guide Christian Rangetiner of Kals. They were making the ascent of the Dufourspitze from this side, when, just below the bergschrund, a short distance from the rocks of the Grenzgipfel, a stone, the size of a man's head, coming from a great height, knocked Rangetiner out of his steps, breaking an arm and two ribs. Fortunately Herr Strauss, although at first dragged down, was able to bring the party to anchor without further damage. Rangetiner was however unable, in his wounded state, to stand the exertion of ascending, and the two were compelled to make their way down to the Jägerrücken in continual danger from falling stones. Rangetiner was killed with his whole party in the following year by the giving way of a cornice on the Glocknerwand.

A fitting parallel to Dr. Stein's voluntary descent of this face is Dr. Paul Güssfeldt's descent of the even more dangerous Couloir du Lion under the leadership of the late Alexander Burgener, father of Heinrich the leader and uncle of Alfred Burgener the other guide of Dr. Stein's adventure. J. P. F.]

ALPINE ACCIDENTS IN 1912.

On March 2 **Herr Heinrich Wildung,** in making the descent of the N. face of the **Säuling** (2047 m.) near Füssen, Bavarian Alps, with five friends, slipped on some steep snow and fell some 400 metres, being killed by contact with outcropping rocks.

On March 3 **Herr Gustav Streinz,** aged 22, with some friends, attempted the ascent of the Gross Venediger from the Kürsinger-Hütte. They were compelled by bad weather to turn round before reaching the summit and had just unroped after passing the crevassed part of the **Obersulzbachkees** when Streinz who was leading suddenly disappeared into a crevasse—about 3 feet wide and only lightly snowed over. The whole party was on skis. The body was not recovered till the 7th from a depth of over 60 feet, and it was obvious from the injuries that death must have been instantaneous.

On March 25 on the **Schneeberg** near Vienna occurred another ski accident involving the loss of **ten lives** including **Herr Aemilius Hacker,** a well-known Austrian mountaineer. The weather on the 24th was bad, but the morning of the 25th broke fine. Accordingly a party of nine men and one lady under Hacker's guidance started from the Hotel to ascend the Hochschneeberg. Soon mist and a fresh snowstorm came on. After several hours' hard work the party reached the Fischerhütte, but in attempting to descend the whole party broke down a cornice and were carried down the slope, which is described as only 100 yards long and ending in a level basin, and were suffocated in the masses of snow. The lady alone was lightly covered up and was got out alive. A very sympathetic notice of Herr Hacker from the pen of Mr. Rickmers appears in the

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'Mittheilungen' 1912, p. 112 *seq.* The 'Ö.A.Z.' 1912, p. 153 *seq.* also contains some interesting details of Herr Hacker's career by his friend Dr. Günter Freiherr v. Saar.

On April 28, **Dr. Semmelmann** of Munich was killed when ascending with two companions the S. face of the **Sonneck.** The unfortunate climber, who was leading his party, had already surmounted the principal difficulties and was within a few yards of the arête, the rope having been taken off. He was holding on to a big rock which gave way. He is described as a good and practised climber, having done many difficult rock climbs.

On May 5, **Herr Hans Jäger** of Offenbach, a young and capable rock climber, was killed on the **Rotenfels** near Münster-a.-St. The party was engaged in the descent, but at the actual moment Jäger was out of sight of his companions, so that the cause of the accident is not clear.

On May 16, three young climbers, **Georg, Freiherr v. Tucher, Hans, Freiherr v. Tucher,** and **Herr Ahrentraut,** of Munich were killed on the **Waxenstein.** They fell from near the Mittagsscharte on the Greinauer side. Probably the wintry conditions had to do with the fall.

ALPINE NOTES.

'The Alpine Guide.'—Copies of Vol. I. of the new edition of this work, price 12*s.* net, and of 'Hints and Notes, Practical and Scientific, for Travellers in the Alps' (being a new edition of the General Introduction), price 3*s.*, can be obtained from all booksellers, or from Messrs. Stanford, 12 Long Acre, W.C.

'The Alpine Guide,' The Central Alps. Part I.—A new edition of this portion of the 'Alpine Guide,' by the late John Ball, F.R.S., President of the Alpine Club, reconstructed and revised on behalf of the Alpine Club under the general editorship of A. V. Valentine-Richards, Fellow of Christ's College, Cambridge, is now ready, and can be obtained from all booksellers, or from Messrs. Stanford, 12 Long Acre, W.C. It includes those portions of Switzerland to the north of the Rhone and Rhine valleys.

'The Alpine Guide,' The Central Alps. Part II.—A new edition of this portion of 'The Alpine Guide,' by the late John Ball, F.R.S., President of the Alpine Club, reconstructed and revised on behalf of the Alpine Club under the general editorship of the Rev. George Broke, is now ready, and can be obtained from all booksellers, or from Messrs. Stanford, 12 Long Acre, W.C. It includes 'those Alpine portions of Switzerland, Italy, and Austria, which lie S. and E. of the Rhone and Rhine, S. of the Arlberg, and W. of the Adige.'

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