**1069. Dhruva Narayana, V.V. and Patnaik, U.S. 1985.** Channel geometry and bed material variations in a typical Doon Valley torrent. Pre-Workshop Proc., II International Workshop on Alluvial River Problems, Roorkee, Oct. 24-26, 1985: 189-194.

The paper presents the results of a study conducted at Dehradun on the variations in the channel geometry and bed material composition along Bainkhala, a typical Doon Valley torrent. It has been indicated that the channel width and cross section area increase with increase in length of the torrent and the drainage area while the bed slope and depth decrease. Except for variation in channel depth and the D50 of the bed material, the variation in the torrent characteristics are similar to those reported for the alluvial rivers. The decrease in the depth of the channel with increase in its length and drainage area, is contrary to the case of alluvial rivers and this change may be due to the widening of beds and island formation in the downstream reaches. The D50 of the surface material increased upto a transitional section, where the bed slope has suddenly became flat, and thereafter the particle size decreased as in the case of alluvial streams.