

proposing him for membership of the Club, to which he was duly elected.

In 1913 he was in the Brenta group with his wife, also an accomplished climber, and in 1914 he was again in the Dolomites with his wife and W. A. Morrison, and later joined H. MacRobert and the writer in the Graians, climbing the Grivola, Herbetet, and traversing the Paradiso. On the outbreak of war the party made its way to Genoa and returned in the s.s. *Cretic* to England.

During the war he spent arduous days in an explosives factory at Roslin, and while there was awarded the Edward Medal for his heroic action in saving lives at the risk of his own during an explosion.

In 1921 he was in the Alps again with the writer and climbed the Bietschhorn, and with the addition of H. C. Bowen to the party, traversed the Lyskamm, and climbed the Vincent Pyramide, Signal Kuppe, Zumsteinspitze, and Dufourspitze.

In 1922 and 1923 he was out again with his wife and daughter and the writer at Saas Fee, Zermatt, Arolla and Cogne. In 1923 he was elected to the Committee of the Alpine Club and proved a most useful member.

In 1925 he was with a party of S.M.C. members, which crossed the Oberland.

In 1927 he was again in the Dolomites with his wife and did some good climbs, traversed the Cime Figlio and Cugilio, and Cimone della Pala, also the three Vajolet Towers.

The last three summers have been spent in exploring the Highlands.

He wrote many charming and humorous articles for the S.M.C. Journal, illustrated by most admirable photographs, in which art he was a past master.

He was a most delightful companion with whom to travel. A first-rate mountaineer, as skilful and safe on ice and snow as he was sound and graceful on rocks; always cheerful under the most adverse circumstances, and considerate for others.

His lovable disposition and kindly humour gained him many friends, and his death leaves a sad blank in the lives of all with whom he was brought into contact. May he rest in peace, a loyal friend and a worthy son of the mountains.

W. N. L.

NEW EXPEDITIONS.

(a) CANADIAN ROCKY MOUNTAINS.

(1) *Yoho-Waputik Group.*

ST. NICHOLAS PEAK, 9616 ft. First ascent, June 27, 1930. Dr. J. M. Thorington, with P. Kaufmann. From Bow Lake by way of the snowfield above the southern Bow Glacier, and the E. face, 4 hrs.

Descent of S. arête and traverse to N. peak of Mt. Olive, 10,270 ft. Return to intervening col and descent to snowfield and Bow Lake.

MT. AYESHA, 10,036 ft. First ascent, July 15. Messrs. E. Cromwell and J. M. Thorington, with P. Kaufmann. From Bow Lake by way of Bow Glacier and S. shoulder of Mt. Rhondda, which is crossed and a couloir descended to the snowfield, followed by 300 ft. of rock-climbing on E. side of summit cap direct to top. Ascent, 8 hrs. 20 mins. Descent to Twin Falls (Yoho valley), 5 hrs. 20 mins.

(2) *Pipestone Group.*

DOLOMITE PEAK, 9828 ft. First ascent, June 30. Dr. J. M. Thorington, with P. Kaufmann. From Bow Lake by way of rock slides and meadows across a high shoulder to the foot of Dolomite Pass. The fourth tower, counting from N., is the highest point. The head of the valley is rounded to a point on the W. slope between the third and fourth towers. A rib and a long, narrow snow-couloir form the line of ascent to the depression between these towers. The highest tower then requires a traverse on its face until a snowy cleft, immediately N. of the highest point, is reached. Bow Lake to foot of Dolomite Pass, 3 hrs. 20 mins. To summit, 3 hrs. Descent to Bow Lake, 4 hrs. 30 mins.

(3) *Freshfield Group.*

WATERSHED PEAK NORTH OF PANGMAN PEAK, 9600 ft. This is the highest point between Pangman Peak and Bush Pass. First ascent, July 5. Messrs. E. Cromwell, J. M. Thorington, D. Duncan, and A. Megrew, with P. Kaufmann. From Freshfield tongue by way of Niverville meadow and Pangman Glacier. Summit attained from S. col. Freshfield tongue to summit, 5 hrs. 45 mins.

MT. SKENE, 10,000 ft. First ascent, July 7. Messrs. A. Megrew, D. Duncan, E. Cromwell, and J. M. Thorington, with P. Kaufmann. From Freshfield Glacier by way of broad couloir between Mts. Skene and Strahan. Thence ascend snow slopes. Ascent from camp, 4 hrs. 30 mins.

MT. STRAHAN, 9960 ft. First ascent, July 7. Messrs. D. Duncan and A. Megrew. From Skene-Strahan col by way of S.W. shale arête, 1 hr. 15 mins. Direct descent to Freshfield Glacier, 50 mins.

MT. CONWAY, 10,170 ft. First ascent, July 7. Messrs. E. Cromwell and J. M. Thorington, with P. Kaufmann. From Skene-Strahan col by way of Conway snowfield and lateral glacier of W. flank to S. rocky arête. Several difficult steps are then ascended in reaching the summit. Descent by W. ridge to a prominent tower, where a gully

leads down to the snowfield. From Skene-Strahan col to summit of Mt. Conway, 4 hrs. 15 mins. Total time from camp for Mts. Skene and Conway, 15 hrs. 30 mins.

MT. BARLOW, 10,320 ft. First ascent, July 19. Messrs. E. Cromwell and J. M. Thorington, with P. Kaufmann. From camp on Niverville meadow by way of Freshfield basin to col between Mts. Helmer and Barlow. The lower, W., peak was skirted on its S. slope as the higher, E., point was gained. Ascent, 5 hrs.

MT. LOW, 10,075 ft. First ascent, July 9. Messrs. E. Cromwell and J. M. Thorington, with P. Kaufmann. From the summit of Mt. Barlow in 1 hr. 10 mins., following the watershed. Direct descent to the basin and return to Freshfield tongue, 5 hrs. 30 mins.

(4) *Forbes-Lyell Group.*

MT. FORBES, 11,902 ft. First ascent of N. ridge, July 12. Mr. E. Cromwell, with P. Kaufmann. From bivouac on left bank of Mons Glacier. Ascended N. glacier to the saddle at foot of ridge which was found to be steep and heavily corniced. One gendarme gave considerable trouble. Ascent, 7 hrs. 30 mins. Descent to camp, *via* W. ridge, 5 hrs. 40 mins.

MT. CAMBRAI, 10,380 ft. First ascent, July 15. Messrs. D. Duncan and A. Megrew. From bivouac above Mons Glacier by way of Mons snowfield, 4 hrs. 20 mins.

MT. MESSINES, 10,290 ft. First ascent, July 15. Messrs. D. Duncan and A. Megrew. Following ascent of Mt. Cambrai.

MT. ST. JULIEN, 10,140 ft. First ascent, July 15. Messrs. D. Duncan and A. Megrew. Following ascent of Mt. Messines.

(b) PURCELL RANGE.

(1) *Dutch Creek Group.*

MT. FINDLAY, 10,786 ft. First ascent, July 24. Messrs. E. Cromwell and J. M. Thorington, with C. Kain and P. Kaufmann. From camp at head of Dutch Creek by way of Trikootenay Glacier and pass to head of Findlay Creek. The peak is reached by traversing the crevassed E. snow-slopes above the glacier and ascending the granite blocks in the upper portion of the E. arête. Ascent, 9 hrs. Descent, 5 hrs. 15 mins.

SAFFRON PEAK, 10,018 ft. First ascent, July 27. Messrs. E. Cromwell and J. M. Thorington, with P. Kaufmann. From camp at

head of Dutch Creek by way of low, timbered saddle on S. side of subsidiary E. peak. The S. arête of the main peak is attained, and followed to the summit. Ascent, 5 hrs. 15 mins. Descent, 3 hrs.

(2) *Bugaboo Group.*

PIGEON TOWER, *ca.* 10,200 ft. First ascent, August 6. Mr. E. Cromwell, with P. Kaufmann. From camp at head of Bugaboo Creek, to plateau of Bugaboo Glacier, thence up moraine to foot of Snowpatch Spire. Ascended glacier N. of Snowpatch Spire to col between it and Bugaboo Spire, crossed névé to the S. ridge of Pigeon Tower, and followed it to a vertical step, traversing on the N.W. face to the N. ridge 5 mins. below summit. Descended by the same route to glacier, and returned to camp *via* S.W. arm and main stream of Bugaboo Glacier. Ascent, 7 hrs. 30 mins. Descent, 3 hrs. 35 mins.

CENTRE PEAK, *ca.* 9800 ft. First ascent, August 10. Mr. E. Cromwell, with P. Kaufmann and C. Kain. From camp at head of Bugaboo Glacier, to plateau of Bugaboo Glacier, thence *via* moraine crest to foot of Snowpatch Spire. Crossed S.W. arm of Bugaboo Glacier to saddle in N. ridge, which was followed to summit. Ascent 7 hrs. 45 mins. Descent, 4 hrs.

THIMBLE PEAK, *ca.* 10,000 ft. First ascent, August 11. Mr. E. Cromwell, with P. Kaufmann. From camp at head of Bugaboo Creek, *via* Bugaboo Glacier and S. arm, to col between Thimble and Howser Peak. Ascended E. ridge to summit. Descended W. ridge to col between Thimble and Flat Top. Ascent, 4 hrs. 20 mins. Descent, 20 mins.

FLAT TOP PEAK, *ca.* 10,000 ft. First ascent, August 11. Mr. E. Cromwell, with P. Kaufmann. From col followed E. ridge to summit. Ascent, 1 hr. Descent, *via* W. ridge to glacier and camp, 2 hrs.

VARIOUS EXPEDITIONS, 1930 AND 1890.

Graians.

GRAN PARADISO, 4061 m. = 13,324 ft. *C.A.I. map.* By the N.W. face. July 11, 1930. Signori A. Cretier, L. Bon, and R. Chabod. The N.W. face is the great ice-wall facing towards the Valsavaranche, at the top of the Lavaciù Glacier. It is clearly visible from the Col du Géant. The height of the face is about 500 m. from above the