Errata in *Programming in occam 2*

Geraint Jones Michael Goldsmith

9 February 1990

This document lists the known errors in the Prentice Hall edition of *Programming in occam 2* (ISBN 0 13 730334 3) dated 1988; some of them are already corrected in the second printing.

Page 23

In the declaration of `NUMBER`, for

```
PROTOCOL NUMBER IS
  CASE
    whole; INT64
    floating; REAL64
    complex; REAL64; REAL64
:
```

read

```
PROTOCOL NUMBER
  CASE
    whole; INT64
    floating; REAL64
    complex; REAL64; REAL64
:
```

(Reported by Damian Cugley, pdc@uk.ac.oxford.prg, 9th October 1989).

Page 77

In the definition of `pack.bits.into.blocks` in Process 8.20, for the single occurrence of `bits.in.a.block` read `bytes.in.a.block`. (Reported by Dieter Weiss, Weiss@EARN.DGIHRZ01, 20th April 1989)

Page 80

For

> The aim is to produce a program which behaves as nearly as possible like
>
> ```
> CHAN OF MESSAGE left, right :
> PAR i = 0 FOR width
>   PAR
>     producer(left)
>     buffer(left, right)
>     consumer(right)
> ```
>
> where *buffer* is a buffer.

read

> The aim is to produce a program which behaves as nearly as possible like
>
> ```
> PAR i = 0 FOR width
>   CHAN OF MESSAGE left, right :
>   PAR
>     producer(left)
>     buffer(left, right)
>     consumer(right)
> ```
>
> where *buffer* is a buffer.

(Spotted by Michael Goldsmith, December 1988)

Page 86

Just below the third display, for

> If both of the alternatives in the system – one in the procedure *multiplex*, the other in *safe.multiplex* – are recoded in this way

read

> If both of the alternatives in the system – one in the procedure *multiplex*, the other in *safe.demultiplex* – are recoded in this way

(Reported by Dieter Weiss, Weiss@EARN.DGIHRZ01, 20th April 1989)

Page 189

On the second line from the bottom of the page, *end.of.block.stream* should be *end.of.block.source*. There is no such channel as *end.of.block.source* in the code. (Reported by Dieter Weiss, Weiss@EARN.DGIHRZ01, 24th January 1990)

Page 204

On the second line, the reference to the *occam 2 Reference Manual* should cite reference number one, not number four. (Reported by Dieter Weiss, Weiss@EARN.DGIHRZ01, 24th January 1990)

Page 224

In the first display on this page, for

$$\mathit{parallel} \;=\; \begin{array}{l}\boxed{\texttt{PAR}}\\ \quad\{\mathit{processor}\}\end{array} \;\Bigg|\; \begin{array}{c}\boxed{\texttt{PAR}}\,\mathit{replicator}\\ \mathit{processor}\end{array} \;\Bigg|\; \mathit{placed.parallel} \;\Bigg|\; \mathit{pri.parallel}$$

replace both occurrences of *processor* by *process*, as

$$\mathit{parallel} \;=\; \begin{array}{l}\boxed{\texttt{PAR}}\\ \quad\{\mathit{process}\}\end{array} \;\Bigg|\; \begin{array}{c}\boxed{\texttt{PAR}}\,\mathit{replicator}\\ \mathit{process}\end{array} \;\Bigg|\; \mathit{placed.parallel} \;\Bigg|\; \mathit{pri.parallel}$$

(Reported by David Scott, dms@uk.ac.ed.itspna, 14th April 1989)

Page 292, again page 300

The texts of these programs would be more complete if they included, somehwere near the top of the page in each case, declarations of `BIT` and `SIGNAL`

```
PROTOCOL SIGNAL
  CASE
    signal
:

PROTOCOL BIT IS BOOL :
```

(Reported by Dieter Weiss, Weiss@EARN.DGIHRZ01, 24th January 1990)