

UNIVERSITY OF QUEENSLAND

Computer Centre

WEEKLY NEWSLETTER

Date : Week ended 29 October, 1970
Distribution : Computer Users, Program Librarian, Technical Writer

1. OPERATIONS

1.1 GE-225 System

Normal schedule: Maintenance 0700-0900
Operations 0900-2400

Friday 23 October - Printer fault, system off-line 1815-2400
Monday 26 October - Printer fault, system off-line 0900-1340

1.2 PDP-10 System

Normal Schedule: Maintenance 0700-0930
Operations 0930-1430, 1600-1930, 2100-2330
Development 1430-1600, 1930-2100

Monday 26 October Machine fault, system unavailable 0930-1515

2. FORTRAN ERROR

This is a restatement of a problem previously reported in TM-14. In some cases, the FORTRAN compiler fails to recognize the use of a variable name both as a simple integer variable and as a function name.

In the following example, code is generated for the second use of IJK as if it were a function, and at execution time this may lead to conflicting results.

No diagnostic message is produced.

```
IJK = 92
.
.
.
L = J + IJK (2,3)
.
.
.
```

3. FORTRAN ERROR

It is a feature of most FORTRAN systems that, if a specified output field width is too small, leading digits will be suppressed to reduce the field width to that specified. In most cases this 'feature' will cause misleading results, in fact some systems in this case produce an error message. However, it is purposely used occasionally, to truncate significant digits.

The PDP-10 FORTRAN execution system has an error which on integer output causes a gradual build up in the internal push-down list if this feature is invoked.

If this build up is too great, then the run will be terminated because of overflow of the push-down list, with the error message:
PDL OV AT USER 400....

4. SCHEDULE FOR WEEK 2 NOVEMBER - 6 NOVEMBER

On Tuesday 3 November BATCH processing will run continuously from 9 am. to 5 pm. with some special Computer Centre runs being done on the hour, every hour. This may result in some small increase in turn-around time for that day.