

ENGINEERING DEPT. - A. 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 including 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 UT.35, UT.101

UT.467/

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
- centrifugal pumps
- 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)