

WN-36  
21May71

UNIVERSITY OF QUEENSLAND  
Computer Centre

WEEKLY NEWSLETTER

Date : Week ended 20 May 1971  
Authorization : Director of the Computer Centre

1. OPERATIONS

1.1 PDP-10 System

Friday	14 May	Accounting system adjustment and update, 0935-1010. System off-line, 1100-1109, while teletype controller reloaded. System failure, 1145-1157 Investigation of disk error, Batch off-line, 1445-1508. System failure, transferred files from disk to magnetic tape, 1809-1949. System failure, 1959-2137.
Monday	17 May	Accounting system adjustment, 0940-0958. System development, 1707-1909.
Tuesday	18 May	Accounting system recovery, 0937-1105. Loaded new system files, 1140-1145.
Wednesday	19 May	Accounting system recovery, 0920-0945. System development tests, 2245-2400.
Thursday	20 May	Accounting file reconciliation, 0918-0924. System development tests 2330-2400.

Schedule for forthcoming week: Maintenance 0700-0930  
Operations 1000-2245

The machine will be required for Systems Development work for one evening this coming week. Users should check with the System Status Service as to which evening is involved.

3. PDP-10 FORTRAN COMPILER ERROR

In some cases mixed mode arithmetic expressions do not compile correctly. In particular, the following expression,

$$D=S*D/(2*I-1)$$

where D and S are double precision and I is an integer, is known not to create proper code.

It is worth noting that the U.S.A. Standard FORTRAN specifications do not permit mixed mode expressions, and while several compilers do permit them, it is neither desirable nor necessary to make use of this facility.