAD, F. B.**, see under **PARKER, J. KENYON**, for Monte Leone and Fletschhorn only.
- STEELE, LOUIS J.**—
 Col de Nivolet.
 Ascent of the Gran Paradiso and Becca di Moncorvé from Pont.
 Other minor ascents were also made in this region.
- STRUTT, E. L.**—
 Monte Rosa, Dufourspitze.
 Matterhorn, Zmutt arête.
 Wellenkuppe, traverse.
 Dent Blanche.
 Rimpfischhorn, N. arête.
 Täschorhorn.
 Castor and Pollux *via* Schwarzthor.

Cima di Jazzi, Fillarkuppe, &c., &c.

With Captain L. C. F. Oppenheim and F. N. Blundell; guide, Josef Pollinger; porters J. M. Chanton and Franz Imboden:

Hoher Prill, Weisse Wand, Todes Gebirge, &c. (Styria), chamois-shooting.

THOMPSON, CLAUDE M.—

Cogne *via* Pousset huts—Grivola by S. face, easy but requires care owing to quantity of loose stones—Cogne.

Cogne—Herbetet—to Victor Emmanuel hut.

V. E. hut—Grand Paradis—Cogne.

Piantonetto hut—Roccia Viva—back to hut.

Piantonetto hut—Grand St. Pierre—Cogne.

Valsorey hut—Grand Combin—Mauvoisin.

Aiguille de la Za, by the face.

THOMSON, J. M. A.—

Easter and Whitsuntide—Exploration of two new faces in Wales: Llechog and Craig y Cwm Du. Both afford excellent and varied rock-climbing.

Two peaks of the Vuibez from the Vuibez Glacier; with Mrs. Solly and Miss Collins.

Traverse of Pigne d'Arolla; ascent by N. face; descent to Col de la Serpentine; with G. Collins and G. A. Solly.

Face of the N. peak of Aiguilles Rouges with W. P. Haskett-Smith.

Traverse of the N. peak of the Dent des Bouquetins. Ascent mainly by the rocks of the E. face. New. Good rocks, with some very difficult traversing across couloirs; with G. Collins and G. Edwards.

Traverse of Mont Collon; with G. Edwards.

Traverse of Mont Blanc de Seilon from Col de la Serpentine; with G. Edwards.

Täschhorn.

Traverse of Matterhorn. Descent by the Italian ridge and return to Zermatt over the Furgg Joch.

Schönbühl Cabane—traverse of Matterhorn; ascent by the Zmutt Ridge, descent to the Schwarzsee.

Exploration on the Coolin as described in 'A.J.' xxvi. 17 *seq.*

THORP, PERCY H.—

Peters Grat. Beich Pass.

Aig. du Géant. Col de Miage. Petit Dru.

Herbetet. Grivola. Matterhorn (Breuil to Zermatt).

Guides Christian Almer III. and Adolph Schaller.

Kienhorn (attempt on the Teufels Grat, defeated by strong cold wind).

Oberaar Joch—Gemslücke—Grünhornlücke—Mönch Joch.

Wetterhorn (Gleckstein to Rosenlauri).

Ascent by the face of the Eiger from the Klein Scheidegg to the Eigerwand Station. (After an unsuccessful attempt to reach the Mitteleggi ridge from the Klein Scheidegg we made our way up to the Eigerwand Station. A rope was let down for the last 15 feet, but was not essential to the completion of the climb.)

Mönch.

Guides Christian Almer III. and Joseph Schaller.

TODD, CAPT. O. E.—

In Kaghan Valley.

June 22: From Camp near Safus Malook—Attempt to climb Mali ka Purbut—reached col 15,500 ft. on E. face.

June 24: From Camp near Safus Malook—Manoor 15,129 ft. by steep snow gully on E. face.

June 30: From Camp above Duddur, 11,750 feet—Attempt to climb Mali ka Purbut by N.E. arête, reached col 15,200 ft. (Dubooka).

July 6: From Battakundi—Dubooka 16,196 ft. by N. arête. Traverse of the whole mountain (4 summits).

July 11: From Battakundi; crossed over Dubooka N. arête and over large glacier and snowfield, attacked Rewuree by N. arête, reached summit after a difficult rock climb in a snow-storm; went back by the same route and made a new pass down the Rewuree Valley to Burawai.

July 14: From Basul—Peak about $1\frac{1}{2}$ miles south of, Basur Mountain (un-named) 15,300 ft. A steep and difficult rock climb, from the S.W. arête.

July 30: From Badulgraun—crossed the Rasee Bojee ridge, traversed the whole of the Sukhi Sangal snow-field.

Traversed back by a entirely new route, eventually landing in the Shikara nullah. 18 hours. In terrible weather, snow-storm and thick mist. A very awkward expedition.

All these climbs are new ground and first ascents.

TYNDALE, H. E. G.—

Bonneval—Col du Bouquetin: Col de la Vache: Col de Nivolet—Pont in Val Savaranche.

Capanna Vitt. Emanuele—Col du Grand Paradis: Grand Paradis from Col de l'Abeille—Capanna Vittorio Emanuele.

Capanna Vitt. Emanuele—Cima di Ciarforon: up N.W. ridge from foot (variation of Signor Bobba's route), down by Col de Moncorvé—Capanna Vittorio Emanuele.

Capanna Vitt. Emanuele—Herbetet: over Moncorvé ridge and many glaciers to E. Col du Grand Neiron: up W. buttress, W. face, and S. ridge of Herbetet. Second ascent by this route. Descent by N. ridge—Cogne.

Cogne—To S. Col de Sengies: Punta Ovest di Valeille: Scati-glion: Ondezana: from Teleccio glacier over Col de Monei

to Cogne ; 13-14 hours going. First traverse of ridge from S. Col de Sengies to Scatiglion—Cogne.

Cogne—Col du Pousset : from Trajo glacier to Nomenon glacier by Col des Clochettes (first passage). Up N. arête of Grivola [*ca.* 7½ hours from Upper Pousset chalets]. Descent by ordinary route.—Cogne.

Cogne—To Col de Chaz Sèche : Punta di Monpers : Piatta di Grevon—Aymaville.

Courmayeur—To Col du Géant. Mont Maudit by N.E. ridge from just above Col de la Tour Ronde : thence followed watershed between Brenva and Géant glaciers. Joined Maudit-Tacul ridge halfway between Col Maudit and summit of Mont Maudit. Thence by Mur de la Côte to summit of Mont Blanc. Third ascent from Col de la Tour Ronde.

St. Gervais—Up to Col de Miage : thence along ridge to head of Trélatête glacier : up Tête Carrée (bad thunderstorm) : down Trélatête glacier and over Col du Mont Tondu—Les Mottets.

Les Mottets—Over Col de la Seigne—Courmayeur.

Col du Petit St. Bernard—Over Col de Traversette—Tignes.

Val d'Isère—Cime de Quart Dessus : Tsanteleina : Pointe de la Traversière : Aiguille de la Grande Sassièrè—Val d'Isère.

Val d'Isère—Col de Fresse : Col de la Leisse—Refuge Félix Faure.

Refuge Félix Faure—Over Vanoise glaciers to Dôme de Chasseforêt—Pralognan.

Companions—Up to Les Mottets, Messrs. R. L. G. Irving and G. H. L. Mallory. Afterwards with Mr. Irving alone.

UNNA, P. J. H., see under DENT, H. L. R.

WALL, T. W., see under BLACKDEN.

WATSON, B. W.—

Tosa Falls—Blindenhorn and Mittenberg Pass—Binn.

Binn—Helsenhorn and Ritter Pass—Alp Veglia.

Alp Veglia—Passo Fnè and Monte Leone—Simplon.

Simplon—Rossboden Pass—Saas Grund.

Süd-Lenzspitze and Nadelhorn.

Matterhorn from Schönbühl by the Zmutt ridge and down the Hörnli ridge. No ice or snow on the Swiss side from the top to the lower hut ! Even dusty in places. (August 14.)

Weisshorn. Perfectly cloudless day from sunrise to almost sunset (August 17).

I had excellent conditions throughout, and it was probably the finest season for many years. It was a new experience to find the heat made one lazy.

WELLS, E. G.—

Dent Jaune (Dent du Midi).

Aiguille d'Argentière, ascent by Glacier des Améthystes, descent by Glacier du Chardonnet.

Aiguille de l'M and Petit Charmoz.

Col de Taléfre (Montanvert to Courmayeur); big bergschrunds on both sides, but of no great difficulty. A very interesting expedition, though the walk to Courmayeur is rather long; the bridge over torrent has been washed away, and it was impossible to reach the path without a wetting.

Col du Géant. Slept at the cabane, intending to ascend the Aig. du Géant, but prevented by snowstorm (August 26).

Mt. Blanc, ascended ordinary route from Grands Mulets, descent *via* Mt. Maudit and Mt. Blanc de Tacul. Bergschrunds very large.

The party consisted of E. G. Wells, E. V. Slater, and guide Q. Zurbriggen, of Saas Grund.

WERNER, C. C., see under CLAPHAM, J. H.

WICKS, J. H., see under WILSON, CLAUDE.

WILLIAMSON, O. K.—

Concordia—to summit of Lauithor—back to Eggishorn Hotel. Concordia to Gletscherjoch with exploration of upper rocks on Roththal side and over Lötschenlücke to Fafler Alp.

Fafler Alp over Petersgrat to Trachsellauenen.

Guggi Hütte (new), ascent of Mönch by N.W. buttress, descent by ordinary route, over Ober and Unter Mönchjoch to Eismeer Station and Klein Scheidegg.

Roththal Hütte, Gletscherjoch, (first passage) Ebnefluh to Concordia (had to wait twelve days before weather was sufficiently settled to justify expedition).

Staffel Alp, Matterhorn (ascent by Zmutt arête) to Zermatt.

Riffelhaus, Cima di Jazzi, and over New Weissthor to Macugnaga.

Marinelli hut, Nordend (ascent by E. arête, descent by Silbersattel) to Riffelhaus.

WILSON, CLAUDE—

Hintere Schöntaufspitze *via* Schaubach hut and Madritschjoch. Vertainspitze by S.W. arête, descending by S.W. face.

Ortler *via* Hintergrat (S.E. arête)—descending by N. route.

Ortler—*via* Hochjoch and Hochjochgrat—descending by N. route.

Traversed Hohe Angelus Spitze, and Hochofenwand.

Königsspitze—*via* Königsjoch (bad weather prevented traverse).

Traversed Vordere and Hintere Schöntaufspitze, ascending by N.W. arête.

Unsuccessful attempt to reach Suldenjoch. On failing went to Eisse hut.

Traversed Schrötterhorn, Kreilspitze, Königsspitze and Zebbru, from Eisse hut to Hochjoch hut.

Ortler Pass to Trafoi.

Traversed Cevedale from Sulden to Santa Caterina.

Ferro Occidentale from Masinobagni by S. arête, descending by W. arête—Masinobagni.

Zocca hut—Attempt on Ago di Sciora, but failed to find route from Ago glacier—to foot of pinnacle—Zocca Hut.

Zocca hut—Traversed: 1. Passo del Averno. 2. Pizzo di Zocca, up by S. arête, down by W. 3. Ferro Orientale, or Punta Qualivo, up by E. arête, down by W. arête—Masinobagni.

NOTE.—J. H. Wicks took part in all these expeditions except the last one. E. H. F. Bradby took part in all these expeditions, with the exception of the first three. No other companion or guide.

WORKMAN, DR. W. HUNTER.—June 1 to Oct. 14: During summer of 1911, I explored with Mrs. F. Bullock Workman the region lying between the Baltoro glacier on the north, the Shyok and Saltoro valleys on the south, the Kondus-Siachen watershed on the east, and the western barriers of the Hushe tributaries on the west. Found it a region of high, precipitous, mostly unscalable mountains with serrated ridges and summits, and deep, narrow valleys occupied by sharply descending, greatly broken, in many places unscalable, glaciers, with no discoverable passes northward to the Baltoro.

Explored the Dong Dong, Sher-pi-gang, Kondus, Chogo Lisa, Kondokoro, Masherbrum, and Alin glaciers. Ascended mountain-spur separating the Dong Dong from the Sher-pi-gang to a point 16,604 feet directly overhanging the latter and giving a wide view over both glaciers. Also ascended snow-capped peak, 16,839 feet in altitude, west across the Masherbrum glacier from Mt. Masherbrum, the slopes of which were everywhere deeply covered with shattered fragments of quartzite.

Having explored this region, ascended, the middle of August, the Bilapho glacier to the east, crossed the ice-pass at its head 18,450 feet, and descended a large affluent leading to the great Siachen glacier. Passed a month on this glacier, exploring it and some of its large tributaries, as weather permitted. Among others ascended a large east tributary, which, some 25 miles long, leads up to a wide snow-basin or plateau 19,000 feet and above in altitude, that connects with a snow-pass and a glacier descending toward the east and, apparently, towards the Karakoram Pass.

At the head of another large affluent joining the Siachen from S.W. a point 20,000 feet in altitude was reached at the base of an almost perpendicular precipice rising thence to the summit of K3, 25,415 feet. Also a snow-peak of 21,000 feet, overhanging the junction of the east affluent above mentioned and the Siachen, was ascended. From this a very extended view over the Siachen and its tributaries was obtained.

WYATT, J. W.—

Various climbs in the neighbourhood of Champéry, including Dent du Midi, Cime de l'Est (twice), Dent Jaune. Tour Sallières, Dent de Bonaveau, traversed (twice), Dent de Barmaz, traversed, Les Dents Blanches, traversed twice, once by new route up N. arête. All guideless, except Dent Jaune and Tour Sallières.

Grand Moeveran to within 300 ft. of top, very bad conditions, much fresh snow and verglas (June).

Grand Combin traversed from Valsorey hut by W. and N.E. arêtes.

Mont Vêlan, traversed from E. to W. from Valsorey hut to Great St. Bernard.

Cols de Fenêtre and du Ban d'Arrey to Courmayeur.

Col du Géant.

Aiguille du Tacul, traversed. Aiguille du Grépon, traversed.

YELD, G.—

Punta del Tuf, 11,129 ft.

Cresta del Tuf, 10,918 ft.

Punta Inferno, 11,129 ft.

Tour St. André, 11,976 ft. traversed from Valeille to Valnontey.

YOUNG, G. WINTHROP.—

La Bérarde—Les Ecrins, traverse; first ascent. Ascent S. face Dôme de Neige and traverse—La Bérarde.

Promontoire hut—La Meije, traverse—La Grave.

Courmayeur—Grandes Jorasses. Exploration of east ridge—Courmayeur.

Quintino Sella hut—Exploration Mont Blanc glacier—Q. S. hut.

Q.S. hut—Mont Blanc, from Col Emile Rey, by Brouillard ridge; descent by Dôme glacier.

Grandes Jorasses hut—Grandes Jorasses, first traverse and descent of E. ridge.

Grandes Jorasses hut—Grandes Jorasses, first ascent by W. ridge.

Col du Géant (alone).

Bivouac below Trélaporte—Grépon, first ascent to summit from Mer de Glace.

This remarkable list of expeditions shows that, given good weather, the oldest of Alpine Clubs can produce a record of work of the highest class that is not readily equalled.

April 26, 1912.

J. P. FARRAR.