

XEROX
BUSINESS SYSTEMS
System Development Division
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XEROX SDD ARCHIVES
I have read and understood

To: Mesa Language Working Group

Pages _____ To _____

From: Dick Sweet

Reviewer _____ Date _____

Subject: Mesa Language Working Group minutes

of Pages _____ Ref. 77SDD 395

The Language Working Group met on 23 November, 1977.

The discussion of object style monitors continued. A new type of procedure was proposed. An INTERNAL PROCEDURE is a non-entry one that is called only when the monitor lock is held. For object style monitors, each INTERNAL procedure must begin with the same *obj* parameter as must each ENTRY procedure.

WAIT, NOTIFY, and BROADCAST are allowed only from within an ENTRY or an INTERNAL procedure. Is this also true for non object style?

A new type, LOCK, will exist with only one public field, *priority*. Thus we no longer need MONITORED RECORDS, only ones with a LOCK in them. Likewise, CONDITION types have a private field, *timeout*.

The discussion of long pointers began. One question was what sort of flavors of the monitor stuff to do for various shaped pointers. There were 3 options.

1. Only LONG POINTER forms.
2. Short flavors for some or all.
3. Routines could take either. If they are done with a minimal stack, the interpreter could use the stack size to determine whether the arguments are long or short.