

Can More Be Learned from Selection Experiments of Value in Animal Breeding Programmes? Or is it Time for an Obituary? - W. G. Hill,
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Selection experiments in lab animals and livestock have provided a wealth of information on the genetic architecture of quantitative traits, e.g., genetic parameters, long term responses, correlated responses, and factors that influence them. They have stimulated development in theory and tests of it, and extreme selected lines have been source material for biological study. We have new techniques to assess the genetic architecture without selection lines, e.g., genome wide association studies using dense maps, gene expression analyses to penetrate deeper into the biology, and genomic selection can facilitate improvement just from numbers.