significant detail of construction with reed-layers was so great as to remind me at once of the fact that Early Dr. Hedin on his journey of 1896 to the terminal Tarīm had found an obviously ancient route line Chinese route from leading from Korla to Ying-p'an, where the dried-up bed of the Kuruk-daryā branches off towards Lou-lan to Lou-lan, marked by a series of big watch-towers.1 His description of them strongly supported the Korla. belief that this line of towers dated back to the period when the ancient Chinese route from Tunhuang to Lou-lan and thence to the northern oases of the Tārīm Basin was first opened. The careful survey of them which I was able to make in the spring of 1915 on my way from the Kurukdaryā to Korla has fully confirmed this belief. It has furnished conclusive evidence that these towers served as watch and signal stations along the road which connected Lou-lan with the Chinese administrative posts and military colonies established under the Emperor Wu-ti in the oases dotting the southern foot of Tien-shan.2

The chief, if not the sole, danger which threatened the safety of this great military and trade Danger of route came, as the account of the Former Han Annals shows, from irruptions of the Hsiung-nu, or from Kara-Huns.3 For these, as we have seen, the open Kara-shahr valley, with its easy approaches from shahr Yulduz and other great grazing grounds north, must have at all times been the main gate. Experience gained during centuries on their far-flung northern borders must have proved to the Chinese commanders that the best safeguard against such attacks and raids lay in securing quick warning which would allow of timely preparation for defence. Korla and the adjacent parts of the route lay certainly nearest to the ground whence the danger of incursions threatened, and if they were to be adequately protected, a line of signal-stations pushed out to the north-east into the Karashahr valley would certainly suggest itself.

It is for this purpose, I believe, that the ruined watch-towers along the foot of the Khōra range Signalare likely to have been originally constructed. At what time exactly this extension beyond Korla stations along of the line of signal-stations took place it is impossible to determine. But it is worth noting that Khora I found the same enlargement by an outer casing of masonry, which is so clearly marked in the case range. of the tower just described, also at several of the towers between Ying-p'an and Korla. The dimensions of the tower south-west of Ming-oi before this enlargement, viz. about 24 feet square at the base, are found again at stations along the Tun-huang Limes. So, too, is the method of placing layers of reeds after every three courses of bricks. Hence it appears to me very probable that the subsequent enlargement of the tower was also effected during Former Han times. Its purpose, as my observations of 1915 have suggested, was probably not so much repair or strengthening as to raise the height of the structure for making its fire-signals better visible from a great distance. In this connexion I must record my regret that neither on my rapid passage during the closing days of 1907 nor during my equally busy stay at Korla in April, 1915, could I spare time to search systematically for the remains of towers which would have served to link up the tower south-west of 'Ming-oi' with the northernmost surveyed south-east of Korla. The intervening distance is about 27 miles, and owing to the configuration of the ground, with the westernmost hill chain of the Kuruk-tāgh commanding the plains on either side, two or three signal-stations between, even without conspicuous towers, would have been amply sufficient for effecting semaphoric connexion between the two points.

The remainder of the ground crossed on that march to Korla offered also antiquarian and Defile on geographical interest. Within a mile or so from the tower the area of low, broken ridges was left road to behind, and after another five miles across a stony glacis we approached the deep bed in which the

¹ Cf. Hedin, Reisen in Z.-A., pp. 75 sq.

² See Geogr. Journal, xlviii. pp. 208 sq.

³ Cf. Wylie, Notes on the Western Regions, J. Anthrop.

Inst., xi. pp. 95 sqq., where the reasons advanced in 90 B.C. for planting military colonies west and south-west of Korla are set forth at length.