The Design of the
Venus Operating System

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The Venus Operating System is an experimental multiprogramming system
which supports five or six concurrent users on a small computer. The
system was produced to test the effect of machine architecture on
complexity of software. The system is defined by a combination of micro-
programs and software. The microprogram defines a machine with some
unusual architectural features; the software exploits these features to
define the operating system as simply as possible. In this paper the
development of the system is described, with particular emphasis on the
principles which guided the design.

(Pages 12 through 16 omitted)