INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of

March 5, 1970

TO: Multics Administrative Distribution

FROM: J. H. Saltzer

SUBJECT: PDP-8 Script Performance Comparison

All figures are for two passes through the standard "fortran debugging" script.

	Multics 5.9 18 Users 3/4/70	CTSS 17 Users 8/1/69
CPU time charged	44.18 sec	70.97 sec.
Real time required	2319 sec.	2454 sec.
CPU time per interaction	1.07 sec.	.670 sec.
Average response time	7.3 sec.	9.5 sec.

At $420/hr for Multics and $300/hr for CTSS. The Multics CPU charge comes out about 87% of the CTSS charge. Note that the script is, on balance, a smaller than average core user on Multics, and therefore is unfavorably affected by the CPU price based on average core usage.