

March 6, 1969

TO: Multics Performance Log

FROM: J. H. Saltzer

SUBJECT: Multics Performance history as recorded by flush-certification  
measurements

The enclosed chart provides a comparison among all Multics systems which have been certified to date. Systems without bars did not get accurately certified.

Included is a prediction, based on system 2.2B, of the effect of installing a file system which is three times faster and smaller than the present file system.

Performance relative to system 1.6

3/1/69 JAS

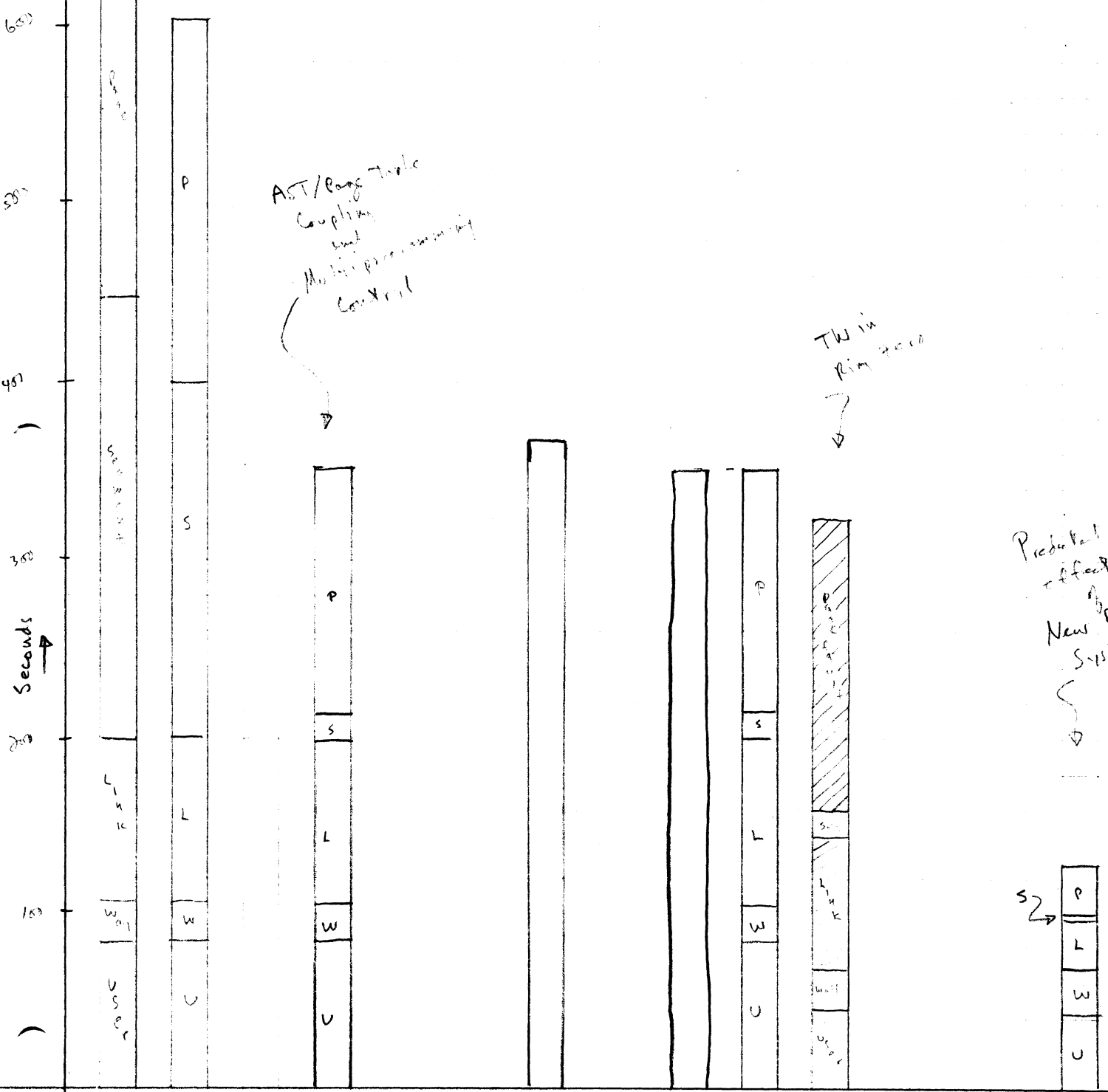
1.0    1.1    1.8    1.8    2.0    5.0

CPU time to run Certifier  
 "Multics-Test-B" with 4 processes.  
 ("Flush-nothing-echo" script)

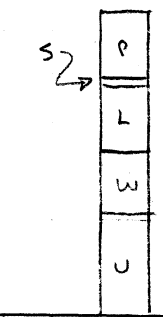
AST/Page Table  
 Coupling  
 and  
 Multi-programming  
 Control

TW in  
 Ring zero

Predicted  
 effect  
 New File  
 System



1.6 11/21/68  
 1.7 8/11/68  
~~1.8~~  
 1.9 8/10/68  
~~2.0~~  
~~2.1~~  
 1.12 6/17/69  
~~2.2~~  
 2.1 6/21/69  
 2.2 6/27/69  
 2.2B



System