

UNIVERSITY OF QUEENSLAND

COMPUTER CENTRE

WEEKLY NEWSLETTER

DATE : WEEK ENDED 15 JUNE 1972
AUTHORIZATION : DIRECTOR OF THE COMPUTER CENTRE

1. OPERATIONS

1.1 PDP-10 SYSTEM

FRIDAY 9 JUNE SYSTEM PARITY ERROR, OFFLINE 1115-1127
MAINTENANCE TO CONTINUED PARITY ERRORS,
1133-1200.

TUESDAY 13 JUNE END OF DAY ACCOUNTING WHICH FAILED
PREVIOUS FRIDAY NIGHT, 0931-1000.

THURSDAY 15 JUNE TELETYPE CONTROLLER UNIT OFFLINE,
0930-0937.

SCHEDULE FOR FORTHCOMING WEEK: MAINTENANCE 0700-0900
OPERATIONS 0930-2300.

1.2 GE-225 SYSTEM

SCHEDULE FOR FORTHCOMING WEEK: MAINTENANCE 0700-0830, 2000-2130
OPERATIONS 0900-2000, 2130-2400.

2. EQUIPMENT INSTALLATION - DATA CHANNEL

ON MONDAY 5 JUNE A SECOND DATA CHANNEL WAS INSTALLED ON THE
UNIVERSITY'S COMPUTER SYSTEM.

PRIOR TO THIS, A SINGLE DATA CHANNEL WAS UTILIZED TO CONNECT THE
RD10 FIXED HEAD SWAPPING DISKS, AND THE RP02 REMOVABLE DISK PACK
DRIVES THROUGH A SINGLE CHANNEL TO THE CORE MEMORY SYSTEM.
CONSIDERABLE DATA TRAFFIC INTERFERENCE OCCURRED BETWEEN THE TWO
DISK SYSTEMS RESULTING IN LARGE PROPORTION OF LOST TIME, WHICH IS
TIME LOST WHILE THE PROCESSOR IS WAITING FOR DISK INPUT/OUTPUT TO
BE COMPLETED. THE MOST NOTICEABLE EFFECT WAS PCCR RESPONSE TIME
ON TERMINALS AND PCCR BATCH THROUGHPUT.

WITH THE INSTALLATION OF THE SECOND DATA CHANNEL, THE RD10 FIXED HEAD DISK SYSTEM WAS CONNECTED TO ONE DATA CHANNEL, AND THE RP02 DISK SYSTEM WAS CONNECTED TO THE SECOND CHANNEL. THIS WILL RESULT IN A REDUCTION OF THE DATA TRAFFIC INTERFERENCE BETWEEN THE TWO DISK SYSTEMS, AND RESULT IN BETTER PERFORMANCE. INITIAL OBSERVATIONS OF THE SYSTEM'S PERFORMANCE HAVE SHOWN THAT THIS IS THE CASE.