

ENGINEERING DEPARTMENT

ALAN BURN

RESEARCH NOTES

Alan Burn (1889-1959) B.E. (Syd.), M.Sc. (Tas.), LL.D. (Lond), M.I.E. (Aust) was Professor of Engineering 1919-1955, Vice-Chancellor 1945-1949 and Acting V.C. April to June 1953. His research included studies of aerofoil theory, vortex wind tunnel, hydraulics, centrifugal and axial pumps, stress etc.

These papers were transferred from the basement of the Engineering Building in 1986. They were very dirty and disordered and other papers with them were found to be unidentifiable and were destroyed. See also UT35, UT101.

UT467/1-17 Prof Alan Burn's research notes c 1920-1955 (Box of 17 folders)

aero research

aerofoil theory

vortex wind theory

hydraulics plans

hydraulic problems

hydraulic machine problems

2 dimensional stress

centrifugal pumps x 2

centrifugal and axial pumps

axial flow pumps from J.G. Burnell

axial fans and pumps

rectangular frames

strain energy methods

cavitation in turbines and pumps

struts with elastic supports

analysis of rigid frames (Bowstring & Vierendeel etc)