

UNIVERSITY OF QUEENSLAND

Computer Centre

WEEKLY NEWSLETTER

Date : Week ended 9 September 1971  
Authorization : Director of the Computer Centre

1. OPERATIONS

1.1 PDP-10 System

Friday 3 September System failure, offline 1240-1300  
Testing of new batch 1315-1743  
System failure, offline 1420-1430.

Monday 6 September System failure, offline 1304-1319  
Testing of new batch 1330-1750.

Tuesday 7 September Lister problem, offline 1245-1300  
Testing of new batch 1300-1750.

Wednesday 8 September End-of-day accounting procedures 1030-1103  
Card reader maintenance 1130-1145  
System failure, offline 1200-1215  
Testing of new batch 1400-1720  
System failure, offline 2210-2220.

Thursday 9 September New batch processing in operation  
System failure, offline 1109-1126, 1333-1510, 1630-1636  
Card reader maintenance, 1510-1844.

Schedule for forthcoming week: Maintenance 0700-0900, 2300-2400  
Operations 1000-2215

1.2 GE-225 System

Monday 6 September Line printer maintenance 0950-1050

Schedule for forthcoming week: Maintenance 0700-0900, 2000-2130  
Operations 0900-2000, 2130-2400

2. COMPUTER CLUB MEETING

The Computer Club will hold a meeting on Friday 18 September in Room B18 of the Engineering Building. The meeting will commence at 1.05 p.m.

3. PDP-10 FORTRAN

(a) When using free field input users should be careful not to use a mixture of delimiter characters between adjacent fields. Elanks or any non-standard character can be used as field delimiters, but combinations of these will result in input variables being set to zero as the input routines treat a change in delimiter character as a null field.

example:

The following program:

```

2   WRITE (6,1)
1   FORMAT (' 2 REAL & 2 INTS'//)
   READ (5,5) A,B,J,K
5   FORMAT (2F,2I)
   WRITE (6,10) A,B,J,K
10  FORMAT (' ',2F,2I)
   GO TO 2
   END

```

provides the following results:

```

2 REAL + 2 INTS
1.5Δ2.6Δ4Δ78
   1.50000000      2.60000000      4      78

2 REAL + 2 INTS
23.,5.6Δ7<tab>80
  23.00000000      5.60000000      7      80

2 REAL + 2 INTS
12.5Δ,Δ4.59ΔΔΔ3,2
  12.50000000      0.00000000      4      59

2 REAL + 2 INTS
↑C
.

```

- (b) Users should beware of specifying constants as the arguments of a call to a routine when that routine involves the exchange of the values of its arguments.

example:

Main program -

```

.
.
.
X = SOM (2.0,3.0,Z)
.
.
.

```

Function -

```

FUNCTION SOM (A,B,M)
IMPLICIT - - -
IF (A.LE.B) GO TO 10

```

C = A  
A = B  
B = C

10

.  
.  
.

The result of the call to SOM from the main program will exchange the actual values of the constants 2.0 and 3.0. And thereafter 2.0 will have a 'value' of 3 and 3.0 will have a 'value' of 2.