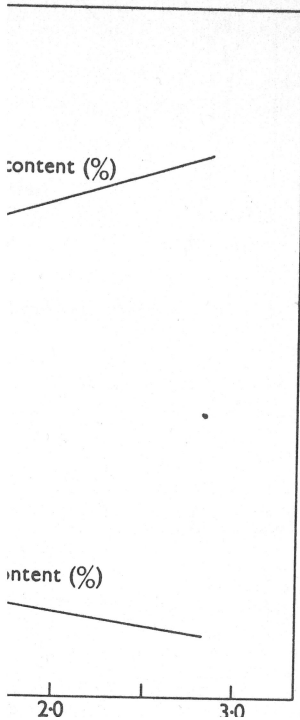


composition agree well with actual
'growing cells'.

Nutrient-limited steady-state growth.
by Herbert *et al.* (1961) on cell
contents of *Aerobacter aero-*
n over a wide range of growth
status of the chemostat type. The
has been discussed in detail by
(1950) and Herbert, Elsworth &



This means that, although medium of constant composition is fed to the growth vessel, the environment in which the cells are growing is different for each growth rate in respect of the concentration of limiting nutrient. In Fig. 5, for example, each experimental point corresponds

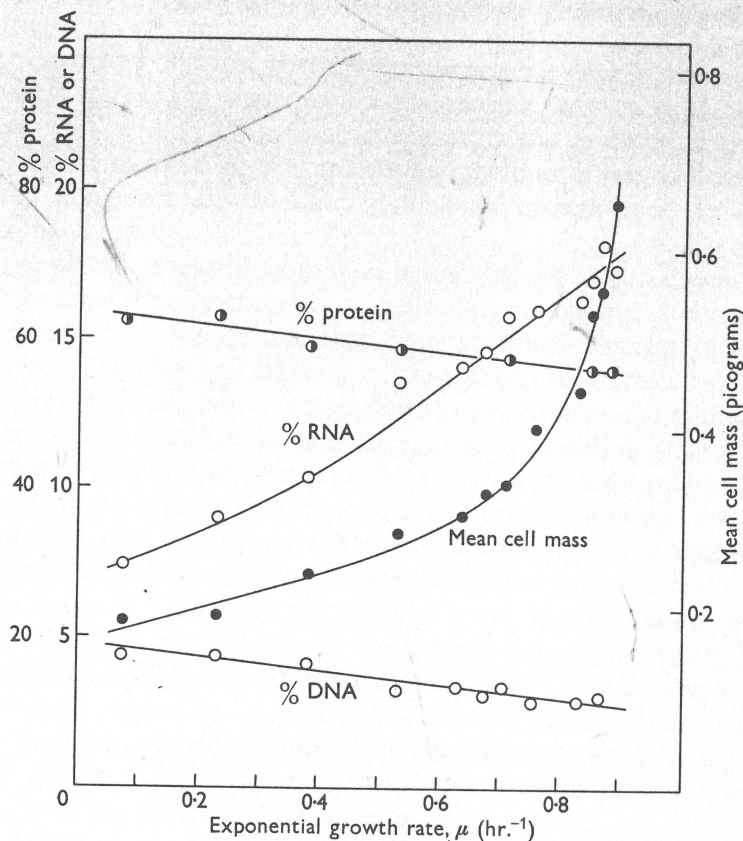


Fig. 5. Growth of *Aerobacter aerogenes* in continuous culture.