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**Tim Riley\*** ([tim.riley@math.cornell.edu](mailto:tim.riley@math.cornell.edu)), Department of Mathematics, 310 Malott Hall, Cornell University, Ithaca, NY 14853-4201, and **Murray Elder**. *On the Dehn function of Stallings' group*. Preliminary report.

Stallings' group was the first example of a finitely presented group not enjoying the finiteness property  $\mathcal{F}_3$ . I will discuss recent work with Murray Elder on the Dehn function of this group. This is of interest in the context of two problems: determining what functions can occur as Dehn functions of subgroups of CAT(0) groups, and understanding the level of wildness possible in groups with small Dehn functions. (Received July 26, 2005)