

1858 entered the service of the East India Company as midshipman, becoming later a mate in the Indian Navy. When the latter was abolished in 1864 he was transferred to the Revenue Survey of Bombay as Assistant Superintendent. During periods of official leave in 1876-1877 and 1882-1883 he studied at Harvard University and at the Royal School of Mines in London. Retiring in 1893, he entered the University of Berlin as a student, and in 1902 took the degree of Ph.D. with a dissertation on the petrography of rocks, collected by J. W. Reiss and M. A. Stuebel, from Cotopaxi and the neighbouring volcanoes of Ecuador. Living in London, but alone and without any fixed address, he joined this Society in 1902, and was always a prominent and interested member in the discussions. Annual pilgrimages were made to the Tyrol, and he was held up there at the outbreak of war in 1914. He wrote various papers on the geology of this district, one of them on a serpentine-rock in vol. 14 of this Magazine.

ZYNDEL (Fortunat) [1882-1917] was born at Maienfeld, Grisons, on July 21, 1882, and was drowned on February 25, 1917, when the steamship *Laconia* was torpedoed off the coast of Ireland. Whilst working as a schoolmaster he also studied at the University of Bâle, graduating in 1912 with a thesis on twinned crystals of quartz. He wrote several important papers on this subject and also on Swiss geology. In 1913 he went to Trinidad as oil geologist for an English company, returning in 1914 for military service in Switzerland. He met his early death when returning from a third trip to Trinidad. (Aug. Boxtorf, 'Dr. Fortunat ZynDEL, 1882-1917.' Verh. Schweiz. Naturf. Gesell., 1917, Jahr. 99 in Zürich, Nehr. pp.86-96, with portrait and bibliography; C. Schmidt, Verh. Naturf. Gesell. Basel, 1918, vol. 29, pp. 110-14.)

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